301 Tennessee Street Warehouse Project
Initial Study and Mitigated Negative Declaration

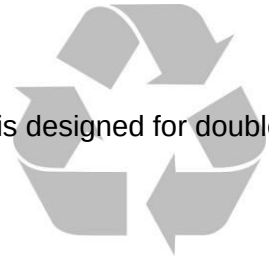
Lead Agency:

City of Redlands
35 Cajon St., Ste. 20/P.O. Box 3005
Redlands, CA 92373
Office 909.798.7555 ext. 7344

Prepared by:

MIG, Inc.
1650 Spruce Street, Suite 106
Riverside, California 92507

Public Review Draft
May 1, 2023



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1 Introduction

The City of Redlands (Lead Agency) received an application from Prologis Inc. (applicant) for the redevelopment of an existing industrial warehouse site with a 197,397-square foot Class A light industrial building which includes 8,000-square foot of office space on approximately 10.98 acres of land in the City of Redlands, California. The approval of the application constitutes a *project* that is subject to review under the California Environmental Quality Act (CEQA) 1970 (Public Resources Code §§ 21000, *et seq.*), and the CEQA Guidelines (14 California Code of Regulations §§ 15000, *et. seq*.).

This Initial Study was prepared to assess the short-term, long-term, and cumulative environmental impacts resulting from the proposed project. This report was prepared to comply with CEQA Guidelines § 15063, which sets forth the required contents of an Initial Study. These include:

- A description of the project, including the location of the project (See Section 2);
- Identification of the environmental setting (See Section 2.10);
- Identification of environmental effects by the use of a checklist, matrix, or other methods, provided that entries on the checklist or other form are briefly explained to indicate that there is some evidence to support the entries (See Section 4);
- Discussion of ways to mitigate significant effects identified, if any (See Section 4);
- Examination of whether the project is compatible with existing zoning, plans, and other applicable land use controls (See Section 4.11); and
- The name(s) of the person(s) who prepared or participated in the preparation of the Initial Study (See Section 5).

1.1 – Purpose of CEQA

CEQA § 21000 of the California Public Resources Code provides as follows:

The Legislature finds and declares as follows:

a) The maintenance of a quality environment for the people of this state now and in the future, is a matter of statewide concern.
b) It is necessary to provide a high-quality environment that at all times is healthful and pleasing to the senses and intellect of man.
c) There is a need to understand the relationship between the maintenance of high-quality ecological systems and the general welfare of the people of the state, including their enjoyment of the natural resources of the state.
d) The capacity of the environment is limited, and it is the intent of the Legislature that the government of the state take immediate steps to identify any critical thresholds for the health and safety of the people of the state and take all coordinated actions necessary to prevent such thresholds being reached.
e) Every citizen has a responsibility to contribute to the preservation and enhancement of the environment.
f) The interrelationship of policies and practices in the management of natural resources and waste disposal requires systematic and concerted efforts by public and private interests to enhance environmental quality and to control environmental pollution.
g) It is the intent of the Legislature that all agencies of the state government which regulate activities of private individuals, corporations, and public agencies which are found to affect the quality of the environment, shall regulate such activities so that major consideration is given to preventing environmental damage while providing a decent home and satisfying living environment for every Californian.

The Legislature further finds and declares that it is the policy of the state to:

h) Develop and maintain a high-quality environment now and in the future, and take all action necessary to protect, rehabilitate, and enhance the environmental quality of the state.
i) Take all action necessary to provide the people of this state with clean air and water, enjoyment of aesthetic, natural, scenic, and historic environmental qualities, and freedom from excessive noise.
j) Prevent the elimination of fish or wildlife species due to man's activities, ensure that fish and wildlife populations do not drop below self-perpetuating levels, and preserve for future generations representations of all plant and animal communities and examples of the major periods of California history.
k) Ensure that the long-term protection of the environment, consistent with the provision of a decent home and suitable living environment for every Californian, shall be the guiding criterion in public decisions.
l) Create and maintain conditions under which man and nature can exist in productive harmony to fulfill the social and economic requirements of present and future generations.
m) Require governmental agencies at all levels to develop standards and procedures necessary to protect environmental quality.
n) Require governmental agencies at all levels to consider qualitative factors as well as economic and technical factors and long-term benefits and costs, in addition to short-term benefits and costs, and to consider alternatives to proposed actions affecting the environment.

A concise statement of legislative policy, with respect to public agency consideration of projects for some form of approval, is found in CEQA § 21002, quoted below:

> The Legislature finds and declares that it is the policy of the state that public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects of such projects, and that the procedures required by this division are intended to assist public agencies in systematically identifying both the significant effects of proposed projects and the feasible alternatives or feasible mitigation measures which will avoid or substantially lessen such significant effects. The Legislature further finds and declares that in the event that specific economic, social, or other conditions make infeasible such project alternatives or such mitigation measures, individual projects may be approved in spite of one or more significant effects thereof.

1.2 – Public Comments

Comments from all agencies and individuals are invited regarding the information contained in this Initial Study. Such comments should explain any perceived deficiencies in the assessment of impacts in the Initial Study. To request an appointment to review these materials, please contact:

Sean Reilly, Principal Planner
City of Redlands, Planning Department
35 Cajon Street, Suite 15-A
Redlands, California 92373
909-798-7555

All written comments received during the 30-day public review period for the Initial Study/Mitigated Negative Declaration will be considered by the City of Redlands prior to adoption.

2 Project Description

2.1 – Project Title

301 Tennessee Street Warehouse Project

2.2 – Lead Agency Name and Address

City of Redlands
Planning Department
35 Cajon Street, Suite 15-A
Redlands, California 92373
909-798-7555

2.3 – Contact Person and Phone Number

Sean Reilly, Principal Planner
909-798-7555, ext. 7344

2.4 – Project Location

The project site is made up of two parcels located on the northwest corner of State Street and Tennessee Street in the City of Redlands, California. (See Exhibit 1 Project Location Map). The surrounding uses include commercial/industrial uses north of the project site, and light industrial uses to the east, west and south of the site.

- Latitude 34° 03’ 27” North, Longitude 117° 12’ 02” West
- APNs #0292-192-11-0000 and 0292-192-14-0000

2.5 – Project Sponsor’s Name and Address

Prologis Inc.
3546 Concours St. Suite 100
Ontario, CA 91764

2.6 – General Plan Land Use Designation

Light Industrial

2.7 – Zoning District

Industrial District (I-P)

2.8 – Project Description

The project includes demolition of an existing manufacturing warehouse and a single-family house, and the construction of a 197,397 square foot light industrial building and associated parking and landscaping improvements. The approximately 10.98 acre site encompasses two parcels, located at the northwest corner of State Street and Tennessee Street in the City of Redlands, California. (APNs

#0292-192-11-0000 and 0292-192-14-0000) (see Exhibits 1-4). The proposed light industrial building would be 189,397 square feet with 8,000 square feet of first and second floor office space totaling 197,397 square feet. Based on the preliminary grading plans, the project would require approximately 23,154 cubic yards of soil import.

Architecture & Fencing

Eight-foot-high decorative walls are proposed around the perimeter of the truck yard area to screen operations from the outside of the project site. The truck entrances located on Kansas Street and Tennessee street would be fenced with eight-foot-high wrought iron fencing.

Landscaping

The proposed project includes approximately 84,845 square feet of ornamental landscaping that would cover 18% of the site. Landscaping would be visible from Kansas street along the west side of the site, Tennessee Street along the east, State Street on the south, and the Orange Blossom Trail that runs along the north face of the project site. The proposed landscaping would include 24-inch and 36-inch box trees, various shrubs, and ground covers to screen the proposed building, and parking and loading areas from off-site viewpoints.

Access and On-Site Circulation

Passenger vehicle access to the project site would be provided via a 30-foot-wide driveway on the east side of the site on Tennessee Street. Primary truck access to the project site would be provided via a 40-foot-wide driveway on the west side of the site along Kansas Street and via one 40-foot-wide driveway on the east side of the site on Tennessee Street. Secondary truck access would be provided via one 40-foot-wide driveway on the south side of the site on State Street. Emergency vehicle access would be provided through the parking lot and around the building with a 30-foot fire lane.

Drainage and Wet Utilities

The proposed project would install new onsite water and sewer lines that would connect to the existing infrastructure in the surrounding streets. Drainage from the proposed project would surface flow through the site and use catch basins and landscape drains to collect for treatment. The subsurface storm drain would be used to convey flows into a proposed underground chamber infiltration system. The underground chambers would be located in the northwesterly landscape area and would fully infiltrate the water volume to the surrounding water system.

Building Operations

The project site is within the light industrial (LI) general plan land use designation and industrial district zone (I-P). The light industrial general plan land use designation allows for manufacturing, distribution, research, and development (R&D) industries, and ancillary commercial uses. The Industrial District (I-P) zoning allows for the development of all industrial uses which is conducive to employees and citizens of the community. Typical operations of the project site may include employees and customers travelling to and from the facility, delivery of materials to the site, and truck loading and unloading. Approximately 10% of warehouse operations would involve cold storage. The project is anticipated to operate 24-hours a day, 7 days per week.

Construction Schedule

Construction activities for the project include demolition, site preparation, grading, building construction, paving, and architectural coatings. Demolition of the existing structures would take three (3) months to complete. Construction of the new building will take nine (9) months. Paving and landscaping would take one (1) month. Additionally, all offsite improvements would take one (1) month. The project would require approximately 24,477 cubic yards of soil import.

2.9 – Surrounding Land Uses

Surrounding land uses are summarized in Table 1.

Table 1
Surrounding Land Uses

Direction	Zoning Designation	Zoning District	Existing Land Use
Project Site	Light Industrial	I-P (Industrial District)	Former La-Z-Boy Facility Single Family Home
North	Office	I-P (Industrial District) M-1(Light Industrial District) C-M (Commercial Industrial) FP-1 (Flood Plan District)	Commercial Shopping Center
South	Light Industrial	I-P (Industrial District)	Industrial Warehouse (SCE Service Center)
East	Light Industrial	A-P (Administrative and Professional Office District) M-P (Planned Industrial District)	Undeveloped land/graded land used for parking
West	Office	EV/IC – (Commercial Industrial)	Industrial Warehouse

2.10 – Environmental Setting

The project is located on an irregularly shaped property approximately 10.98 acres in size on two parcels in a developed area of the City of Redlands, California. It is currently developed with an existing 193,469 square foot former La-Z-Boy Facility manufacturing warehouse and a non-conforming single-family house that is not occupied. The facility was occupied by La-Z-Boy until October 2019, and was subsequently purchased by Esri, a geographic information systems supplier in January 2020. The property was listed for purchase and bought again on April 5th, 2022. *The existing tenant is a 3PO (3rd partly logistics operator) for clothing distribution to major retailers such as Macy's, Target, Amazon, etc. Their hours of operation are 7am to 5pm Monday through Friday.* The property is well maintained with medium-sized trees distributed throughout the property, hedges, and grass with minimal weeds. The project site is flat, with an approximate elevation of 1,358 feet above mean sea level (AMSL). Regional access to the project site is provided by the Interstate 10 Freeway (I-10) located approximately 0.6 miles north.

2.11 – Required Approvals

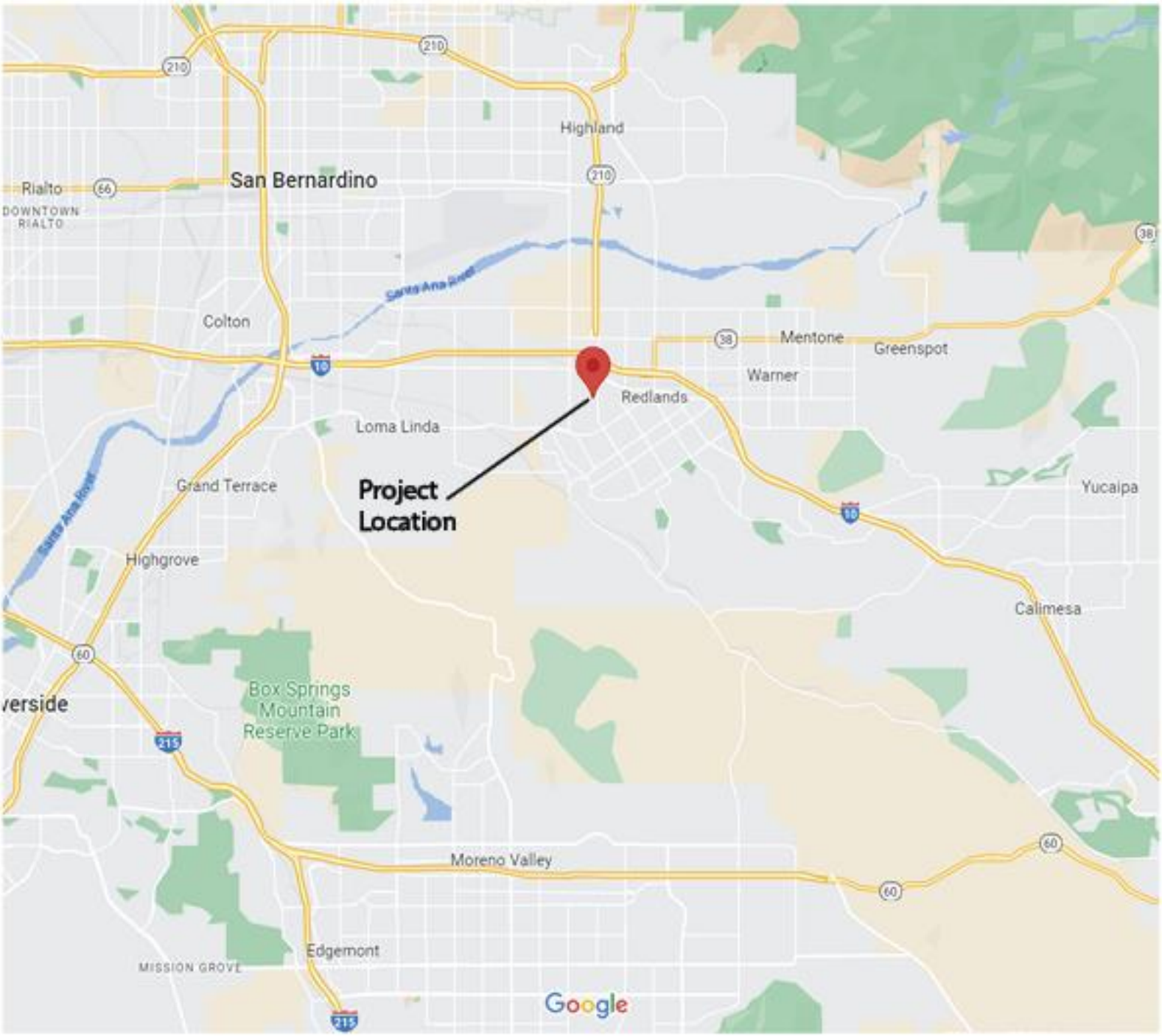
Various permits, approvals, and actions by the City of Redlands and various public agencies may be required to execute and implement the proposed project. The permits from the lead agency that are necessary include:

- Planning Commission Review and Approval No. 948
- Conditional Use Permit No. 1181
- Demolition Permit No. 371
- Grading Permit No. 373
- Parcel Merger No. 6
- Compliance with the requirements of CEQA

- Building Permit

2.12 – Other Public Agency Whose Approval is Required

- N/A



Source: Google Maps

Not to Scale

Exhibit 1 Regional Context Map

Tennessee Street Warehouse Project
Redlands, California

http://www.migcom.com • 951-787-9222

MIG

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Exhibit 2 Project Vicinity Map

Tennessee Street Warehouse Project

Redlands, California

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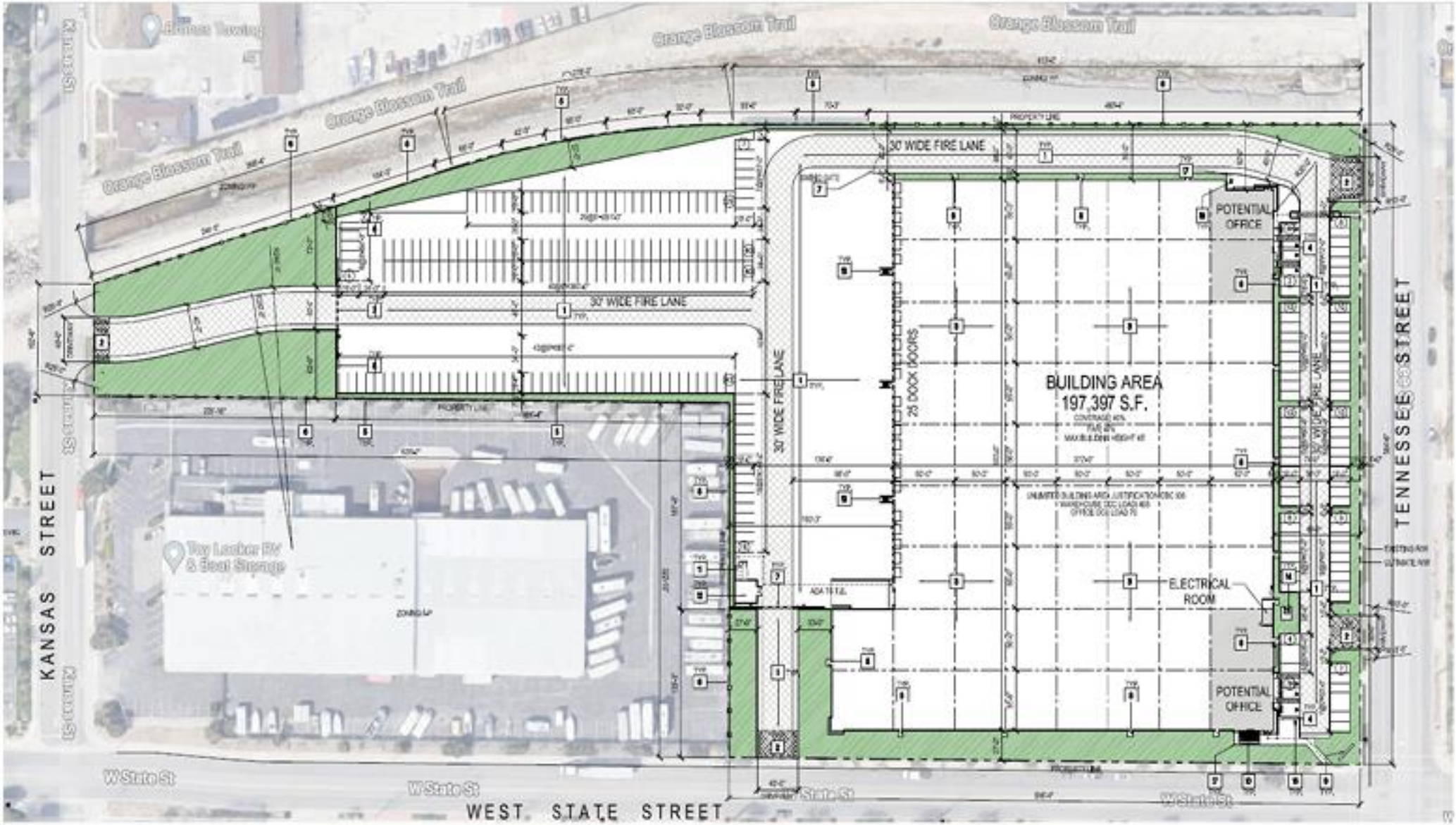

Exhibit 3 Site Plan

Tennessee Street Warehouse Project
Redlands, California

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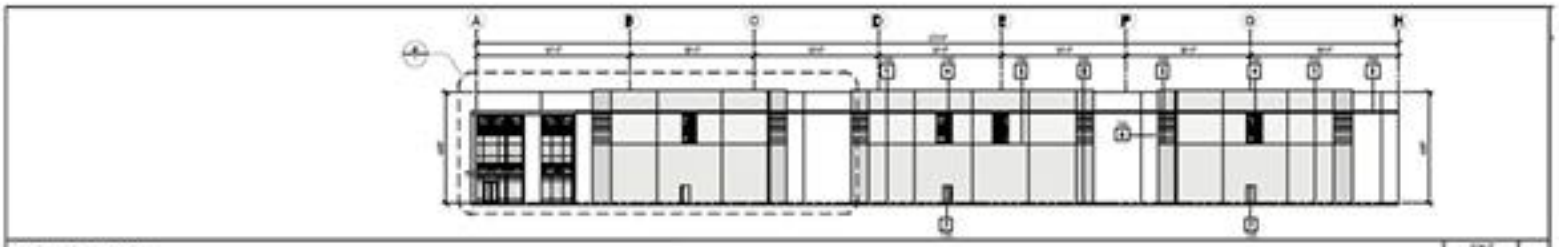
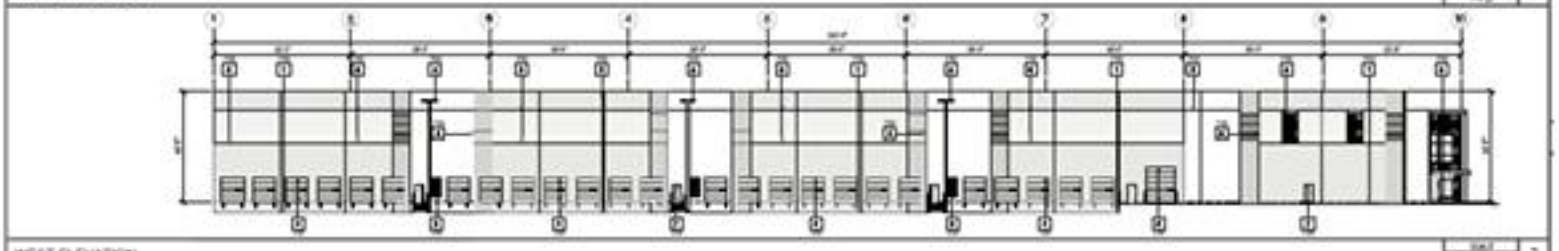
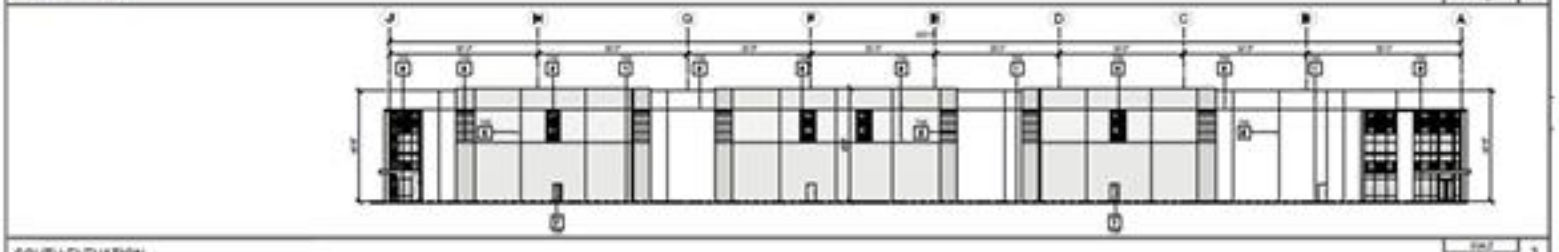


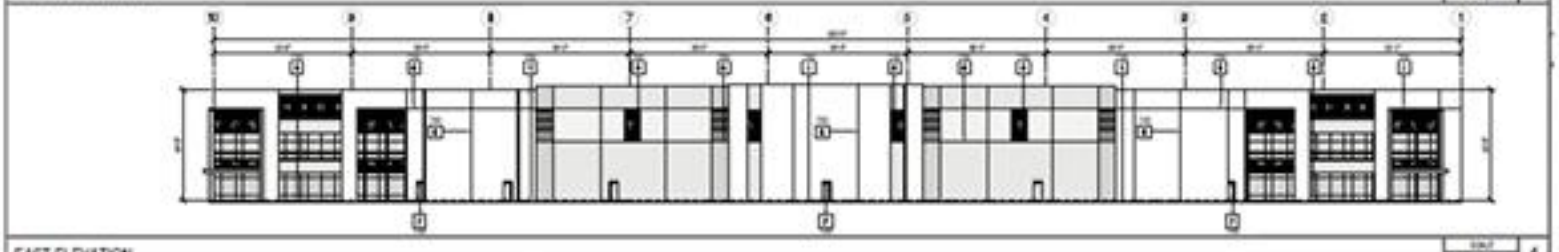
NORTH ELEVATION 1



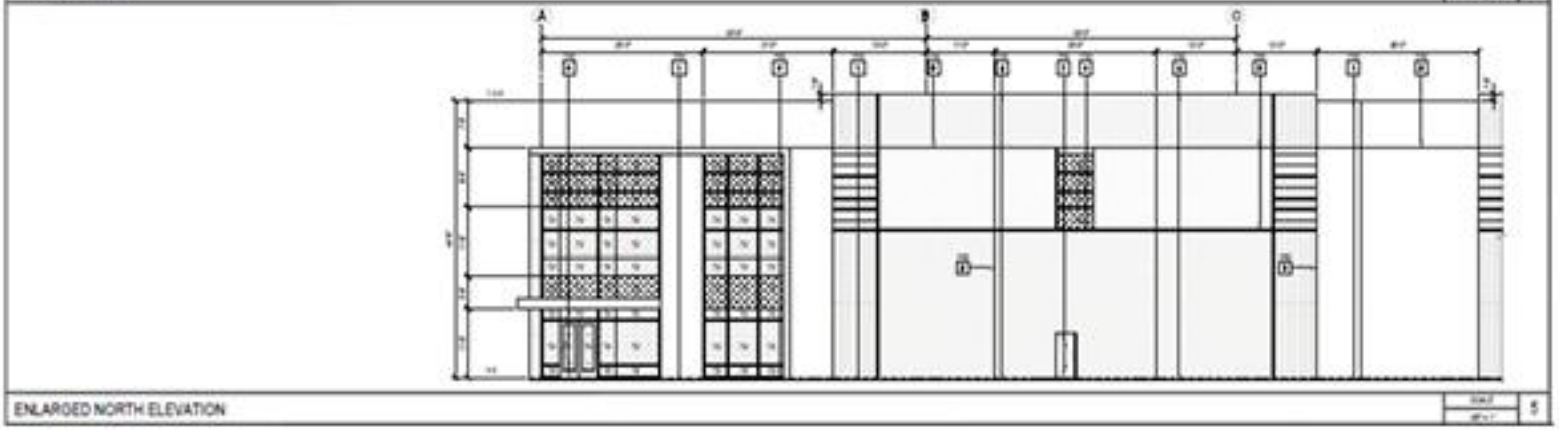
WEST ELEVATION 2



SOUTH ELEVATION 3



EAST ELEVATION 4



ENLARGED NORTH ELEVATION 5

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3 Determination

3.1 – Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a 'Potentially Significant Impact' as indicated by the checklist on the following pages.

☐	Aesthetics	☐	Agriculture Resources	☑	Air Quality
☑	Biological Resources	☑	Cultural Resources	☐	Energy
☑	Geology /Soils	☐	Greenhouse Gas Emissions	☑	Hazards & Hazardous Materials
☐	Hydrology / Water Quality	☐	Land Use / Planning	☐	Mineral Resources
☐	Noise	☐	Population / Housing	☐	Public Services
☐	Recreation	☐	Transportation/Traffic	☑	Tribal Cultural Resources
☐	Utilities / Service Systems	☐	Wildfire	☐	Mandatory Findings of Significance

3.2 – Determination

☐	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
☑	I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
☐	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
☐	I find that the proposed project MAY have a 'potentially significant impact' or 'potentially significant unless mitigated' impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
☐	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Name: Sean Reilly, Principal Planner Date

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4.1 – Aesthetics

Except as provided in Public Resources Code Section 21099, would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☑	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within view from a state scenic highway?	☐	☐	☐	☑
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public view are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☑	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☑	☐

a) Less than Significant Impact. Scenic vistas can generally be defined as natural landscapes that form views of unique flora, geologic, or other natural features that are generally free from urban intrusions. Such resources can be impacted when a structure is built that blocks the view of the vista, or if a development is built on the vista itself. Typical scenic vistas include views of mountains and hills, large, uninterrupted open spaces, and bodies of water. Scenic vistas generally play a large role in the way a community defines itself and effects development patterns as projects are designed to take advantage of viewsheds.

Redland's visual character is tied to its surrounding open space areas, and as such is incorporated into the City's General Plan. The City has overtime acquired open space land around Redlands and incorporated it into a concept called the "Emerald Necklace"; a series of open space and park areas surrounding the City connected by scenic trails and roads. Areas within the City's Planning Area include 254 acres of the San Timoteo Canyon south of the City called the "San Timoteo Nature Sanctuary". Also, to the south, the City owns 338 acres of Live Oak Canyon, 245 acres of which is specifically set aside for conservation. The 4,000 acres of the Santa Ana River Wash makes up the northern boundary of the City, and is owned by multiple stakeholders including Federal, State, and local governments,

utilities, and private groups. The Crafton Hills Open Space makes up part of the eastern portion of the City's Planning Area, and with a general elevation above 2,400 feet, the area is valuable to the City as natural habit and scenic resource. The General Plan ensures the preservation of Redlands' open space corridors and limits development on and around those areas to preserve its visual character and limit encroachment. The General Plan does not designate any scenic vistas within the City. The project site is located in a developed area of the city and is zoned for light industrial uses. Surrounding zoning uses include industrial, commercial, and high-density residential uses. The project is located in an urbanized area, and fits the zoning designated by the City. Furthermore, the project would follow the City's Zoning and Building Codes and will not exceed the City's 50-foot height limit on light industrial zoning, and as such will fit the character of the area as regulated by the City. The proposed project would not constitute any significant loss of visibility to Redlands' scenic vistas as the area's developed industrial setting limits existing scenic vistas. Impacts to the visibility of scenic vistas in Redlands would be less than significant.

b) No Impact. There are no State Scenic Highways on or near the project site, and the site is not visible to a designated state scenic highway as identified on the California Scenic Highway Mapping System. The nearest officially designated scenic highways are California State Route 243 just outside of Banning, and California State Route 38 near Big Bear Lake; the former starting approximately 24 miles southeast of the project site. As of this document being written, State Route 38 in Redlands has not been officially designated but is eligible. The City Council has designated a number of corridors within the city as scenic highways, drives, and historic streets. Designated streets and those under consideration for designation are listed in the "Distinctive City" Element of the City's General Plan.[1] The project site is not located on or near any such corridors and would not impact the quality of those streets during construction or during long-term operations. No impacts would occur.

c) Less than Significant Impact. The proposed industrial facility building has been designed according to City design guidelines, including requirements for architectural quality, landscaping, and screening, and would be consistent in character and quality with the surrounding industrial and commercial developments. The project site would undergo visual changes consistent with an ongoing construction project and would temporarily change the visual character of the site and surrounding area. However, the project would not substantially degrade the existing visual character and qualities of the site and its surroundings and would have a less than significant impact.

d) Less than Significant Impact. Excessive or inappropriately directed lighting can adversely impact night-time views by reducing the ability to see the night sky and stars. Glare can be caused by unshielded or misdirected lighting sources, or reflective surfaces. Impacts associated with glare range from a simple nuisance to potentially dangerous. Sources of daytime glare are typically concentrated in commercial areas and associated parking areas that contain reflective materials such as hi-efficiency window glass, highly polished surfaces, and expanses of pavement.

Development of parking improvements, related lighting, and associated glare prevention would be conducted in accordance with design standards in the City of Redlands Code of Ordinances; Chapter 18.112.260: Dust, Heat, and Glare Restrictions.[2] Glare is not expected to result from the increase in pavement or from the warehouse building. Adhering to Redlands Code of Ordinances would ensure any impacts related to excessive or inappropriately directed lighting would be less than significant.

4.2 – Agriculture and Forest Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☑
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☑
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104 (g))?	☐	☐	☐	☑
d) Result in loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☑
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☑

a) No Impact. The California Important Farmland Finder prepared by the California Department of Conservation does not identify the project site as being located on prime farmland, unique farmland, or farmland of Statewide Importance.[3] The City of Redlands General Plan does identify portions of the north and eastern city for Agricultural and Open Space uses. The project site is located away from any

land zoned for agricultural uses, and there would be no conversion of farmlands to non-agricultural uses, and as a result the project would have no impact.

b) No Impact. The project site is not located on land that is used for or conflicts with nearby agriculturally zoned land. The project site is currently zoned Industrial District (I-P) which does not allow for agricultural uses.[4] The parcels comprising the project site are not involved in an active Williamson Act contract. There would be no conflict with existing zoning for agricultural use or a Williamson Act contract and therefore there would be no impact.

c) No Impact. Public Resources Code Section 12220(g) identifies forest land as *land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits*. The project site and surrounding properties are not currently being managed or used for forest land as identified in Public Resources Code Section 12220(g). The project site is zoned Light Industrial for various industrial uses that include warehousing, office space, storage, and manufacturing. As such, development of the project would have no impact on any timberland or forestland zoning.

d) No Impact. As indicated in 4.2 c), the area is not designated as forest land; thus, there would be no loss of forest land or conversion of forest land to non-forest use as a result of the project. No impacts would occur.

e) No Impact. The project site is currently occupied by a warehouse facility and (1) one single family home and is zoned for light industrial uses. The surrounding zoning designations include industrial zoning to the south and west, industrial and commercial zoning to the north, administrative zoning to the east, and public/institutional zoning to the southwest. None of the surrounding sites contain existing agricultural or forest uses. The development of this proposed project would not change the existing environment in a manner that would result in the conversion of forest land to non-forest use. No impact would occur.

4.3 – Air Quality

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☑	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☑	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☑	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☑	☐

An *Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report* was prepared for the proposed project by LSA, dated January 2023 (See Appendix A). The report estimates the potential air quality emissions for the proposed project and evaluates project emissions against applicable South Coast Air Quality Management District (SCAQMD)-recommended California Environmental Quality Act (CEQA) significance thresholds for construction and operation.

a) Less than Significant Impact. A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The SCAQMD Air Quality Management Plan (AQMP) is based on regional growth projections developed by Southern California Association of Governments (SCAG). The proposed project would include 197,397 square feet of warehouse use. The proposed project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 square feet of floor area. Thus, the proposed project would not be defined as a regionally significant project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in Chapter 12 of the SCAQMD CEQA Air Quality Handbook, consistency with the AQMP is affirmed if the project:

1. would not increase the frequency or severity of an air quality standards violation or cause a new violation
2. is consistent with the growth assumptions in the AQMP.

Consistency review is presented as follows:

Referring to Consistency Criterion 1; the project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the project would not result in an increase in the frequency or severity of an air quality standards violation or cause a new air quality standard violation.

Referring to Consistency Criterion 2; the CEQA Air Quality Handbook indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant. In addition, the proposed project would not require a change to the General Plan land use designation or the current zoning and would be consistent with the City's General Plan and Zoning Ordinance. Therefore, the proposed project would be consistent with the growth assumptions set forth by SCAG and the AQMP.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP, and impacts would be less than significant.

b) Less than Significant Impact. The Basin is designated as non-attainment for Ozone (O_3) and Particulate Matter less than 2.5 microns ($PM_{2.5}$) for federal standards and non-attainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

<u>Construction Emissions</u>
During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by demolition, grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include carbon monoxide (CO), nitrogen oxides (NO_x), sulfur oxides (SO_x), volatile organic compounds (VOCs), directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and toxic air contaminants (TACs) such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, site preparation, building, paving, and architectural coating activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table 2 lists the tentative project construction schedule beginning in June 2023 and ending in May 2024. Table 3 lists the potential construction equipment to be used during project construction under each phase of construction. Other precise details of construction activities are unknown at this time; therefore, default settings (e.g., construction equipment) from CalEEMod were assumed. Table 4 identifies the total annual emissions associated with construction activities. CalEEMod output sheets are included in Appendix A.

Table 2
Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Demolition	6/5/2023	8/31/2023	5	64
2	Site Preparation	9/1/2023	9/21/2023	5	15
3	Grading	9/22/2023	10/19/2023	5	20
4	Building Construction	10/20/2023	5/3/2024	5	141
5	Architectural Coating	2/26/2024	5/31/2024	5	70
6	Paving	5/6/2024	5/24/2024	5	15

Source: Compiled by LSA (November 2022).
[1] Overlap between building construction and architectural coating phases.

Table 3
Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/ Industrial Saws	1	8	81	0.73
	Excavators	3	8	158	0.38
	Rubber Tired Dozers	2	8	247	0.40
Site Preparation	Rubber Tired Dozers	3	8	247	0.40
	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	2	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	247	0.40
	Scrapers	2	8	367	0.48
	Tractors/Loaders/Backhoes	2	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
	Forklifts	3	8	89	0.20
	Generator Sets	1	8	84	0.74
	Tractors/Loaders/Backhoes	3	7	97	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
	Paving Equipment	2	8	132	0.36
	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Source: Compiled by LSA using CalEEMod defaults (November 2022).
CalEEMod = California Emissions Estimator Model

Table 4
Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs./day)					
	VOC	NO_X	CO	SO_X	PM_{10}	PM2.5
Demolition	1.4	34.3	25.7	<0.1	2.7	1.2
Site Preparation	1.3	33.8	23.6	<0.1	10.0	5.5
Grading	2.3	69.0	42.6	0.2	8.6	4.0
Building Construction	1.8	26.3	25.0	0.1	3.2	1.5
Architectural Coating	26.8	2.4	3.0	<0.1	0.5	0.2
Paving	1.4	20.1	17.8	<0.1	0.8	0.7
Maximum (lbs./day)	**28.6**	**69.0**	**42.6**	**0.2**	**10.0**	**5.5**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
Note: Maximum emissions of VOC occurred during the overlapping building construction and architectural coating phases.
CO = carbon monoxide lbs./day = pounds per day
SCAQMD = South Coast Air Quality Management District SOX = sulfur oxides PM10 = particulate matter less than 10 microns in size NOX = nitrogen oxides
PM2.5 = particulate matter less than 2.5 microns in size VOC = volatile organic compounds

As shown in Table 4, construction emissions associated with the project would not exceed the SCAQMD thresholds for VOC, NO_x, CO, SO_X, $PM_{2.5,}$ or PM_{10} emissions. In addition to the construction period thresholds of significance, the project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best-available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Even though the project's construction would not exceed any of the emissions thresholds as noted in Table 4, compliance with Rule 403 dust suppression techniques can further reduce the fugitive dust generation (and thus, the PM_{10} component). With compliance with Rule 403, construction of the proposed project would not result in emissions that would cause a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with construction-related air quality, and as such, impacts would be less than significant.

Operational Emissions

Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle and truck trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project. PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement, and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of PM emissions compared with diesel-powered vehicles. Energy source emissions result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Major sources of energy demand for the proposed project could include building mechanical systems, such as heating and air conditioning. Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings, consumer products, and the use of landscape maintenance equipment. Long-term operation emissions associated with the proposed project were calculated using CalEEMod. Model results are shown in Table 5 below. CalEEMod output sheets are included in Appendix A.

Table 5
Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**PM2.5**
Existing Uses Operational Emissions						
Area Sources	4.6	<0.1	0.6	<0.1	0.1	0.1
Energy Sources	<0.1	0.1	0.1	<0.1	<0.1	<0.1
Mobile Sources	3.9	20.6	40.7	0.1	8.9	2.5
Total Project Emissions	**8.5**	**20.7**	**41.4**	**0.1**	**9.0**	**2.6**
Proposed Project Operational Emissions						
Area Sources	4.5	<0.1	<0.1	0.0	<0.1	<0.1
Energy Sources	<0.1	0.4	0.3	<0.1	<0.1	<0.1
Mobile Sources – Vehicles/Light Duty Trucks	1.5	4.8	21.0	0.1	7.3	2.0
Mobile Sources – Heavy Duty Trucks	0.6	34.0	8.1	0.2	6.0	1.9
Total Project Emissions	**6.6**	**39.2**	**29.4**	**0.3**	**13.3**	**3.9**
Net Total Emissions	**-1.9**	**-18.5**	**-12.0**	**0.2**	**4.3**	**1.3**
SCAQMD Thresholds	55.0	55.0	550.0	150.0	150.0	55.0
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
Note: Maximum emissions of VOC occurred during the overlapping building construction and architectural coating phases.
CO = carbon monoxide
lbs/day = pounds per day
SCAQMD = South Coast Air Quality Management District
SOX = sulfur oxides
PM10 = particulate matter less than 10 microns in size
NOX = nitrogen oxides
PM2.5 = particulate matter less than 2.5 microns in size
VOC = volatile organic compounds

The results shown in Table 5 indicate the project would not exceed the significance criteria for VOC, NO_X, CO, SO_X, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed project would not have a significant effect on regional air quality. Therefore, operation of the project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard. Impacts would be less than significant.

c) Less than Significant Impact with Mitigation Incorporated. Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptor to the project site is Redlands Adventist Academy Kindergarten and Kids Care, located approximately 275 feet southeast of the project site's southern boundary opposite West State Street. Other sensitive receptors include the Redlands Apartments, located approximately 900 feet southeast from the project site southern boundary.

The following section describes the potential impacts on sensitive receptors from construction and operation of the proposed project. Health risk impacts associated with project construction and operation are evaluated separately to correctly estimate the risk for each type of receptor (i.e., sensitive vs. worker locations, since sensitive receptors start at the 3rd trimester and workers start at age 16.) The risk is calculated starting at the 3rd trimester going to 30.25 years, which is broken down into three bins: 3rd trimester to under 2 years; 2 years to under 16 years; and 16 years to 30 years. This is consistent with OEHHA's standard method of calculating a 30-year risk (i.e., the sum of all three bins). The Health Risk Assessment (HRA) analysis and results are presented below; data outputs are included in Appendix A.

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table 6, below, identifies the results of the analysis assuming the use of Tier 2 construction equipment, as proposed by the project, at the maximally exposed individual (MEI), which is the nearest sensitive receptor. Model snapshots of the sources are shown in Appendix A.

Table 6
Unmitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	3.31	0.162	0.000
Sensitive Receptor Risk	13.92	0.011	0.000
Day Care Receptor Risk	14.03	0.015	0.000
SCAQMD Significance Threshold	**10.0 in One Million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: LSA (January, 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table 6, the maximum cancer risk for the day care receptor MEI would be 14.03 in one million and the sensitive receptor MEI would be 13.92 in one million, which would both exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 3.31 in one million, which would not exceed the threshold. The total chronic hazard index would be 0.162 for the worker receptor MEI, 0.015 for the day care receptor, and 0.011 for the sensitive receptor MEI, which would all be below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As indicated above, the cancer risk of 14.03 in one million at the day care receptor and 13.92 in one million at the sensitive receptor would exceed SCAQMD thresholds. Therefore, implementation of **Mitigation Measure AIR- 1** would be required to reduce pollutant concentrations during project construction. Table 7 identifies the results of the analysis with implementation of **Mitigation Measure AIR-1**.

Table 7
Mitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.59	0.030	0.000
Sensitive Receptor Risk	2.49	0.002	0.000
Day Care Receptor Risk	2.55	0.003	0.000
SCAQMD Significance Threshold	10.0 in One Million	1.0	1.0
Significant?	No	No	No

Source: LSA (January, 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table 7, the mitigated cancer risk at the day care receptor MEI would be 2.55 in one million and 2.49 in one million at the sensitive receptor MEI, which would not exceed the SCAQMD cancer risk of 10 in one million. Therefore, with implementation of **Mitigation Measure AIR-1**, construction of the

proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. Impacts would be less than significant.

Operational Health Risk Assessment

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. The carcinogenic and chronic health risks from the proposed project are shown in Table 8. The residential risk incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). The HRA model snapshots and outputs are included in Appendix A.

Table 8
Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	7.69	0.020	0.000
Sensitive Receptor Risk	7.49	0.004	0.000
Day Care Receptor Risk	8.05	0.003	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (January, 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table 8, the maximum cancer risk for the day care receptor MEI would be 8.05 in one million and the cancer risk for the sensitive receptor MEI would be 7.49 in one million, which would both be less than the threshold of 10 in one million. The worker receptor risk would be 7.69 in one million. The total chronic hazard index would be 0.004 for the sensitive receptor MEI, 0.003 for the day care receptor MEI, and 0.020 for the worker receptor MEI, all of which are below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby residents, workers, and the day care from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions.

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, (Friant Ranch) the California Supreme Court held that an air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As discussed in the SCAQMD Brief filed in the Friant Ranch case, correlating a project's criteria air pollutant emissions to specific health impacts is challenging. The SCAQMD, which has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes noted that it may be "difficult to quantify health impacts for criteria pollutants." SCAQMD used O_3 as an example of why it is impracticable to determine specific health outcomes from criteria pollutants for all but very large, regional-scale projects.

First, forming O_3 "takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources." Second, "it takes a large amount of additional precursor emissions (NOx and VOCs) to cause a modeled increase in ambient ozone

levels over an entire region," with a 2012 study showing that "reducing NOx by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion"

SCAQMD concluded that it "does not currently know of a way to accurately quantify ozone-related health impacts caused by NOx or VOC emissions from relatively small projects." The San Joaquin Valley Air Pollution Control District (SJVAPCD) ties the difficulty of correlating the emission of criteria pollutants to health impacts to how ozone and particulate matter are formed, stating that "[b]ecause of the complexity of ozone formation, a specific tonnage amount of NOx or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area." Similarly, the tonnage of PM "emitted does not always equate to the local PM concentration because it can be transported long distances by wind," and "[s]econdary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SOx and NOx," meaning that "the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area." The disconnect between the amount of precursor pollutants and the concentration of ozone or PM formed makes it difficult to determine potential health impacts, which are related to the concentration of ozone and PM experienced by the receptor rather than levels of NOx, SOx, and VOCs produced by a source.

Most local agencies lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in cause asthma), existing scientific tools cannot accurately estimate health impacts of the project's air emissions without undue speculation. As previously stated, no significant health risk would occur from project operation emissions, and as such, impacts would be less than significant.

d) Less than Significant Impact. According to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints include agricultural operations, wastewater treatment plants, landfills, and certain industrial operations (such as manufacturing uses that produce chemicals, paper, etc.). During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people. Impacts would be less than significant.

Mitigation Measures

AIR-1: During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project is equipped with Level 3 diesel particulate filters or equivalent.

4.4 - Biological Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☑	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☐	☑
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☑
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☑	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☑	☐

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☑

a) Less than Significant Impact. The project site is significantly disturbed and is almost completely developed. The site is occupied by a residential property and the old La-Z-Boy facility. The Project site is not identified as critical habitat for any sensitive, threatened, or endangered species. Landscaping currently exists onsite; however, the ornamental vegetation is not native habitat. Onsite vegetation includes landscape ornamental trees, and shrubs. Considering the highly developed and disturbed nature of the project site the proposed project would not result in any significant impacts to sensitive species or their habitats.

Special-Status Plants

No special-status plant species are expected to be present on the project site due to the extent of current development and subsequent lack of suitable habitat; therefore, no impacts to special-status plants are anticipated as a result of project implementation.

Special Status Wildlife Species

Special-status wildlife species include those species listed as endangered or threatened under the Federal Endangered Species Act (FESA) or the California Endangered Species Act (CESA); candidates for listing by the U.S. Fish and Wildlife Services or California Department of Fish and Wildlife (USFWS & CDFW respectively); and species of special concern to the CDFW; and birds protected by the CDFW under California Fish and Game Code (CFGC) Sections 3503 and 3513.

No special-status wildlife species are expected to be impacted by project construction due to a lack of suitable habitat and high degree of site disturbance from existing development within and surrounding the project site.

b) No Impact. The project site is located in a heavily developed area of Redlands, and no riparian vegetation or other sensitive natural habitats are present on the project site as indicated in the City's General Plan.[5] Furthermore, no such features were detected by the National Wetlands Inventory at or near the project site.[6] As such, there will be no impacts.

c) No Impact. No state or federally protected wetlands or similar waterways are present on the project site. No wetlands were identified by the National Wetlands Inventory, or the City's General Plan at or near the project site.[7] There is a human-made channel, the Mission Channel, that moves seasonal stream waters immediately north of the project. The proposed project would not impact this waterway as project disturbances would not extend beyond the site boundary. Therefore; there would be no impacts related to wetlands.

d) Less than Significant with Mitigation Incorporated. The City does not maintain any wildlife corridors and the project site is surrounded on all sides by development and surface street features. The Federal Migratory Bird Treaty Act (MBTA; 16 USC sections 703–711) and California Fish and Game Code (CFGC) sections 3503, 3503.5, and 3513 extend protection to many avian species known to occur in the project area. The Eucalyptus trees that would be removed as part of the proposed project are ornamental; however, ornamental trees still have the potential to provide nesting habitat for bird species protected by the CFGC sections 3503 and 3513. In addition, there is potential

for tree-nesting birds to establish nests in the Eucalyptus trees prior to project-related construction. The loss of an active nest of common or special-status bird species and/or their eggs or young as a result of project construction would be considered a violation of the CFGC, section 3503, 3503.5, 3513 and therefore, would be considered a potentially significant impact. Therefore, implementation of **Mitigation Measure BIO-1** would be required to reduce impacts to nesting birds to a less than significant level.

e) Less than Significant Impact. The project would not conflict with local policies or ordinances protecting biological resources. During construction operations, trees and other plant varieties will need to be removed to accommodate current building designs and construction. The removal of trees and plants during construction activities will not interfere with Redlands' Tree Protection Guidelines as outlined in the City's Municipal Code.[8] The Guidelines are applicable to "Native or Specimen trees, Landmark trees, and Public Trees" as defined by the City. Trees on the project site have not been designated as native or specimen by the City, are not of any historic significance that would warrant a landmark designation, and trees on the project site are not located on public land, and do not qualify as public trees. Impacts will be less than significant.

f) No Impact. The City of Redlands is an active participant in the Upper Santa Ana River Wash Habitat Conservation Plan (the Wash Plan).[9] The project site is located south of the plan, outside of its boundaries. The project site is not located within an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other local, regional, or state habitat conservation plan. No impacts would occur.

Mitigation Measures

BIO-1: If vegetation removal is scheduled during the nesting season (typically February 1 to September 1), then a focused survey for active nests shall be conducted by a qualified biologist no more than five (5) days before the beginning of project-related activities (e.g., demolition, excavation, grading and vegetation removal). Surveys must be conducted in proposed work areas, staging and storage areas, and soil, equipment, and material stockpile areas. For passerines and small raptors, surveys must be conducted within a 250-foot radius surrounding the work area (in non-developed areas and where access is feasible). For larger raptors, such as those from the genus *Buteo*, the survey area must encompass a 500-foot radius. Surveys must be conducted by a qualified biologist during weather conditions suited to maximize the observation of possible nests and concentrate on areas of suitable habitat. If a lapse in project-related work of five days or longer occurs, an additional nest survey is required before work can be reinitiated. If nests are encountered during any preconstruction survey, a qualified biologist must determine if it may be feasible for construction to continue as planned without impacting the success of the nest, depending on conditions specific to each nest and the relative location and rate of construction activities. Any nest(s) within the project site shall be monitored by a qualified biologist during vegetation removal if work is occurring directly adjacent to the pre-determined no-work buffer. If the qualified biologist determines construction activities have potential to adversely affect a nest, the biologist will immediately inform the construction manager to halt construction activities within minimum exclusion buffer of 50 feet for songbird nests, and 200 to 500 feet for raptor nests, depending on species and location. Construction activities within the no-work buffer may proceed after a qualified biologist determines the nest is no longer active due to natural causes (e.g., young have fledged, predation or other non-anthropogenic nest failure).

4.4 – Cultural Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to '15064.5?	☐	☐	☐	☑
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to '15064.5?	☐	☑	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☑	☐	☐

A *Historical/Archaeological Resource Survey Report* was conducted to assess possible cultural and historical impacts associated with the construction and operation of the project (see Appendix B). The survey was prepared by CRM Tech on February 15th, 2023, and is attached as Appendix B.

a) No Impact. CEQA Guidelines state the term "historical resources" applies to resources that meet any of the criteria for listing on the California Register of Historical Resources.

> (1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
> (2) Is associated with the lives of persons important in our past.
> (3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
> (4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c)).

According to the records search and site visits conducted through the survey, the project site does not include any structure that could be considered historic in nature. In addition, according to the Historical Survey, neither the Former La-Z-Boy Plant nor the unoccupied single-family residence at 360 Kansas Street meet any of the criteria for listing in the California Register of Historical Resources or for local designation, and neither structure qualifies as a "historical resource." Therefore, the project would not result in any adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5 and no impacts would occur.

b) Less than Significant with Mitigation Incorporated. Given that the project site has been substantially disturbed by development over time, any archaeological resources that may exist likely have been previously unearthed, disturbed, or left in place. As such, significant surficial and subsurface archaeological resources are unlikely to occur on the Project site or be encountered during earthwork activities. However, in the unlikely event that archeological materials are uncovered during ground-disturbing activities, and at the request of the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians), **Mitigation Measures CUL-1 and CUL-2** have been

incorporated to reduce potentially significant impacts. With implementation of Mitigation Measures **CUL-1 and CUL-2**, impacts will be less than significant as a result of construction of the proposed Project.

c) Less than Significant with Mitigation Incorporated. No known human remains are anticipated to be located on or beneath the project site. However, these findings do not preclude the existence of previously unknown human remains located below the ground surface, which may be encountered during construction excavations associated with the project, and it is possible to encounter buried human remains during construction. At the request of the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians), **Mitigation Measure CUL-3** has been incorporated to reduce potentially significant impacts to previously unknown human remains that may be unexpectedly discovered during project implementation. In the unlikely event that human remains are uncovered the contractor is required to halt work in the immediate area of the find and to notify the County Coroner, in accordance with Health and Safety Code § 7050.5, who must then determine whether the remains are of forensic interest. If the Coroner, with the aid of a supervising archaeologist, determines that the remains are or appear to be of a Native American, they must contact the Yuhaaviatam of San Manuel Nation Cultural Resources Department for further investigations and proper recovery of such remains, if necessary. With implementation of **Mitigation Measure CUL-3**, impacts will be less than significant as a result of construction of the proposed Project.

Mitigation Measures

CUL-1: In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed within TCR-1, regarding any pre-contact and/or historic-era finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

CUL-2: If significant pre-contact and/or historic-era cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to YSMN for review and comment, as detailed within TCR-1. The archaeologist shall monitor the remainder of the project and implement the Plan accordingly.

CUL-3: If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.

4.5 – Energy

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption or energy resources, during project construction or operation?	☐	☐	☑	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☑	☐

An *Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report* was prepared for the proposed project by LSA, dated January 2023 (See Appendix A) to evaluate the potential air quality, energy and greenhouse gas impacts associated with the construction and operation of the proposed project. This report is consistent with the guidance and recommendations contained in the South Coast Air Quality Management District's (SCAQMD) California Environmental Quality Act (CEQA) Air Quality Handbook. The information presented below is condensed from the report prepared by LSA in December 2022 and is attached as Appendix A.

a) Less than Significant Impact. Implementation of the proposed project would result in the consumption of electricity, natural gas, and petroleum fuels during construction and operation of the business park / warehousing land uses.

Construction Energy Use

Construction of the proposed project is assumed to begin in June 2023 and end in May 2024. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction. Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, vehicle miles travelled (VMT), the fuel efficiency of the vehicles, and the travel mode. Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table 9, below.

Table 9
Proposed Project Energy Consumption Estimates During Construction

Energy Type	Total Fuel Consumption	Percentage of Increase Countywide
Diesel Fuel (total gallons)	68,917.10	0.02
Gasoline (total gallons	30,348.00	<0.01
Source: LSA, 2023.		

As indicated in Table 9, the project would consume approximately 68,917.1 gallons of diesel fuel and approximately 30,348.0 gallons of gasoline during construction. Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 321.6 million gallons of diesel and approximately 915.5 million gallons of gasoline are estimated to have been consumed from vehicle trips in San Bernardino County in 2022. Therefore, construction of the proposed project would increase the annual construction generated fuel use in San Bernardino County by approximately 0.02 percent for diesel fuel usage and by less than 0.01 percent for gasoline fuel usage. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to San Bernardino County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary, and impacts would be less than significant.

Operational Energy Use

Operational energy use is typically associated with natural gas use, electricity consumption, and fuel used for vehicle trips associated with a project. Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod. The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's Traffic Impact Analysis 59, which identifies that the existing conditions typically generate approximately 928 average daily trips and that the proposed project would generate approximately 962 average daily trips, including 681 passenger vehicle trips, 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in San Bernardino County. Electricity, natural gas, and fuel usage estimates associated with the proposed project are shown in Table 10, below.

As shown in Table 10, the estimated potential net increase in electricity demand associated with the operation of the proposed project is 612,787 kWh per year. Total electricity consumption in San Bernardino County in 2020 was 15,968.5 GWh (15,968,515,536 kWh). Therefore, operation of the proposed project would increase the annual electricity consumption in San Bernardino County by less than 0.01 percent. As also shown in Table 10, the estimated potential net increase in natural gas demand associated with operation of the proposed project is 8,559.3 therms per year. Natural gas consumption in San Bernardino County in 2020 was 527 million therms (527,236,428 therms). Therefore, operation of the proposed project would negligibly increase the annual natural gas consumption in San Bernardino County by less than 0.01 percent.

Table 10
Energy Consumption Estimates During Project Operation

Energy Type	Annual Energy Consumption
Existing Use Operational Energy Consumption	
Electricity Consumption (kWh/year)	623,199.0
Natural Gas Consumption (therms/year)	5,225.9
Proposed Project Operational Energy Consumption	
Electricity Consumption (kWh/year)	1,235,986.0
Natural Gas Consumption (therms/year)	13,785.2
Net Electricity Consumption	612,787.0
Net Natural Gas Consumption	8,559.3
Existing Uses Automotive Fuel Consumption	
Gasoline (gallons/year)	270,581.1
Diesel Fuel (gallons/year)	150,360.6
Proposed Project Automotive Fuel Consumption	
Gasoline (gallons/year)	207,395.2
Diesel Fuel (gallons/year)	272,935.6
Net Gasoline Consumptions	-63,185.9
Net Diesel Fuel Consumption	122,563.0
Source: LSA, 2023.	

Electrical and natural gas demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards. Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage.

As shown in Table 10, fuel consumption associated with the vehicle trips generated by the proposed project would result in a net decrease of approximately 63,185.9 gallons of gasoline and a net increase of approximately 122,563.0 gallons of diesel from existing conditions. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new to San Bernardino County. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 915.5 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in San Bernardino County by approximately less than 0.01 percent for gasoline fuel usage and approximately 0.04 percent for diesel fuel usage. Fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region, and as such, impacts would be less than significant.

b) Less than Significant Impact. In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels

for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's 2021 Integrated Energy Policy Report and 2022 Integrated Energy Policy Report Update provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in San Bernardino County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. Additionally, as demonstrated above, the proposed project would not result in the inefficient, wasteful, and unnecessary consumption of energy. Potential impacts related to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency would be less than significant.

4.6 – Geology and Soils

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☑	☐
ii) Strong seismic ground shaking?	☐	☐	☑	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☑	☐
iv) Landslides?	☐	☐	☐	☑
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☑	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☑	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1997), creating substantial direct or indirect risks to life or property?	☐	☐	☑	☐

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☑
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☑	☐	☐

a.i) Less than Significant Impact. The City of Redlands is located in a known fault zone according to the Alquist-Priolo Earthquake Fault Zoning Map. Redlands is between the San Andreas fault zone to the northeast, and the San Jacinto fault zone (also referred to as the Loma Linda Fault) to the southwest. The project site is not located within a designated Alquist-Priolo designated fault zone.[10] The Crafton Hills fault zone, also referred to as the Redlands Fault, traverses through the southeastern portion of the city. The project site is located approximately 2 miles northwest of the Crafton Hills fault zone. Redlands is located in a seismically active region with a high potential for seismic hazards and damage to occur. According to the City General Plan, development should be restricted within and near Alquist-Priolo designated fault zones.[11] Furthermore, structures should incorporate design standards recommended by the most current California Building Code (CBC). The project is not located on or near a Alquist-Priolo fault zone, and would adhere to design and repair requirements adopted in the current City of Redlands Code of Ordinances from the 2019 CBC.[12] Design requirements adopted by the city would be sufficient in mitigating seismic hazards to the proposed project, and as such, impacts are determined to be less than significant.

a.ii) Less than Significant Impact. The project site is subject to ground shaking given its proximity to fault zones and Southern California location. Per the City's General Plan, the potential for ground shaking and seismic-related damages are also dependent on the underlying soil composition.[13] The City is built on alluvium materials that can intensify ground shaking. The project site is of no greater risk to ground shaking than another area of Redlands, and while a structure may be damaged during an earthquake, adherence to design requirements adopted from the CBC would minimize damage to property within the structure, as they are designed to not collapse. The CBC is intended to provide minimum requirements to prevent major structural failure and loss of life. Impacts due to ground shaking would be less than significant.

a.iii) Less than Significant Impact. Liquefaction is a form of ground failure that occurs when soil transforms from a solid state to liquefied condition due to intense seismic ground shaking. Liquefaction typically occurs in loose granular materials, such as alluvium-type soils. Saturated soils or areas located near waterways and areas with a high groundwater level are also susceptible to such ground failure. Parts of the City of Redlands are susceptible to liquefaction and ground failure from seismically induced ground shaking. However, the City's General Plan indicates that the project site is not located in an area considered susceptible to liquefaction.[14] Impacts related to seismic-related ground failure and liquefaction will be less than significant.

a.iv) No Impact. The City's General Plan outlines areas in Redlands susceptible to landslides. According to the Healthy Community Element of the Redlands General Plan, the project site is not located in an area with high susceptibility, or even low to medium susceptibility, to landslide or ground subsidence.[15] There are no anticipated impacts related to landslides.

b) Less than Significant Impact. Topsoil is used to cover surface areas for the establishment and maintenance of vegetation due to its high concentrations of organic matter and microorganisms. The project site is located in an already developed area of Redlands, although there is the potential to expose surface soils to wind and water erosion during demolition and construction activities. However, wind erosion would be minimized through soil stabilization measures required by SCAQMD Rule 403 (Fugitive Dust), such as daily watering.[16] Stormwater related erosion would further be prevented through control practices outlined in the Redlands NPDES program.[17] Following project construction, the site itself would consist of mostly impervious surfaces and landscaping. Impacts related to soil erosion would be less than significant with the implementation of existing regulations.

c) Less than Significant Impact. Lateral spreading is the downslope movement of surface sediment due to liquefaction in a subsurface layer. The downslope movement is due to a combination of gravity and ground shaking. Lateral spreading has been observed to generally take place toward a free face (i.e., retaining wall, slope, or channel) and to lesser extent on ground surfaces with a very gentle slope. As previously discussed, the project site is in an area with a low susceptibility to liquefaction, and thus a low potential for lateral spreading to occur on the project site. The project site is located in a flat developed area, and any soil instability on the project site would not cause landslides. The project is required to be constructed in accordance with the CBC, and keeping in compliance with existing CBC regulations would limit hazard impacts arising from unstable soils to less than significant levels.

d) Less than Significant Impact. Construction of the proposed project is required to comply with the California Building Code (CBC); requiring building permits constructed to comply with current building code standards. These standards include consideration of geological and seismic conditions. Soil conditions at the site would be identified and considered as part of the design process. Compliance with existing CBC regulations would limit hazard impacts arising from liquefaction, landslides, lateral spreading, and unstable soils to less than significant.

e) No Impact. The project proposes to install new onsite water and sewer lines that would connect to the existing municipal sewer infrastructure in the surrounding streets. The underground chambers will be in the northwesterly landscape area and fully infiltrate the water volume. The proposed project would connect to this system and would not require the use of septic tanks. No impact will occur.

f) Less than Significant with Mitigation Incorporated. The proposed project site is currently developed in an urbanized area and therefore has no unique paleontological or geological resources on or near it. Development of the proposed warehouse will require demolition of the existing buildings, as well as site preparation, grading, and construction operations. Given that the proposed project site has been previously disturbed, it is considered unlikely that paleontological resources (fossil evidence of life from past geologic time frames) will be found. However, in the event that paleontological materials are uncovered, **Mitigation Measure GEO-1** is incorporated to ensure that uncovered resources are evaluated and curated as recommended by a qualified paleontologist. Impacts to paleontological resources would be less than significant with mitigation incorporation.

Mitigation Measures

GEO-1: If paleontological materials are uncovered during grading or other earth moving activities, the contractor shall be required to halt work in the immediate area of the find, and to retain a professional paleontologist to examine the materials to determine whether it is a significant paleontological resource. If this determination is positive, the resource shall be left in place, if determined feasible by the project paleontologist. Otherwise, the scientifically consequential information shall be fully recovered by the paleontologist. Work may continue outside of the area of the find; however, no further work shall occur

in the immediate location of the find until all information recovery has been completed and a report concerning it filed with the Community Development Director. The applicant shall bear the cost of implementing this mitigation.

4.7 – Greenhouse Gas Emissions

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☑	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☑	☐

An *Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report* was prepared to evaluate the potential air quality, energy and greenhouse gas impacts associated with the construction and operation of the proposed project (see Appendix A). This report is consistent with the guidance and recommendations contained in the South Coast Air Quality Management District's (SCAQMD) California Environmental Quality Act (CEQA) Air Quality Handbook. The information presented below is condensed from the report prepared by LSA in December 2022 and is attached as Appendix A.

a) Less than Significant Impact. Gases that trap heat in the atmosphere and affect regulation of the earth's temperature are known as GHG. Many chemical compounds found in the earth's atmosphere exhibit the GHG property. GHG's allow sunlight to enter the atmosphere freely. When sunlight strikes the earth's surface, it is either absorbed or reflected back toward space. Earth that has absorbed sunlight warms up and emits infrared radiation toward space. GHG absorbs this infrared radiation and "trap" the energy in the earth's atmosphere.

GHG that contribute to climate change are a different type of pollutant than criteria or hazardous air pollutants because climate change is global in scale, both in terms of causes and effects. Some GHG are emitted to the atmosphere naturally by biological and geological processes such as evaporation (water vapor), aerobic respiration (carbon dioxide), and off-gassing from low oxygen environments such as swamps or exposed permafrost (methane); however, GHG emissions from human activities such as fuel combustion (e.g., carbon dioxide) and refrigerants use (e.g., hydrofluorocarbons) significantly contribute to overall GHG concentrations in the atmosphere, climate regulation, and global climate change. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse.

The 1997 United Nations' Kyoto Protocol international treaty set targets for reductions in emissions of four specific GHG – carbon dioxide, methane, nitrous oxide, and sulfur hexafluoride – and two groups of gases – hydrofluorocarbons and perfluorocarbons. These GHG are the primary GHG emitted into the atmosphere by human activities. Water vapor is also a common GHG that regulates the earth's

temperature; however, the amount of water vapor in the atmosphere can change substantially from day to day, whereas other GHG emissions remain in the atmosphere for longer periods of time. Black carbon consists of particles emitted during combustion; although a particle and not a gas, black carbon also acts to trap heat in the Earth's atmosphere. The six common GHG are described below.

- **Carbon Dioxide (CO_2)**. CO_2 is released to the atmosphere when fossil fuels (oil, gasoline, diesel, natural gas, and coal), solid waste, and wood or wood products are burned.
- **Methane (CH_4)**. CH_4 is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from the decomposition of organic waste in municipal solid waste landfills and the raising of livestock.
- **Nitrous Oxide (N_2O)**. N_2O is emitted during agricultural and industrial activities, as well as during combustion of solid waste and fossil fuels.
- **Sulfur Hexafluoride (SF_6)**. SF_6 is commonly used as an electrical insulator in high voltage electrical transmission and distribution equipment such as circuit breakers, substations, and transmission switchgear. Releases of SF_6 occur during maintenance and servicing as well as from leaks of electrical equipment.
- **Hydrofluorocarbons (HFCs) and Perfluorocarbons (PFCs)**. HFCs and PFCs are generated in a variety of industrial processes. Although the amount of these gases emitted into the atmosphere is small in terms of their absolute mass, they are potent agents of climate change due to their high global warming potential.

GHG can remain in the atmosphere long after they are emitted. The potential for a particular greenhouse gas to absorb and trap heat in the atmosphere is considered its global warming potential (GWP). The reference gas for measuring GWP is CO_2, which has a GWP of one. By comparison, CH_4 has a GWP of 28, which means that one molecule of CH_4 has 28 times the effect on global warming as one molecule of CO_2. Multiplying the estimated emissions for non-CO_2 GHG by their GWP determines their CO_2 equivalent (CO_2e), which enables a project's combined GWP to be expressed in terms of mass CO_2 emissions.

Project GHG Emissions

The City of Redlands total emissions were 419,417 $MTCO_2e$ per year in 2015. The emissions inventory covers direct and indirect GHG emissions from sources within the boundaries of Redlands. The emissions inventory tallies emissions from ten sectors. The largest sector is transportation at approximately 41 percent, followed by residential and commercial sectors at approximately 23 and 17 percent, respectively. Off-road equipment is 8 percent of the total emissions. Industrial and solid wastes are 5 percent and 4 percent of the total emissions, respectively. Public lighting, water transport, distribution and treatment, and wastewater are all less than 1 percent of the total emissions.

<u>Short-term Emissions</u>
Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction GHG emissions to

be amortized over the life of the project, defined by the SCAQMD as 30 years[i], added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the project would generate approximately 690.1 $MTCO_2e$ during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 23.0 $MTCO_2e$. Table 11 lists the construction GHG emissions (details are provided in the CalEEMod output in Appendix A). Construction emissions would be temporary in nature and would only occur for the duration of the construction period.

Table 11
Construction Greenhouse Gas Emissions

Construction Year	Annual Emissions (MT/yr.)			
	CO_2	CH_4	N_2O	CO_2e
2023	428.0	0.1	<0.1	436.7
2024	249.9	<0.1	<0.1	253.4
Total Construction GHG Emissions				**690.1**
Amortized Annual Construction GHG Emissions				**23.0**

Source: Compiled by LSA (January 2023).
MT/yr. = metric tons per year
N_2O = nitrous oxide
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent

Long-term Emissions

Long-term GHG emissions are typically generated from mobile sources (e.g., vehicle trips), area sources (e.g., maintenance activities and landscaping), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include project-generated vehicle and truck trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment. Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2024 using CalEEMod. Table 12 shows the calculated GHG emissions for the proposed project.

[i] The SCAQMD has identified the average operational lifespan of buildings to be 30 years. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf [accessed November 2022].

Table 12
Greenhouse Gas Emissions

Emissions Source	Operational Emissions (MT/yr.)				
	CO_2	CH_4	N_2O	CO_2e	% of Total
Existing Uses					
Area Sources	<0.1	<0.1	<0.1	0.3	<1
Energy Sources	138.4	<0.1	<0.1	139.1	5
Mobile Sources	2,255.6	<0.1	<0.1	2,327.2	86
Waste Sources	37.2	2.2	0.0	92.1	3
Water Sources	117.8	1.5	<0.1	165.1	6
Total Existing Uses Emissions				**2,723.8**	**100**
Proposed Project Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	292.7	<0.1	<0.1	294.3	6
Mobile Sources – Vehicles/Light Duty Trucks	1,199.1	<0.1	<0.1	1,218.8	24
Mobile Sources – Heavy Duty Trucks	3,099.5	0.1	0.5	3,249.2	65
Waste Sources	37.7	2.2	0.0	93.4	2
Water Sources	124.3	1.5	<0.1	172.5	3
Total Project Operational Emissions				**5,028.2**	**100**
Amortized Construction Emissions				23.0	-
Total Annual Emissions				**5,051.2**	-
Total Net Annual Emissions				**2,304.4**	-
SCAQMD Threshold				3,000	-
Exceed Threshold?				**No**	-

Source: Compiled by LSA (January 2023).
MT/yr. = metric tons per year
N_2O = nitrous oxide
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e/yr. Based on the analysis results, the proposed project would result in an increase of approximately 2,304.4 MT CO_2e/yr. Therefore, operation of the proposed project would not generate significant GHG emissions that would have a significant effect on the environment. As such, impacts would be less than significant.

b) Less than Significant Impact. The proposed project would not conflict with the City of Redlands' Climate Action Plan, the San Bernardino Greenhouse Gas Reduction Plan, the 2022 Scoping Plan, or the 2020-2045 RTP/SCS. The project's consistency with these plans is described in more detail below.

Climate Action Plan

As described above, the City adopted a CAP in December 2017. The consistency of the project with the goals of this CAP fulfills the CEQA goal of fully informing local-agency decision-makers of the environmental impact of the project under consideration at a stage early enough to ensure that GHG emissions are addressed. The proposed project would be consistent with the transportation goals of the CAP by providing additional parking options for electric vehicles and carpool/vanpool vehicles. The proposed project would also be consistent with the CAP goal of increasing energy efficiency in new buildings by complying with the latest California Building Code (Title 24), including the latest CALGreen Code standards. Construction of the project would include a diversion of construction waste from landfills to recycling consistent with current local and State standards and CAP goals to increase

diversion and reduction of waste. As such, the proposed project would be consistent with applicable CAP goals.

San Bernardino County Regional Greenhouse Gas Reduction Plan

As discussed above, the City of Redlands was a participant in the San Bernardino County Regional Greenhouse Gas Reduction Plan, which identifies the County's vision and goals on reducing GHG emissions in the different cities, local government facilities, and communities. Table 13 below presents the proposed project's compliance with each reduction measure evaluated for the City of Redlands, as identified in the San Bernardino County Regional Greenhouse Gas Reduction Plan.

Table 13
Project Consistency with City of Redlands GHG Reduction Measures

Measure	Description	Project Consistency
	Building Energy	
Policies	• **8-A.10:** Integrate trees and shade into the built environment to mitigate issues such as stormwater runoff and the urban heat island effect. • **8-P.1:** Promote energy efficiency and conservation technologies and practices that reduce the use and dependency on nonrenewable resources of energy by both City government and the community. • **8-P.2:** Promote energy awareness community-wide by educating the community regarding energy audits and incentive programs (tax credits, rebates, exchanges, etc.) available for energy conservation. • **8-P.3:** Proactively review and update City plans, resolutions, and ordinances to promote greater energy efficiency in both existing and new construction in regard to site planning, architecture, and landscape design. • **8-A.14**: Seek funding programs to assist low and moderate-income households in energy conservation. • **8-A.12:** Explore participating in new high-efficiency technology programs such as LED lighting for City facilities, safety lighting in parks and other public spaces, and LED street lighting conversion for all City-owned streetlights. • **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. • **8-P.9**: Undertake initiatives to enhance sustainability by reducing the community's GHG emissions. • **8-A.20:** Support energy resiliency through a diversified system of energy sources including zero and near-zero emission technologies.	***Not Applicable.*** This measure is not applicable as the City would be responsible for implementing this measure. However, the proposed project would comply with the CALGreen Code, regarding building energy efficiency and other green building standards. In addition, the proposed project would include approximately 81,630 sq ft of ornamental landscaping that would cover 17 percent of the site.

	• **8-A.21**: Support the development of distributed energy resources (DER), such as combined heat and power (CHP) from microturbines, fuel cells, etc., to assist in local energy security.	
	On-Road	
Policies	• **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. • **8-A.7:** Seek alternatives to reduce non-renewable energy consumption attributable to transportation within the Planning Area. Seek funding and other assistance from the South Coast Air Quality Management District (AQMD) for installation of electric vehicle charging stations at appropriate locations throughout the City. • **4-P.44**: Provide choices for travel options, including walking, biking, vehicular, and transit. • **4-P.52**: Encourage stops of larger trains (Metrolink) in stations that can adequately accommodate their size and have greater availability of and access to parking. • **4-P.41**: Foster a connected, accessible, and active community by creating attractively designed pedestrian- and transit-oriented villages with a mix of uses in a compact area. • **4-A.105:** Create an active and compact transit-oriented core with a mix of residential and commercial/office uses. Allow for the reuse of commercial sites as office centers. San Bernardino Council of Governments Reduction Profiles—Redlands San Bernardino County Regional Greenhouse Gas Reduction Plan 3-156 March 2021 ICF 4-A.101: Implement bicycle route improvements that provide intra-City and regional connections, connecting to Loma Linda, the City of San Bernardino, and north to the Santa Ana River Trail. **4-A.100**: Provide streetscape improvements along the major corridors of California Street and Redlands Boulevard to enhance comfort and safety for all modes of travel. • **4-A.116**: Implement bicycle route improvements that provide strong east-west connections to other Transit Villages as well as north-south connections to improve access to existing neighborhoods to the north. Routes would include the Orange Blossom Trail, the Lugonia Trail on New York Street, and a route along Texas Street.	***Not Applicable.*** The proposed project would include a speculative warehouse building. Future tenants of the building would implement mass transit encouragement measures as applicable.

	8-P.9: Undertake initiatives to enhance sustainability by reducing the community's GHG emissions.	
Off-Road		
Policies	**8-P.9:** Undertake initiatives to enhance sustainability by reducing the community's GHG emissions.	***Consistent.*** The proposed project would comply with the CALGreen Code, regarding water conservation and green building standards. In addition, the proposed project would include electric vehicle spaces.
Solid Waste Management		
Policies	• **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. **8-A.42:** Adopt a construction and demolition waste recycling ordinance that requires, except in unusual circumstances, all construction, demolition and renovation projects that meet a certain size or dollar value to divert from landfills 100 percent of all cement concrete and asphalt concrete, and an average of at least 75 percent of all remaining non-hazardous debris	***Consistent.*** The proposed project would be consistent with County Solid Waste and State requirements for waste reduction.
Wastewater Treatment		
Policies	• **8-A.29:** Reduce consumption of carbon-based fuels for conveyance and treatment of water and wastewater. **8-A.27**: Seek funding sources to implement renewable energy sources determined to be feasible for water and wastewater operations.	***Consistent.*** The proposed project would comply with the CALGreen Code, regarding water conservation and green building standards.
Water Conveyance		
Policies	• **8-P.4**: Promote residential and commercial water conservation using multiple strategies. • **8-P.5:** Conserve the highest quality of water reasonably available for domestic use. • **8-P.6:** Minimize dependence on imported water through efficient use of local surface sources, using wise groundwater management practices, conservation measures, and the use of reclaimed wastewater and non- potable water for irrigation of landscaping and agriculture, where feasible. **8-P.8**: Promote sustainability by reducing the community's greenhouse gas (GHG) emissions and fostering green development patterns – including buildings, sites, and landscapes.	***Not Applicable.*** This measure is not applicable as the City would be responsible for implementing this measure. However, the proposed project would comply with the CALGreen Code, regarding water conservation and green building standards.

Source: Compiled by LSA (November 2022).
CALGreen Code = California Green Building Standards Code GHG = greenhouse gas
sq ft = square feet

2022 Scoping Plan

The following discussion evaluates the proposed project according to the goals of the 2022 Scoping Plan, EO B-30-15, SB 32, and AB 197. EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan, to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps the State on the path toward achieving its 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The 2022 Scoping Plan focuses on building clean energy production and distribution infrastructure for a carbon-neutral future, including transitioning existing energy production and transmission infrastructure to produce zero-carbon electricity and hydrogen, and utilizing biogas resulting from wildfire management or landfill and dairy operations, among other substitutes. The 2022 Scoping Plan states that in almost all sectors, electrification will play an important role. The 2022 Scoping Plan evaluates clean energy and technology options and the transition away from fossil fuels, including adding four times the solar and wind capacity by 2045 and about 1,700 times the amount of current hydrogen supply. As discussed in the 2022 Scoping Plan, EO N-79-20 requires that all new passenger vehicles sold in California will be zero-emission by 2035, and all other fleets will have transitioned to zero-emission as fully possible by 2045, which will reduce the percentage of fossil fuel combustion vehicles.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. The proposed project would be required to comply with the latest Title 24 standards of the CCR, established by the CEC, regarding energy conservation and green building standards.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the proposed project would be required to comply with the latest Title 24 standards of the CCR, which includes a variety of different measures, including reduction of wastewater and water use. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle

emissions for all vehicles by 2020. Vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

2020-2045 RTP/SCS

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the 2020–2045 RTP/SCS, but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. As stated above, the proposed project would result in a minimal increase in daily trips compared to existing conditions and would in no way conflict with the stated goals of the RTP/SCS; therefore, the proposed project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per State CEQA Guidelines Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

Based on the nature of the proposed project, it is anticipated that implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

4.8 – Hazards and Hazardous Materials

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☑	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☑	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☑	☐	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☑
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☑	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☑	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☑	☐

A *Phase I Environmental Site Assessment (ESA)*, dated March 31st, 2022, was prepared for the project by Roux Associates, Inc. (see Appendix C). The ESA was performed on both parcels associated with the project; APNs 0292-192-11-0000 at 301 Tennessee Street and 0292-192-14-0000 at 360 Kansas Street. Those parcels will be referred to as Parcel 1 and 2 respectively. The information in this section relates to hazards and hazardous wastes and is based on the information and analysis provided in the Phase I ESA.

a) Less than Significant Impact with Mitigation Incorporated. Implementation of the project could create significant hazards as a result of the routine transport, use, or disposal of hazardous materials during the construction of the proposed project and subsequent operation of the project. The results of the Phase I Environmental Site Assessment found evidence of three Recognized Environmental Conditions (RECs) representing the presence or likely presence of hazardous substance at the property. The identified RECs include: (1) releases at a former fire suppression water trap; (2) leaks from a former 300-gallon gasoline underground storage tank (UST); and (3) a leaking former solvent degreaser.

(1) Fire Suppression Trap. The first REC is a former fire suppression fire trap located on Parcel 1 and involves the release (leak) of volatile organic compounds (VOCs) primarily consisting of trichloroethene (TCE) and tetrachloroethene (PCE) into the soil. A soil investigation conducted in 1994 identified soil impacted by VOCs and total petroleum hydrocarbons (TPH) in the vicinity of a former "fire suppression water overflow collection trap (seepage pit)". Later soil investigations on Parcel 1 further suggested the origin of contamination was the seepage pit. Impacted soil vapor throughout Parcel 1 is limited to the upper 15 feet, except for the suspected seepage pit, where prior investigations have reported TCE in the soil vapor up to 95 feet below ground surface (bgs). Groundwater samples collected at a permanent monitoring well at the seepage pit (MW-1) have indicated TCE concentrations slightly exceeding drinking standards. Furthermore, indoor air investigations conducted within the former La-Z-Boy building on Parcel 1, identified indoor air impacted by VOCs. The impacts to indoor air are potentially the result of vapor intrusion but are considered more likely to be caused by foam roofing material known to contain (and potentially off-gas) PCE.

(2) Underground Storage Tank. According to records made available by the County of San Bernardino Fire Protection District: Hazardous Materials Division (CSBFD-HMD), the second REC is a 300-gallon gasoline UST formerly located on Parcel 2, approximately 50 feet north of the current residential building. The former UST was removed June 26, 1995, under the supervision of the CSBFD-HMD. A closure letter was issued July 3, 1995, however, in the opinion of the ESA, the closure investigation conducted at the time does not meet current regulatory requirements. Confirmation samples taken at the time did not report VOCs and TPH-gasoline above reporting limits.

(3) Former Solvent Degreaser. Records provided by the South Coast Air Quality Management District (SCAQMD) indicate a former solvent degreaser was installed on site in 1984. No site plans or any records or actions to abandon the degreaser were reviewed by Roux in preparation for the ESA and is considered a data gap. However, given the use of chlorinated solvents used, it is considered an REC as well.

No Controlled Recognized Environmental Conditions (cRECs) or Historical RECs (hRECs) were identified in the Phase I ESA.

Other Environmental Features. The Phase I ESA did acknowledge the existence of Other Environmental Features (OEFs) as "environmental conditions that do not meet the definition of a REC,

but which may warrant mention in a comprehensive Phase I ESA." OEFs identified in the assessment include former agricultural operations and pesticide usage, a former on-site railroad spur, hazardous chemical storage (degreaser, wax, diesel, and hydraulic fluid), and an unused groundwater well to the east of the residential building on Parcel 2.

A Limited Phase II Site Investigation was prepared by GSI Environmental Inc. for Acc Bld, LLC: Redlands, dated April 1, 2022, and was reviewed by Roux in preparation for this assessment. GSI installed two temporary groundwater monitoring wells at the southern boundary of Parcel 1 for soil vapor monitoring. A total of 46 samples, 23 from each well, were analyzed for VOCs. No VOCs were reported above laboratory reporting limits in the second well (GSI-B2). VOCs detected in the first well (GSI-B1) (chloroform, 1,1-DCE, and TCE) were detected, but were below applicable limits. VOCs were not detected in the grab groundwater samples collected from GSI-B1 and GSI-B2 temporary monitoring wells. TCE, 1,1-DCA and 1,1-DCE were detected above applicable Screening levels in the previously existing MW-1; and GSI concluded that there is a VOC contamination at the northern portion of the project site, near MW-1, and that such VOC concentrations have slightly impacted the groundwater. GSI recommended the implementation of a soil vapor extraction (SVE) to remediate soil at the project site, and recommends groundwater monitoring only, not remediation.

Short-term Activities (Construction): Project construction activities would involve the temporary use and transport of fuels, equipment, earth and building materials, among other potentially hazardous materials. The contractor would be required to develop and adhere to a Health and Safety Plan, which pursuant to California state Health and Safety Code Chapter 6.95, Division 20 (§§ 25500-25532), would minimize potentially hazardous effects of handling potentially hazardous materials during construction.[18] Construction operations would require the removal, clean up, and proper disposal of RECs and OEFs identified at the project site. The project will be in the jurisdiction of, and in compliance with, the Environmental Protection Agency (EPA) and County of San Bernardino, which manage the inspection, regulation, transportation, use, and disposal of hazardous materials in Redlands

Past and ongoing soil and groundwater testing has identified areas of contaminated soil on the project site. Onsite soils must meet state health standards for industrial uses to minimize potential public or worker health conditions during and after grading. Implementation of **Mitigation Measure HAZ-1**, which requires soil testing and removal of contaminated soils (if found), would help assure onsite soils meet applicable health and safety standards during project grading and prior to any new occupancy of the project site.

Construction activities may also involve the placement of remediation equipment or improvements within the proposed project – these improvements are incorporated into **Mitigation Measures HAZ-2 through HAZ-4**. **Mitigation Measure HAZ-2** requires implementation of on-site soil vapor extraction (SVE) system remediation activities, Mitigation Measure HAZ-3 requires installation of a vapor intrusion mitigation system (VIMS) beneath the proposed warehouse, and HAZ_4 requires preparation of a soil management plan (SMP). With implementation of these measures, potential impacts to the surrounding area from the disposal or transport of onsite hazardous materials or waste will be reduced to less than significant levels.

Long-term Activities (Operation)
With regard to project operation, the site is zoned as Light Industrial, which allows light manufacturing, warehousing, storage, and office uses. The proposed project is a warehouse, meant for the storage and movement of materials. The specific materials moved through the proposed industrial facility site are unknown prior to its construction, however 10% of storage space is being designated for cold storage usage. In compliance with the San Bernardino County Hazardous Waste Management Plan (HWMP), the City of Redlands requires businesses that use or generate hazardous materials to keep

an inventory of the amounts and types on-site. The transport, use, and/or disposal of hazardous materials is not associated with or expected with this project. The project will generate limited amounts of Household Hazard Waste (HHW), wastes prohibited or discouraged from being disposed of at local landfills. The San Bernardino County Fire Protection District operates a Household Hazardous Waste Program, with 14 permanent HHW collection facilities. These facilities will allow easy disposal of any HHW generated on-site. Through adherence to local regulations, the use of common household hazardous materials, created waste, and their disposal do not present a substantial health risk to the community. Impacts associated with the routine transport, use, or disposal of hazardous materials or wastes would be less than significant.

Remediation and Monitoring

Based on past onsite hazmat contamination conditions, safe operation of the new warehouse will depend on the success of ongoing and planned remediation activities (if needed) during project construction, and monitoring activities (if needed) post construction. **Mitigation Measures HAZ-2 through HAZ-4** address the potential remediation and monitoring activities on the site that may be needed to reduce impacts related to past contamination of the site by hazardous materials.

Based on this analysis, the project will not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. With implementation of the recommended mitigation measures and related regulatory compliance, potential impacts will be reduced to less than significant levels.

b) Less than Significant Impact with Mitigation Incorporated. According to the State Water Resources Control Board there are no open cases of leaking underground storage tanks (LUST) on site (see section 4.8d below). A 300-gallon gasoline UST located on Parcel 2 was removed June 26, 1995, under the supervision of the CSBFD-HMD. A Phase I ESA was conducted on Parcel 2 by Northgate Environmental Management, Inc. (Northgate) on June 10, 2020. Roux reviewed this report, which did not identify any hRECs on the property, and identified one REC related to the former UST previously discussed. The ESA did not suggest any additional recommendations. Per the Phase II Site Investigation prepared by GSI Environmental Inc., it was concluded that there is a VOC contamination at the northern portion of the project site (Parcel 1), and that the VOC concentrations have slightly impacted the groundwater. Recommendations include the implementation of soil vapor extraction (SVE) to remediate soil at the project site, and groundwater monitoring. Although the various hazmat studies indicate the VOC concentrations may not present a significant hazard to the public or environment, potential impacts from the subsurface release of hazardous materials into the environment would be reduced to less than significant levels by implementation of **Mitigation Measures HAZ-1 through HAZ-**4 as discussed in Threshold 4.8.a above.

Other environmental features of possible concern identified in the ESA may create a potential hazard to the public or environment. The project site was once used for agricultural purposes from the early 1900s to the mid-1960s; and as such pesticide usage most likely occurred. Furthermore, a rail line from the Southern Pacific Railroad previously ran along what is currently State Street. A railroad spur was identified to be present at the project site from at least 1967 to the late 1980s. A shallow soil investigation conducted in 2019 and tested for organochlorine pesticides (OCPs), heavy metals, TPH, and semi-volatiles organic compounds (SVOCs). According to the investigations, no compounds were detected above applicable screening levels or typical background concentrations. Additionally, hazardous chemicals were stored on site at the former La-Z-Boy facilities. No significant staining was observed during the ESA that could be attributed to hazardous material storage. Stained or shallow contaminated soils should be disposed of if encountered with regard to local requirements.

Based on this analysis, impacts to the public through the accidental release of hazardous materials would be reduced to less than significant levels by implementation of **Mitigation Measures HAZ-1 through HAZ-4** as discussed in Threshold 4.8.a above.

c) Less than Significant Impact with Mitigation Incorporated. The Redlands Adventist Academy (grades K-12) is located at 130 Tennessee Street, approximately 0.1-mile southeast of the project site, while the Arrowhead Christian Academy Upper School (grades 9-12) is located at 105 Tennessee Street approximately 0.1-mile south of the project site. As discussed in Thresholds 9.a and 9.b above, the project has some potential to result in the release of hazardous materials during remediation, grading, or construction related to remediation of the existing contamination. However, implementation of **Mitigation Measures HAZ-1 through HAZ-4** would help ameliorate any significant impacts to local schools during project construction or operation. Therefore, the project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. With the recommended mitigation any impacts would be reduced to less than significant levels.

d) No Impact. The proposed project is not located on a site listed on the state *Cortese List*, a compilation of various sites throughout the state that have been compromised due to soil or groundwater contamination from past uses.[19] Based upon review of the *Cortese List*, the project site is not:

- listed as a hazardous waste and substance site by the Department of Toxic Substances Control (DTSC),[20]
- listed as a leaking underground storage tank (LUST) site by the State Water Resources Control Board (SWRCB),[21]
- listed as a hazardous solid waste disposal site by the SWRCB,[22]
- currently subject to a Cease and Desist Order (CDO) or a Cleanup and Abatement Order (CAO) as issued by the SWRCB,[23] or
- developed with a hazardous waste facility subject to corrective action by the DTSC.[24]

Based on the above review of the Cortese List, the proposed project would not create a significant hazard to the public or the environment. No impact would occur.

e) Less than Significant Impact. The project site is located approximately 4 miles south of the San Bernardino International Airport (SBIA), and 5 miles west of the Redlands Municipal Airport. The project site is outside of the SBIA and Redlands Airport noise contour maps (See Noise Appendix D). The proposed project would adhere to noise and safety policies in Redlands' General Plan.[25] The project site is not located within two miles of a local airport and would not create excessive noise to local residents. Impacts would be less than significant.

f) Less than Significant Impact. Construction of the proposed project would not interfere with access for emergency personnel or the evacuation of onsite staff. Access to the project site would be available through four driveways; one on State Street, two on Tennessee Street, and one on Kansas Street. A 30-foot fire lane would connect all four driveways and wraps around the perimeter of the proposed warehouse except for the southern facing side of the building. Construction operations conducted at the project site would not significantly impede the flow of traffic on major evacuation routes in and around the City of Redlands, which include Interstates 10, 15, 210, and 215, and State Highways 30, 60, 66, 71, and 83. The project would not impair implementation of or physically interfere with an adopted emergency response plan or evacuation plan because no permanent public street or lane closures are proposed. Construction work in the street associated with the project would be limited to a nominal potential traffic diversion. Project impacts would be less than significant.

g) Less than Significant Impact. The project site is not located within or near any State Responsibility Areas or other wildland areas; the nearest such area being in adjacent Loma Linda as part of the San Timoteo Canyon.[26] Any potential impacts related to wildland fire would be less than significant.

Mitigation Measures

HAZ-1 **Soil Testing.** Prior to issuance of a grading permit, representative soil sampling shall be conducted onsite at depths of one and three feet and tested for organochlorine pesticides (OCPs) and heavy metals which may be present from past agricultural activities. The developer shall retain a qualified environmental professional (QEP) to design and supervise the sampling and testing. A final report shall be prepared summarizing the results of this testing and where onsite soils meet current industrial standards for sampled materials.

If the QEP determines that all onsite soil meets industrial standards, no further action is required. If onsite soils do not meet industrial standards, the QEP will work with the developer and grading contractor to determine how onsite soils can be mixed with clean offsite or imported soils to achieve the industrial standard for the entire site. The QEP, developer, and grading contractor shall also identify if or how much soil needs to be removed from the site. The collection and disposal of any excavated contaminated soils shall be in accordance with applicable hazardous materials regulations.

HAZ-2 **Soil Vapor Extraction (SVE) System.** Onsite SVE remediation activities began in September 2022 and were ongoing during preparation of the CEQA document. Two deep extraction wells (SVE-1 and SVE-2) are located on the northern and western portions of the site outside of the existing warehouse building. However, these wells would be impacted by development of the new warehouse project. Based on ongoing soil vapor monitoring, the existing SVE remediation activities will be completed by June 2023. SVE remediation activities shall be completed, and a final report submitted to the City prior to issuance of a grading permit for the proposed project. Regulatory oversight and approval of this system will be at the discretion of the San Bernardino County Fire Department as the County's Certified Unified Program Agency (CUPA). If the CUPA declines to be the regulatory authority for this oversight, the applicant shall enter into a Voluntary Cleanup Program (VCP) with the California Department of Toxic Substances Control (DTSC). The applicant must document the site meets all applicable health standards for groundwater and soil per the appropriate regulatory authority discussed above before a grading permit can be issued. Additional details on the SVE system can be found in Roux's SVE Pilot Test Technical Memorandum dated January 4, 2023 and the DRAFT Construction Completion Report dated March 3, 2023.

Once it is documented that applicable health standards have been met by the existing SVE activities, they can be shut down and all wells and subsurface piping shall be removed from the site. Confirmatory soil vapor samples will then be used to conduct a post-remediation human health risk assessment (HHRA). If the post-remediation HHRA shows risk less than 1:1,000,000 ("one in a million new cancer deaths"), no additional work associated with residual VOC concentrations is required (i.e., Mitigation Measure HAZ-3 is not required). If the post-remediation HHRA shows a risk greater than 1:1,000,000 then the developer shall implement Mitigation Measure HAZ-3.

HAZ-3 **Vapor Intrusion Mitigation System (VIMS).** If the post-remediation HHRA outlined in HAZ-2 shows risk greater than 1:1,000,000, a passive sub-slab Vapor Intrusion

Mitigation System (VIMS) shall be installed beneath the future warehouse building. The VIMS will generally consist of the following components (from bottom to top): (1) Gravel bed above the certified pad; (2) Horizontal perforated piping within the gravel bed to capture and convey residual vapors; (3) Spray-applied barrier above the gravel bed and below the building slab; and (4) Vertical risers to vent vapors to the atmosphere above the roof line.

If the VIMS is determined to be necessary, it shall be designed by a qualified professional engineer (P.E.) licensed in California. The VIMS design will be finalized prior to the start of building construction.

The VIMS system shall be designed to allow regular monitoring of vapor concentrations. After occupancy, monitoring shall be conducted and documented quarterly for the first year, semi-annually the second year, and annually thereafter for five years.

The installation and monitoring of the VIMS system shall be under the oversight of the City Engineering Department in consultation with the County Fire Department, Hazardous Materials Division as the Certified Unified program Agency (CUPA) for the County.

HAZ-4 **Soil Management Plan (SMP).** After remediation is complete and prior to grading and earth movement, a Soil Management Plan (SMP) shall be prepared to provide protocols and procedures if unexpected or unknown subsurface conditions are encountered at the project site. The SMP shall be shared with all contractors involved with earth movement and import activities, if any. The SMP shall identify parties to be contacted if unexpected or unknown conditions are encountered, including an environmental professional and regulatory agencies, if necessary (e.g., if an underground storage tank is encountered).

4.9 – Hydrology and Water Quality

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☑	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☑	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☑	☐
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☑	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	☐	☐	☑	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☑	☐
iv) impede or redirect flood flows?	☐	☐	☑	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☑	☐

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☑	☐

a) Less than Significant Impact. The project site is zoned as Light Industrial, meant for manufacturing, distribution, research and development (R&D) industries, and ancillary commercial uses. The project site is currently developed with an existing former manufacturing warehouse and unoccupied single-family home. The proposed project includes the demolition of existing onsite structures and the construction of a warehouse and associated parking and landscape improvements. By their nature, these kinds of facilities require a significant amount of parking, truck-staging, and vehicle circulation, in addition to the building facilities themselves. This in turn increases the amount of impermeable surfaces and the amount of flows into storm drains. Landscape coverage around the project site serves to provide relief for this. Construction and operation of the proposed warehouse would be required to comply with federal, state, and local water guidelines and requirements.

According to the City's General Plan, Redlands belongs to the Upper Santa Ana River Watershed Integrated Regional Water Management Plan (IRWM), a plan with the objective of improving water supply reliability, flood management, stormwater recharge, water quality, and habitats/open space. Development of the proposed warehouse would have to adhere to benchmarks outlined in the San Bernardino Valley Regional Urban Water Management Plan (RUWMP). Additionally, landscaping associated with the development of the proposed project would be in compliance with Chapter 15-54 of the Redlands Municipal Code, Water Efficient Landscape Requirements. Compliance with such requirements include following irrigation schedules, water efficiency audits, and non-potable irrigation systems among other guidelines. Furthermore, the project would be required to adhere to all Santa Ana Regional Water Quality Control Board (SARWQCB) permitting requirements for construction and NPDES standards for stormwater runoff, as well as adhere to City ordinances requiring the use of Best Management Practices (BMPs) to control the release of potential pollutants entering storm drain systems.[27] Such BMPs include, but are not limited to, routine street sweeping, routine storm drain and catch basin cleaning, regular pavement repair/maintenance, spill prevention practices, etc. With adherence to SARWQCB permitting requirements and NPDES standards, and adherence to City guidelines, impacts to water quality standards or waste discharge requirements will be less than significant.

b) Less than Significant Impact. Construction of the proposed warehouse and associated parking has the potential to interfere with groundwater recharge and can potentially deplete supplies. The nearest monitoring well to the project site is located approximately 0.4 miles southeast of the project site. The well has a depth of 548 feet, and the most recent readings, taken December 1, 2022, indicate a depth to groundwater of 180.1 feet.[28] The low water table recorded indicates the project will have a less than significant impact on groundwater supplies. The proposed project includes the demolition of the current 193,469 square-foot manufacturing building, and the development of a 193,469 square-foot warehouse building, 267 parking spaces, and the paving of driveways for truck and car access. The paving of previously undeveloped land and the increase in building surface area would increase impervious surface coverage on the site, thereby potentially reducing the total amount of infiltration

onsite. However, development of the proposed warehouse will include approximately 84,845 square feet of ornamental landscaping that would cover 18% of the site. Additionally, drainage from the proposed project would surface flow through the site and use catch basins and landscape drains to collect for treatment. The subsurface storm drain would be used to convey flows into a proposed underground chamber infiltration system. The project site is not utilized for groundwater recharge and would include landscaping and drainage improvements that will contribute to infiltration. The development of the project site would have a less than significant impact on the groundwater table level.

c.i) Less than Significant Impact. The City of Redlands is located in and around several regional watersheds. The City's existing water system is reliant on the Mill Creek and Santa Ana Watersheds. No rivers or streams intersect the project site. The project would not result in the alteration of drainages and drainage patterns, as the project would install new onsite water and sewer lines that would connect to the existing infrastructure in the surrounding streets. Drainage facilities on-site would be regularly maintained. Development of the proposed project would include construction activities such as demolition, site preparation, and grading. According to the City, all grading plans within the city require a standalone Erosion Control Plan.[29] Adherence to the City's erosion plan guidelines during construction of the proposed warehouse and proper maintenance of drainage facilities would decrease the likelihood of erosion of sensitive stream habitats, and as such any impacts to streams or rivers near the project site will be less than significant.

c.ii) Less than Significant Impact. No rivers or streams traverse the project site; thus, the project would not result in the alteration of any stream course. During construction, the project applicant would be required to comply with drainage and runoff guidelines pursuant to Redlands Municipal Code Chapter 15.54.200.[30] Due to the developed condition of the project site, the proposed project would not alter the existing drainage pattern of the site or surrounding area or increase runoff. With regard to project operation, construction of the project would increase the net area of impermeable surfaces on the site; therefore, increased discharges to the City's existing storm drain system may occur. Surface runoff associated with the proposed development would be collected on site through multiple drainage areas and infiltration systems and conveyed to the City's storm drainage system. All drainage plans are subject to City review and approval. The project site is zoned for light industrial uses and as a result could increase pollutants entering drainage systems. Construction of the proposed project will be required to adhere to all SARWQCB permitting requirements and NPDES standards for stormwater runoff, as well as adhere to City ordinances requiring the use of BMPs to control the release of potential pollutants entering storm drain systems as indicated in the City's General Plan. Compliance with local drainage guidelines and implementation of pollutant-related BMPs would make potential impacts less than significant.

c.iii) Less than Significant Impact. Development of the proposed project would increase the net area of impermeable surfaces on the site. Construction of the proposed project would install new onsite water and sewer lines connecting to the existing infrastructure in the surrounding streets. Drainage from the proposed project would surface flow through the site and utilize catch basins and landscape drains to collect for treatment. Subsurface storm drains would convey flows into a proposed underground chamber infiltration system. All drainage plans are subject to City review and approval. The proposed project is zoned for light industrial use and could result in substantial pollutant loading. As discussed in sections 4.9a and 4.9c.ii, BMPs would be required to be incorporated to protect water quality. With proper maintenance of drainage facilities and adherence to BMPs, impacts would be less than significant.

c.iv) Less than Significant Impact. According to flood maps prepared by the Federal Emergency Management Agency (FEMA), the project site is located in an area designated as "Flood Zone AO"; a special flood hazard area subject to inundation by the 1% annual chance flood with average flood depths

between 1 to 3 feet.[31] This designation is considered for river or stream flood hazard areas; the project site is adjacent to the Mission Channel, an irrigation canal that originally provided water to farms, and now serves to carry stormwater and runoff out of the city. The project site is currently occupied by a former La-Z-Boy manufacturing warehouse and unoccupied single-family home. The demolition of existing structures, grading, and construction of the proposed warehouse, parking, and landscaping would not impede or redirect flood flows, nor will it impact the flow of the Mission Channel. The project site is in a special flood hazard area; however, construction and operation of the project would not impede or redirect flood flows from the current condition because construction of the proposed warehouse would take place entirely within the existing footprint of the site and would not encroach on the flood control channel to the north. In addition, the proposed project would comply with City of Redlands Municipal Code Chapter 15.32 (Flood Damage Protection), which would ensure flood flows would not be impeded. Impacts will be less than significant.

d) Less than Significant Impact. The City is not exposed to tsunami hazards due to its inland location. In addition, according to the California Department of Water Resources, the City of Redlands is not located in a dam inundation area.[32] There are no impacts related to tsunami or dam inundation. The project site is located in a special flood hazard area, as indicated previously by FEMA, subject to inundation by the 1% annual chance flood. However, adherence to City ordinances requiring the use of BMPs to control the release of potential pollutants would reduce the potential for the release of pollutants in the event of inundation by a flood. Impacts would be less than significant.

e) Less than Significant Impact. The Santa Ana Regional Water Quality Control Board's (SARWQCB) Basin Plan is designed to preserve and enhance water quality and protect the beneficial uses of all regional waters. Development of the proposed project will be required to adhere to requirements of the Basin Plan. This includes the incorporation of BMPs to protect water quality during construction and operational periods. Development of the project site would be subject to all existing water quality regulations and programs, including all applicable construction permits. Existing General Plan policies related to groundwater quality are applicable to the project. The Sustainable Community Element includes policies that aim to limit potential water quality impacts and to promote groundwater conservation. Implementation of General Plan policies and the Regional Basin Plan would ensure that water quality impacts related to the proposed project would be less than significant.

4.10 – Land Use and Planning

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Physically divide an established community?	☐	☐	☐	☑
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☑

a) No Impact. The irregularly shaped project site is comprised of 2 parcels with an existing manufacturing warehouse and a single-family house. The project site is surrounded by commercial, industrial, and transportation-related land uses, and will not include the reconfiguration of existing roadways or streets. There are residential uses near the project site, however the project will not divide an established community and, as such, no impacts will occur.

b) No Impact. The project would not conflict with light industrial land uses (manufacturing, distribution, commercial) designated in the Redlands General Plan.[33] The proposed project is located within the Zoning designation of Light Industrial (I-P) which permits warehouses. The site is not located in a specific plan area. The proposed project does not require a general plan amendment or change of zone and will be required to comply with all applicable policies, requirements, and regulations of any agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect. No impact will occur.

4.11 – Mineral Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☑	☐
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☑	☐

a) Less Than Significant Impact. The California Surface Mining and Reclamation Act identifies and protects mineral resources within the State of California. It establishes several Mineral Resource Zones, divisions of land containing within them various amounts of known or unknown mineral resources. According to the City's General Plan, the northeast portion of the project site is adjacent to an MRZ-2 area, the designation suggesting that significant mineral resources may be present.[34] The General Plan further indicates that the project site is not located in an area designated by the State Mining and Geology Board as having regionally significant PCC-grade aggregate resources. The project site is located in an urbanized area of Redlands, with developments currently on and surrounding the property that include business, industrial, and residential uses. The demolition and redevelopment of the project site would not constitute a loss of aggregate mineral resources to the City or the State as its urban location is incompatible with mining operations and would negatively impact surrounding businesses and residents. Furthermore, the majority of the project site is located in an area with undetermined mineral resource occurrences. The proposed project is in a developed area of the City, incompatible with mining extraction operations, and would have a less than significant impact on mineral resources available to the City.

b) Less than Significant Impact. Mineral resources found in Redlands have been deemed significant to the region and the State, however such mineral resources identified have not been designated as locally significant to the City of Redlands. The northeast portion of the project site is adjacent to an MRZ-2 area, of which significant mineral deposits are likely to be present. However, the area is zoned as Light Industrial (I-P), meant for light industrial uses related to warehousing, wholesaling, and manufacturing uses. The area is urbanized and is surrounded by areas that would not support the development of mining operations and the subsequent increase in mining related pollution. The development of the project does not constitute a loss of mineral resources as the surrounding land uses do not support the development of mining operations. Potential impacts to locally important mineral resources would be less than significant.

4.12 – Noise

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☑	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☑	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☑	☐

A *Noise and Vibration Impact Analysis* was prepared by LSA (January, 2023) to evaluate and document noise levels associated with construction and operation of the proposed warehouse (See Appendix D). The information in this section is taken from the *Noise and Vibration Impact Analysis* for the proposed project. Additional detail regarding how noise is defined and measured can be found in the report in Appendix D.

a) Less than Significant Impact. Physical damage to human hearing begins at prolonged exposure to sound levels higher than 85 dBA. Exposure to high sound levels affects the entire system, with prolonged sound exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of sound exposure above 90 dBA would result in permanent cell damage. When the sound level reaches 120 dBA, a tickling sensation occurs in the human ear, even with short-term exposure. This level of sound is called the threshold of feeling. As the sound reaches 140 dBA, the tickling sensation is replaced by a feeling of pain in the ear (i.e., the threshold of pain). A sound level of 160–165 dBA will result in dizziness or a loss of equilibrium. The ambient or background noise problem is widespread and generally more concentrated in urban areas than in outlying, less developed areas.

Construction Noise Impact Analysis

Two types of short-term noise impacts could occur during the construction of the proposed project. First, construction crew commutes and the transport of construction equipment and materials to the site for

the proposed project would incrementally increase noise levels on access roads leading to the site. Although there would be a relatively high single-event noise-exposure potential causing intermittent noise nuisance (passing trucks at 50 ft would generate up to 84 dBA L_{max}), the effect on longer-term ambient noise levels would be small when compared to existing daily traffic volumes on Kansas Street, West State Street, and Tennessee Street. Because construction-related vehicle trips would not approach existing daily traffic volumes, as less trips would be made over a shorter-period of time, traffic noise would not increase by 3 dBA CNEL. A noise level increase of less than 3 dBA would not be perceptible to the human ear in an outdoor environment. Therefore, short-term, construction-related impacts associated with worker commute and equipment transport to the project site would be less than significant. The second type of short-term noise impact is noise generated during construction at the project site which includes demolition of the existing structures and other site improvements, site preparation, grading, building construction, paving, and architectural coating on the project site. Construction is completed in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the site and, therefore, the noise levels surrounding the site as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table 14 lists typical construction equipment noise levels recommended for noise impact assessments, based on a distance of 50 feet between the equipment and a noise receptor, taken from the FHWA Roadway Construction Noise Model. In addition to the reference maximum noise level, the usage factor provided in Table 14 is used to calculate the hourly noise level impact for each piece of equipment

Table 14
Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)[1]	Maximum Noise Level (L_{max}) at 50 Feet[2]
Auger Drill Rig	20	84
Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Paver	50	77
Pickup Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Trencher	50	80
Welder	40	73

Source: FHWA Roadway Construction Noise Model User's Guide, Table 1 (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Usage factor is the percentage of time during a construction noise operation that a piece of construction equipment is operating at full power.
[2] Maximum noise levels were developed based on Specification 721.560 from the Central Artery/Tunnel program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
FHWA = Federal Highway Administration
Lmax = maximum instantaneous sound level

The project construction composite noise levels at a distance of 50 feet would range from 74 dBA Leq to 88 dBA Leq with the highest noise levels occurring during the site preparation and grading phases. Table 15 shows the nearest sensitive uses to the project site, their distance from the center of construction activities, and composite noise levels expected during construction. These noise level projections do not consider intervening topography or barriers. Construction equipment calculations are provided in Appendix D.

Table 15
Potential Construction Noise Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 Feet [1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Industrial Uses (West)	88	315	72
Industrial Uses (South)		485	68
Commercial Uses (North)		485	68
School (South)		715	63

Source: Compiled by LSA (2023).
[1] The composite construction noise level represents the site preparation and paving phases which are expected to result in the greatest noise level as compared to other phases.
dBA Leq = average A-weighted hourly noise level

While construction noise would vary, it is expected that composite noise levels during construction at the nearest off-site industrial uses to the east would reach 72 dBA Leq while construction noise levels would approach 63 dBA Leq at the nearest sensitive use (School) to the south during daytime hours. These predicted noise levels would only occur when all construction equipment is operating simultaneously; and therefore, are assumed to be conservative. While construction-related short-term noise levels have the potential to be higher than existing ambient noise levels in the project area under existing conditions, the noise impacts would no longer occur once project construction is completed.

Noise impacts associated with construction activities are regulated by the City's noise ordinance. The proposed project would comply with the construction hours specified in the City's Noise Ordinance, which states that construction activities are allowed between the hours of 7:00 a.m. and 6:00 p.m. on weekdays, including Saturdays, with no activities taking place at any time on Sundays or federal holidays.

As it relates to off-site uses, construction-related noise impacts would remain below the 80 dBA Leq and 90 dBA Leq construction noise level criteria, as established by the FTA for residential and industrial land uses, respectively, for the average daily condition as modeled from the center of the project site and therefore would be considered less than significant. Best construction practices shall be implemented to minimize noise impacts to surrounding receptors. Adhering to the practices outlined

below, would ensure impacts to the surrounding area from construction-related activities would be less than significant.

Construction Noise Control Best Management Practices.
In addition to compliance with the City's Municipal Code, which states that construction activities are allowed between the hours of 7:00 a.m. and 6:00 p.m. on weekdays, including Saturdays, with no activities taking place at any time on Sundays or federal holidays, the following best construction practices would further minimize construction noise impacts:

- The project construction contractor shall equip all construction equipment, fixed or mobile, with properly operating and maintained noise mufflers consistent with manufacturer's standards.
- The project construction contractor shall locate staging areas away from off-site sensitive uses during the later phases of project development.
- The project construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site whenever feasible.

Operational Noise Impact Analysis

Long-Term Off-Site Traffic Noise Impacts
As a result of the implementation of the proposed project, off-site traffic volumes on surrounding roadways have the potential to increase. The proposed project trips generated were obtained from the *Focused Traffic Analysis for the 301 Tennessee Street Industrial Building.* The proposed project would generate a net increase of 71 passenger car equivalent (PCE) trips. Based on data from the City of Redlands Maps and Geographic Data, the existing average daily traffic (ADT) on Tennessee Street is 12,000.

An increase of approximately 0.02 dBA CNEL is expected along the streets adjacent to the project site. A noise level increase of less than 1 dBA would not be perceptible to the human ear; therefore, the traffic noise increase in the vicinity of the project site resulting from the proposed project would be less than significant.

Long-Term Off-Site Stationary Noise Impacts
Adjacent off-site land uses would be potentially exposed to stationary-source noise impacts from the proposed on-site mechanical equipment, trash bin activities, and truck deliveries and loading and unloading activities. The potential noise impacts to off-site sensitive land uses from the proposed HVAC equipment, cold storage fan units, trash bin emptying, and truck delivery activities are discussed below. To provide a conservative analysis, it is assumed that operations would occur equally during all hours of the day and that half the 25 loading docks would be active at all times. Additionally, it is assumed that within any given hour, three heavy trucks would maneuver to park near or back into one of the proposed loading docks. To determine the future noise impacts from project operations to the noise sensitive uses, a 3-D noise model, SoundPLAN, was used to incorporate the site topography as well as the shielding from the proposed building on-site.

Heating, Ventilation, and Air Conditioning Equipment
The project would have various rooftop mechanical equipment including HVAC units on the proposed building. To be conservative, it is assumed the project could have eight (8) rooftop HVAC units and operate 24 hours per day and would generate sound power levels (SPL) of up to 87.9 dBA SPL, based on manufacturer data (Trane).

Trash Bin Emptying Activities

The project is estimated to have a trash dumpster near the western property line of the proposed project site. The trash emptying activities would occur for a period less than one minute and would generate sound power levels (SPL) of up to 118.6 dBA SPL or 84 dBA Leq at 50 feet, based on reference information within SoundPLAN.

Cold Storage Fan Units

According to the project description, approximately 10% of the project could be utilized for cold storage. Noise levels generated by cold storage fan units would be similar to noise readings from previously gathered reference noise level measurements, which generate a noise level of 57.5 dBA Leq at 60 ft based on measurements taken by LSA (Operational Noise Impact Analysis for Richmond Wholesale Meat Distribution Center [LSA 2016]).

Truck Deliveries and Truck Loading and Unloading Activities

Noise levels generated by delivery trucks would be similar to noise readings from truck loading and unloading activities, which generate a noise level of 75 dBA Leq at 20 ft based on measurements taken by LSA. Shorter term noise levels that occur during the docking process taken by LSA were measured to be 76.3 dBA L8 at 20 ft. Delivery trucks would arrive on site and maneuver their trailers so that trailers would be parked within the loading docks. During this process, noise levels are associated with the truck engine noise, air brakes, and back-up alarms while the truck is backing into the dock. These noise levels would occur for a shorter period of time (less than five minutes). After a truck enters the loading dock, the doors would be closed, and the remainder of the truck loading activities would be enclosed and therefore much less perceptible. To present a conservative assessment, it is assumed that truck arrivals and departure activities could occur twice in a given hour for a period of less than five (5) minutes each and unloading activities could occur at 13 docks simultaneously for a period of more than 30 minutes in a given hour.

Combined Project Operations

As show in the Appendix D, the operational noise levels associated with the proposed project would not exceed 75 dBA Leq at the project boundaries, therefore, noise levels would noise exceed the City's exterior noise level limit of 75 dBA Leq anytime for industrial uses. Tables K and L below show the combined hourly noise levels generated by HVAC equipment, cold storage fans, trash emptying activities, and truck delivery activities at the closest off-site, non-industrial, land uses. The project-related noise level impacts would approach 47.5 dBA at the office uses to the north during daytime and nighttime hours and 38.5 dBA at the school to the south during daytime hours. These levels would be well below the City's exterior daytime noise standard of 65 dBA Leq for office uses and the exterior daytime standard of 60 dBA Leq for institutional uses (school) as well as 60 dBA Leq for office uses during nighttime hours. It is assumed that project operations during the more sensitive nighttime hours would not affect the school use to the south as the school would not be in operation during those hours. The project-related noise level impacts would approach 47.5 dBA at the office uses to the north.

Because project noise levels would not generate a noise level increase of 4 dBA when ambient noise levels exceed the City's exterior noise standards or generate a noise level increase of 6 dBA when ambient noise levels are below the City's exterior noise standards, impacts to the surrounding areas from project operation would be less than significant.

b) Less than Significant Impact.

Construction Vibration Impacts

This construction vibration impact analysis discusses the level of human annoyance using vibration levels in root-mean-square (RMS) (in/sec) and assesses the potential for building damages using vibration levels in peak particle velocity (PPV) (in/sec). This is because vibration levels calculated in RMS are best for characterizing human response to building vibration, while vibration level in PPV is best for characterizing potential for damage. Table 16 shows the PPV and RMS values at 25 ft. from the construction vibration source. As shown in Table 16, bulldozers, and other heavy-tracked construction equipment (expected to be used for this project) generate approximately 0.089 PPV in/sec or 0.063 in/sec RMS of ground-borne vibration when measured at 25 ft. The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project construction boundary (assuming the construction equipment would be used at or near the project setback line).

Table 16
Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/RMS at 25 Feet	
	PPV (in./sec.)	RMS (in./sec.)
Pile Driver (Impact), Typical	0.644	0.457
Pile Driver (Sonic), Typical	0.170	0.121
Vibratory Roller	0.210	0.149
Hoe Ram	0.089	0.063
Large Bulldozer[1]	0.089	0.063
Caisson Drilling	0.089	0.063
Loaded Trucks[1]	0.076	0.054
Jackhammer	0.035	0.025
Small Bulldozer	0.003	0.002

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] Equipment shown in **bold** is expected to be used on site.
ft = foot/feet
FTA = Federal Transit Administration
in/sec = inch/inches per second

Table 17
Potential Construction Vibration Annoyance Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 Feet [1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Industrial Uses (West)	0.063	315	0.0014
Industrial Uses (South)		485	0.0007
Commercial Uses (North)		485	0.0007
School (South)		715	0.0004

Source: Compiled by LSA (2023).
[1] The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment
used during construction.
[2] The reference distance is associated with the average condition, identified by the distance from the center of construction
activities to surrounding uses
ft = foot/feet
in/sec = inch/inches per second
RMS = root mean square velocity

Table 18
Potential Construction Vibration Damage Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 Feet [1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Industrial Uses (West)	0.089	100	0.011
Industrial Uses (South)		140	0.007
Commercial Uses (North)		155	0.006
School (South)		380	0.002

Source: Compiled by LSA (2023).
[1] The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment
used during construction.
[2] The reference distance is associated with the peak condition, identified by the distance from the perimeter of construction
activities to surrounding structures
ft = foot/feet
in/sec = inch/inches per second
PPV = peak particle velocity

As discussed above, the threshold at which vibration levels would result in annoyance would be 0.01 in/sec RMS and the FTA guidelines indicate that for a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 in/sec in PPV.

Based on the information provided in Table 17, vibration levels are expected to approach 0.0014 in/sec RMS at the closest industrial uses to the west and 0.0004 in/sec RMS at the closest sensitive use (School) to the south and would not exceed the annoyance thresholds.

Based on the information provided in Table 18, vibration levels are expected to approach 0.011 at the surrounding structures and would be below the 0.2 PPV in/sec threshold. Other building structures surrounding the project site are farther away and would experience further reduced vibration. Therefore, no construction vibration impacts would occur, impacts will be less than significant.

Operational Vibration Impacts

The proposed project would not generate vibration levels related to on-site operations. In addition, vibration levels generated from project-related traffic on the adjacent roadways are unusual for on- road vehicles because the rubber tires and suspension systems of on-road vehicles provide vibration isolation. Vibration levels generated from project-related traffic on the adjacent roadways would be less than significant.

c) Less than Significant Impact. Aircraft flyovers may be audible on the project site due to aircraft activity in the vicinity. The nearest airports to the project are San Bernardino International Airport (SBIA) and Redlands Municipal Airport (REI) approximately 3.30 miles to the northwest and northeast of project site, respectively. The project site is located well outside the SBD Airport Influence Area according to the 2017 Existing CNEL Contours and Generalized Land Uses – San Bernardino International Airport (San Bernardino County, 2017) as well as outside the REI 60 dBA CNEL Airport Noise Contour according to Figure 7-7: Airport Hazards in the City's General Plan.[35] Therefore, the project would not be adversely affected by airport/airfield noise, nor would the project contribute to or result in adverse airport/airfield noise impacts, and as such, impacts would be less than significant.

4.13 – Population and Housing

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☑	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☑

a) Less than Significant Impact The project site is designated for light industrial uses and is currently occupied by a warehouse building and one unoccupied single-family home. Because the proposed project would replace an existing use, and potential employees of the proposed warehouse would be drawn from the existing population in the area, it is not anticipated that the proposed project would result in a substantial increase in the number of employees on the project site. In addition, the project does not involve the extension of roads or other major infrastructure improvements that would indirectly induce unplanned population growth. The project complies with the City of Redlands General Plan and Zoning Ordinance.[36] The project site is zoned as Light Industrial for industrial, manufacturing, and warehousing purposes. The project is consistent with this criterion and is consistent with the anticipated buildout of the City's General Plan and would not induce any unplanned population growth. Impacts will be less than significant.

b) No Impact. Currently there is a single-family home located on the project site, however the home is not occupied. No housing would be displaced as a result of project development and as such there will be no impact.

4.14 – Public Services

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Fire protection?	☐	☐	☑	☐
b) Police protection?	☐	☐	☑	☐
c) Schools?	☐	☐	☑	☐
d) Parks?	☐	☐	☑	☐
e) Other public facilities?	☐	☐	☑	☐

a) Less than Significant Impact. The project is located in the service area of the City of Redlands Fire Department. The Fire Department responds to medical emergencies, hazardous materials incidents, rescue calls, and motor-related accidents, in addition to regular fire suppression services. There are four stations in Redlands[37]:

- Fire Station 261: 525 E Citrus Ave.
- Fire Station 262: 1690 Garden St.
- Fire Station 263: 10 W Pennsylvania Ave.
- Fire Station 264: 1270 W Park Ave.

The fire station nearest to the project site is Station 264, located approximately one quarter mile to the north. Future tenants of the proposed industrial facility that may store and use hazardous materials would be required to adhere to local and state regulations pertaining to the handling and storage of such materials. The project may create an incremental increase in demand for fire services. Development impact fees that are collected at the time of building permit issuance for approved projects would offset any incremental in demand for fire protection and emergency medical services. Fees go towards fire facilities and charge at a current rate of $716.94 per 1,000 square feet of office space, and $223.67 per 1,000 square feet of warehouse space.[38] Impacts related to expansion of fire protection services will be less than significant.

b) Less than Significant Impact. The project area is served by the Redlands Police Department. The Police Department and Patrol building is located at 1270 W Park Ave, Building C, Redlands, CA 92373. The station is approximately 0.3 miles north of the project site. Development of the project site may generate an incremental increase in the need for police protection in the project area. However, this incremental increase is consistent with the buildout of the City's General Plan. The Police Department reviews its needs on a yearly basis and adjusts service levels as needed to maintain an adequate level

of public protection. Additionally, Development Impact Fees collected at the time of building permit issuance will help to offset incremental impacts of development on demand for services. Fees go towards law enforcement facilities and charge a current rate of $37.40 per 1,000 square feet of office space, and $11.67 per 1,000 square foot warehouse space.[39] Therefore, a less than significant impact to police services would occur.

c) Less than Significant Impact. The project includes construction of a warehouse facility, associated parking, and landscape improvements. The project will not result in any direct population growth, or associated growth in students, within the Redlands Unified School District. As most of the employees that would staff the warehouse could be expected to come from the local population, a substantial increase in the school populations is unlikely. However, payment of development impact fees required under State law would offset the cost of increased demand for school district facilities in the future. The Redlands Unified School District has established a school fee and charge a current rate of $0.56 per square foot of industrial development built.[40] Any project impacts on school facilities would be less than significant.

d) Less than Significant Impact. Development of the project could have the potential to impact demand on parks and recreation facilities if it induced substantial population growth in the area. However, as most of the staff of the warehouse could reasonably be expected to come from the local population, the project is not expected to induce significant change to the local population. As such, the proposed warehouse project will not result in any direct population growth that would require expansion or acquisition of recreational facilities. Less than significant impacts would occur.

e) Less than Significant Impact. The project is not expected to create an increase in residents that would generate additional demand for public facilities. However, payment of development impact fees required determined by the City of Redlands would offset the cost of increased demand for such facilities in the future. Fees for public facilities are at a current rate of $852.83 per 1,000 square feet of office space, and $266.06 per 1,000 square feet of warehousing.[41] Potential impacts to public facilities in Redlands would be less than significant.

4.15 – Recreation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☑
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☑

a) No Impact. The project includes the demolition of the former 193,469 square foot La-Z-Boy warehouse, and the construction of a 197,397 square foot light industrial building. Employees of the warehouse would be drawn from existing residents within or near the City of Redlands. As such, the project itself would not create demand for additional parks, or other recreational activities as the workforce would be drawn from the existing population of the area and from additional housing planned by the City to accommodate anticipated buildout of the City's General Plan. There are no anticipated impacts to recreational facilities.

b) No Impact. The project does not include any recreational facilities or require the construction of new facilities, and there would not be an adverse physical effect to the environment. Therefore, there would be no impact.

4.16 – Transportation

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☑	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☑	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☑	☐
d) Result in inadequate emergency access?	☐	☐	☑	☐

A *Focused Traffic Analysis and VMT Screening Analysis* for the proposed project was prepared by EPD Solutions, Inc., dated January 30th, 2023 (See Appendix E). The information presented below is provided from the aforementioned evaluations.

a) Less than Significant Impact. The Focused Traffic Analysis and VMT Screening Analysis was prepared to determine whether the project meets the VMT requirements for the San Bernardino County Transportation Authority (SBCTA) Guidelines and screens out from needing to conduct a detailed analysis. In addition, CEQA Guidelines section 15064.3(A) states that Vehicle Miles Traveled is the most appropriate measure for transportation impacts, and Level of Service shall not be considered an environmental impact and "a project's effect on automobile delay shall not constitute a significant environmental impact" (for CEQA purposes). Table 19 below shows the estimated trip generation for the proposed project based on trip generation rates collected from the Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition, 2021). The vehicle mix was also determined using the ITE Manual. The forecast was determined by using ITE Land Use Code 110 General Light Industrial, and 140 Manufacturing to derive net site specific trip generation estimates for the proposed 197,397 square foot warehousing project, which includes the storage and cold storage of materials and the use of office and maintenance areas.

The trip generation takes credit for the existing warehouse and single-family house. As shown in Table 19, the existing manufacturing use is estimated to generate a total of 919 daily trips including 132 AM peak hour trips and 143 PM peak hour trips whereas the single-family house is estimated to generate a total of 9 daily trips including 1 AM peak hour trip and 1 PM peak hour trip. When adjusted for heavy truck trips and applying a passenger car equivalent (PCE) factors the existing manufacturing use would generate 1,307 daily trips including 190 PCE trips during the AM peak hour and 206 PCE trips during

the PM peak hour. In total, the existing land use generates 1,316 daily PCE trips, 191 PCE trips during the AM peak hour and 207 PCE trips during the PM peak hour. The proposed general light industrial use, including 10% cold storage, would generate 1,387 daily PCE trips, 212 PCE trips during the AM peak hour, and 187 PCE trips during the PM peak hour.

The resulting net trip generation on the project site would result in 71 daily PCE trips, 21 PCE trips during the AM peak hour, and -20 PCE trips during the PM peak hour. The project trips were distributed throughout the study area based on logical travel paths and patterns. The project truck and passenger car trip distribution and the project trip assignment are provided in Appendix E.

Table 19
Proposed Project Trip Generation

Land Use		Units	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Trip Rates									
General Light Industrial		TSF	0.65	0.09	0.74	0.09	0.56	0.65	4.87
Manufacturing		TSF	0.52	0.16	0.68	0.23	0.51	0.74	4.75
Single-Family Detached Housing		DU	0.182	0.518	0.7	0.5922	0.3478	.94	9.43

Existing Trip Generation		Units	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Existing Manufacturing Building	193,469	TSF	-100	-32	-132	-44	-99	-143	-919
Vehicle Mix[2]		**Percent[2,4]**							
Passenger Vehicles		72.50%	-73	-23	-96	-32	-72	-104	-666
2-Axle truck		4.60%	-5	-1	-6	-2	-5	-7	-42
3-Axle truck		5.70%	-6	-2	-8	-3	-6	-9	-52
4+ -Axle trucks		17.20%	-17	-6	-23	-8	-17	-25	-158
Total		**100%**	**-101**	**-31**	**-132**	**-45**	**-100**	**-145**	**-919**

PCE Trip Generation[3]		PCE Factor	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Passenger Vehicles		1.0	-73	-23	-96	-32	-72	-104	-666
2-Axle truck		1.5	-8	-1	-9	-3	-8	-11	-63
3-Axle truck		2.0	-12	-4	-16	-6	-10	-16	-104
4+ -Axle trucks		3.0	-51	-18	-69	-24	-51	-75	-474
Existing Manufacturing Building (PCE)			**-144**	**-46**	**-190**	**-65**	**-141**	**-206**	**-1307**

Single Family Residential[6]									
Passenger Vehicles	1	**DU**	-1	-1	-1	-1	-1	-1	-9

Total Existing Trip Generation			-101	-33	-133	-45	-100	-144	-928
Total Existing Trip Generation (PCE)			-145	-47	-191	-68	-142	-207	-1316

Proposed Project Trip Generation		Units	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Proposed General Light Industrial	197,397	TSF	129	18	146	18	110	128	961
Vehicle Mix (90% Warehousing)[2]		**Percent[2]**							

Passenger Vehicles		72.50%	84	12	96	12	72	84	627
2-Axle truck		4.60%	5	1	6	1	5	6	40
3-Axle truck		5.70%	7	1	8	1	6	7	49
4+ -Axle trucks		17.20%	20	3	23	3	17	20	149
Total		**100%**	**116**	**17**	**133**	**17**	**100**	**117**	**865**

Vehicle Mix (10% Cold Storage)[5]		**Percent[5]**							
Passenger Vehicles		55.30%	7	1	8	0	7	7	53
2-Axle truck		15.50%	2	0	2	0	1	1	15
3-Axle truck		4.90%	1	0	1	0	0	0	5
4+ -Axle trucks		24.30%	3	0	3	0	3	3	23
Total		**100%**	**13**	**1**	**14**	**0**	**11**	**11**	**96**

PCE Trip Generation[3]		**PCE Factor**	**AM Peak Hour**			**PM Peak Hour**			**Daily**
			In	**Out**	**Total**	**In**	**Out**	**Total**	
Passenger Vehicles		1.0	91	13	104	12	79	91	680
2-Axle truck		1.5	11	2	13	2	9	11	83
3-Axle truck		2.0	16	2	18	2	12	14	108
4+ -Axle trucks		3.0	69	9	78	9	60	69	516
Proposed General Light Industrial Building (PCE)			**187**	**26**	**213**	**26**	**160**	**185**	**1387**
Total Existing Trip Generation (PCE)			**-144**	**-44**	**-188**	**-66**	**-143**	**-209**	**-1317**
NET PCE Trip Generation			**43**	**-18**	**25**	**-41**	**17**	**-24**	**70**

TSF = Thousand Square Feet
PCE = Passenger Car Equivalent
[1] Trip rates from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021. Land Use Code 110 General Light Industrial, 140 Manufacturing.
[2] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. Without Cold Storage.
[3] Passenger Car Equivalent (PCE) factors from the San Bernardino County CMP, Appendix B – Guidelines for CMP Traffic Impact Analysis Reports in San Bernardino County, 2016.
[4] Total trip generation for this line rounded to match non-vehicle mix trip generation estimate.
[5] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. With Cold Storage.

Measure U Focused Traffic Analysis

Measure U was an initiative approved by the voters of Redlands in 1997 to enact several principles of managed development within the City of Redlands. The principles in Measure U have been incorporated throughout the new 2035 General Plan, as well as several sections of the Redlands Municipal Code. The Focused Traffic Analysis evaluated the project using the applicable Measure U Policies identified in the Connected City Element of the City of Redlands 2035 General Plan as well as the County of San Bernardino Transportation Impact Study Guidelines (TIS Guidelines). The Measure U Policies are largely based on Level of Service (LOS) standards that measure traffic congestion. A detailed LOS evaluation is included in the Focused Traffic Analysis (See Appendix E) in order to demonstrate project compliance with Measure U. Each Measure U policy is provided below followed by a brief explanation of how the project complies with the policy.

Policy 5.20a: Maintain LOS C or better as the standard at all intersections presently at LOS C or better.

As shown in Table 20 of the Focused Traffic Analysis, all study intersections currently operate at LOS C or better except for the intersection of Kansas Street and State Street during the AM Peak hour. The addition of project traffic would not cause any location to deteriorate from LOS C to worse than LOS C.

> *Policy 5.20b: Within the area identified in GP Figure 5-1, including that unincorporated County area identified on GP Figure 5-1 as the "donut hole", maintain LOS C or better; however, accept a reduced LOS on a case-by-case basis upon approval by a four-fifths (4/5ths) vote of the total authorized membership of the City Council.*

It is to be noted that Measure U Policy 5.20b would not apply since the project is not within the area identified in GP Figure 5-1.

> *5.20c: Where the current level of service at a location within the City of Redlands is below the Level of Service (LOS) C standard, no development project shall be approved that cannot be mitigated so that it does not reduce the existing level of service at that location except as provided in Section 5.20b.*

As shown in Table 20, the intersection of Kansas Street and State Street would operate at LOS F during the AM peak hour. Addition of project traffic would not change the delay or LOS at the intersection. Therefore, no mitigation is necessary as the project does not reduce the existing level of service at the intersection.

> *5.20f: If monitoring of conditions at intersections within the East Valley Corridor Specific Plan area and intersections affected by EVC development indicates that peak hour LOS will drop below the standards set by Policies 5.20a, 5.20b, 5.20c revise the EVC Specific Plan. Revisions necessary may include additional roadway improvements, mandated higher TDM (Travel Demand Management, See Section 5.40) reductions in single-occupant vehicle trip share, reduction of intensity of development, or changes in use of undeveloped sites.*

As discussed above, the project does not result in a drop in LOS at any intersection and therefore would not cause the LOS to drop below the referenced standards. The proposed project's study area intersections were evaluated with and without project trips to comply with the City's Measure U policies by determining if the project would cause any LOS deficiencies. As previously noted, CEQA Guidelines section 15064.3(A) states that Vehicle Miles Traveled is the most appropriate measure for transportation impacts, and Level of Service shall not be considered an environmental impact and "a project's effect on automobile delay shall not constitute a significant environmental impact" (for CEQA purposes). All study area intersections would operate at satisfactory LOS in the Existing and Existing Plus Project Conditions except for the intersection of Kansas Street and State Street which would continue to operate at an LOS F; however, the project does not impact the intersection since it does not increase the time delay. As such, the project would not result in any unsatisfactory LOS; therefore, the project would be in compliance with Measure U, no improvements would be required, and impacts would be less than significant.

b) Less than Significant Impact. In December 2018, the California Natural Resources Agency certified and adopted the updated CEQA Guidelines package. The amended CEQA Guidelines, specifically Section 15064.3, recommend the use of Vehicle Miles Travelled (VMT) as the primary metric for the evaluation of transportation impacts, under CEQA, associated with land use and transportation projects. In general terms, VMT quantifies the amount and distance of automobile travel attributable to a project or region. All agencies and projects State-wide are required to utilize the updated CEQA guidelines recommending the use of VMT for evaluating transportation impacts as of July 1, 2020. CEQA Guidelines allow for lead agency discretion in establishing methodologies and thresholds provided there is substantial evidence to demonstrate that the established procedures promote the

intended goals of the legislation. The City of Redlands CEQA Assessment VMT Analysis Guidelines provides guidelines for analysis of transportation impacts under CEQA. The guidelines also provide three types of screening that can be applied to determine if a project is exempt from project-level VMT analysis. The project was screened using the SBCTA VMT Screening Tool. If a project meets one of the following criteria, then the VMT impact of the project is considered less-than significant and no further analysis of VMT would be required:

1. The project is located within a Transit Priority Area.
2. The project is located in a low VMT generating area.
3. The project is considered a local serving use or would generate less than 3,000 metric tons of CO2 equivalent (3,000 MT CO2e) per year.

Below are the results of the screening criteria satisfaction for the project:

Screening Criteria 1 – The project is located within a Transit Priority Area:
The SBCTA tool illustrates that a majority of the project site is located within a Transit Priority Area, however this criterion would not apply as the project has a floor area ratio (FAR) of 0.44. The City of Redlands CEQA Assessment VMT Analysis Guidelines state that this criterion should be applied to projects with an FAR of 0.75 or more.

Screening Criteria 2 – Low VMT Generating Area:
The City's guidelines include a screening threshold for projects located in a low VMT generating area. The project's site was evaluated using the SBCTA VMT Screening Tool as discussed previously. The project is located within TAZ 53827301. The criteria applied to this project was 15% below the County baseline using the Origin-Destination VMT per Service Population. As shown in Appendix E, the Countywide VMT/Service Population is 33.3 and the threshold would be 28.3 VMT/Service Population. The screening tool indicates that these TAZs have an OD VMT/Service Population of 61.7. This is 85.29% above the threshold and would not be considered to generate a low VMT.

Screening Criteria 3 - The project is considered a local serving use or would generate less than 3,000 metric tons of CO2 equivalent (3,000 MT CO2e) per year.
Under the Project Type Screening criteria, projects which generate less than 3,000 MT CO2e per year can be presumed to have a less than significant impact on VMT. The project meets the criteria for classification as a warehousing land use. The City of Redlands guidelines state that warehousing uses of 463,400 square feet or less are presumed to generate less than 3,000 metric tons of CO2 equivalent (3,000 MT CO2e) per year and can be presumed to result in a less than significant VMT impact.

The proposed project is determined to have a less than significant impact on VMT since it satisfies one of more of the VMT screening criteria established by the City of Redlands CEQA Assessment VMT Analysis Guidelines. The project's VMT impact is considered less than significant and no additional VMT analysis is required.

c) Less than Significant Impact. A significant impact would occur if the proposed project substantially increased an existing hazardous design feature or introduced incompatible uses to the existing traffic pattern. Access to the site would be provided via four driveways; two driveways on Tennessee Street: a 40-foot truck accessible driveway located at the northeast corner of the site and a 30-foot driveway for passenger cars only located at the southeast corner of the project. Additionally, a 40-foot driveway for truck access will be located on West State Street, and another 40-foot driveway for both truck and passenger car access will be located on Kansas Street. The project does not involve any changes to the alignment or uses of existing roadways, and the proposed project is consistent with City of Redlands driveway spacing and design requirements. Construction operations occurring on site would comply with

the California Building Code adopted in the City of Redlands Municipal Code.[42] The proposed project would not result in a traffic safety hazard due to any design features, and impacts would be less than significant.

d) Less than Significant Impact. A significant impact would occur if the design of the proposed project would not satisfy emergency access requirements of the City of Redlands Fire Department or in any other way threaten the ability of emergency vehicles to access and serve the project site or adjacent uses. The proposed project would not result in inadequate emergency access. As previously discussed above, access to the site will be provided via four driveways; a 40-foot truck accessible driveway and a 30-foot driveway passenger car driveway on Tennessee Street, a 40-foot truck accessible driveway on West State Street, and another 40-foot truck and passenger car accessible driveway on Kansas Street. The driveway width is sufficient to provide access to fire and emergency vehicles and is consistent with California Fire Code requirements. All access features are subject to and must satisfy the City of Redlands design requirements, including the Fire Department's requirements. This project would therefore not result in adverse impacts with regard to emergency access. Impacts would be less than significant.

4.17 – Tribal Cultural Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a Cultural Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☑	☐	☐
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☑	☐	☐

a.i) Less than Significant with Mitigation Incorporated. A significant impact would occur if the proposed project would cause a substantial adverse change in the significance of a tribal cultural resource listed or eligible for listing in the California Resources of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k). The project site is currently developed, and there are no historic resources on, adjacent to, or in proximity to the project site listed in the California Register of Historical Resources pursuant to Section 15064.5. The City does not have any landmarks listed under its historic preservation program as defined in Public Resources Code Section 5020.1(k). However, in compliance with Assembly Bill 52, Native American tribes traditionally and culturally affiliated with the geographic area of the Project site were notified of the proposed Project on September 22, 2022 (See Appendix D). The tribes notified included:

- Gabrieleno Band of Mission Indians – Kizh Nation
- Morongo Band of Mission Indians
- Soboba Band of Luiseno Indians
- Torres Martinez Desert Cahuilla Indian
- The Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians)

On September 26, 2022, the City received a response from Ryan Nordness, Cultural Resources Analyst for the Yuhaaviatam of San Manuel Nation (YSMN). In the email, Mr. Nordness noted the project site is located in the Serrano ancestral territory and is of interest to the Tribe. However, given the "nature and location of the project" and the current state of knowledge regarding the area, YSMN has no concerns with the implementation of the project as planned. Furthermore, in the response, the YSMN requested that mitigation measures be included to reduce potential impacts to less than significant. Therefore, with incorporation of **Mitigation Measures TCR-1 and TCR-2**, impacts to listed or eligible tribal cultural resources would be less than significant.

a.ii) Less than Significant with Mitigation Incorporated. Government Code §§ 65352.3 and 65562.5 (SB 18); and Public Resources Code §§ 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3 (AB 52) provide that a project that may cause a substantial adverse change to a defined Tribal Cultural Resource (TCR) can result in a significant effect on the environment. AB 52 requires tribes interested in development projects within a traditionally and culturally affiliated geographic area to notify a lead agency of such interest and to request notification of future projects subject to CEQA prior to determining if a negative declaration, mitigated negative declaration, or environmental impact report is required for a project. The Lead Agency is required to notify tribes within 14 days of deeming a development application complete subject to CEQA to notify the requesting tribe as an invitation to consult on the project. AB 52 identifies examples of mitigation measures that will avoid or minimize impacts to TCR. The bill makes the above provisions applicable to projects that have a notice of preparation or a notice of intent to adopt a negative declaration/mitigated negative declaration circulated on or after July 1, 2015. Although there is no indication of TCRs at the project site, AB 52 is clear in stating that it is the responsibility of the Public Agency (i.e., Lead Agency) to consult with Native American tribes early in the CEQA process to allow tribal governments, lead agencies, and project proponents to discuss the appropriate level of environment review, identify and address potential adverse impacts to TCRs, and reduce the potential for delay and conflict in the environmental review process (see Public Resources Code Section 2108.3.2). Specifically, government-to-government consultation may provide "tribal knowledge" of the project area that can be used in identifying TCRs that cannot be obtained through other investigative means. Pursuant to AB 52, as the CEQA Lead Agency, the City of Redlands sent AB 52 consultation notification letters via email on September 22, 2022. On September 26, 2022, the City received a response from Ryan Nordness, Cultural Resources Analyst for the Yuhaaviatam of San Manuel Nation (YSMN). In the email, YSMN requested that mitigation measures be included to reduce potential impacts to less than significant. Therefore, with incorporation of **Mitigation Measures TCR-1 and TCR-2**, impacts to listed or eligible tribal cultural resources would be less than significant.

Mitigation Measures

TCR-1 **Cultural Resources Monitoring and Treatment.** The Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed in CUL-1, of any pre-contact and/or historic-era cultural resources discovered during project implementation and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be

deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with YSMN, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents YSMN for the remainder of the project, should YSMN elect to place a monitor on-site.

TCR-2 **Archaeological Documentation.** Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to YSMN. The Lead Agency and/or applicant shall, in good faith, consult with YSMN throughout the life of the project.

4.18 - Utilities and Service Systems

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☑	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☑	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☑	☐
d) Generate solid waste in excess of State and local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☑	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☑

a) Less than Significant Impact. The Redlands Municipal Utilities & Engineering Department delivers water to over 23,000 service connections throughout its service area, including those in Redlands, Mentone, parts of Crafton Hills, San Timoteo Canyon, and San Bernardino. The Department receives its water from a mix of sources including local groundwater wells, the Mill Creek Watershed, Santa Ana Watershed, and imported water provided through the State Water Project. The City utilizes 23 groundwater wells, 44 booster pumps, 18 reservoirs, and 450 miles of transmission lines to deliver water.[43] Additionally, the City operates two surface water treatment plants, Tate and Hinkley, which provide treated water from the Mill Creek and Santa Ana watersheds respectively, and State Water Project (SWP).[44] The City maintains ownership in multiple local private and mutual water companies to

bolster and secure reliable water supplies for their treatment plants. Wastewater is collected and treated at the Redlands Wastewater Treatment Facility and has a treatment capacity of 9.5 million gallons.

As discussed in the Hydrology and Water Quality section and Project Description, the project would install new water and sewer lines onsite connecting to the existing infrastructure in Redlands. The project would not generate substantially increased runoff from new impermeable surfaces on site. As part of the proposed project, catch basins and landscape drains will collect surface runoff onsite for treatment. The subsurface storm drain would move surface flows to an underground infiltration system located in the northwestern area of the project site. No additional improvements are anticipated to either sewer lines or treatment facilities to serve the project. Standard connection fees would address any incremental impacts of the project. Therefore, the project would result in less than significant impact as a result of new or expanded water supply and wastewater treatment facilities.

Impacts related to electric power, natural gas, and telecommunications facilities would also be less than significant. The project will connect to existing facilities and will not require any extension of services. Therefore, the proposed warehouse would not require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause a significant environmental effect. Less than significant impacts would occur.

b) Less than Significant Impact. According to the *2020 Integrated Regional Urban Water Management Plan* (*UWMP*) for the Upper Santa Ana River Watershed Region, the City of Redlands is projected to have a total demand of 25,818 acre-feet (AF) in 2025.[45] The same estimates calculated a supply total of 31,039 AF in 2020, a difference of 5,221 AF. The project would generate a marginal increase in additional demand for water from the City of Redlands' water supply, relative to overall existing citywide demand. As the Urban Water Management Plan anticipates an overall increase in demand associated with development in the area over 2015 conditions, and the proposed project is within the expected buildout and zoning of the City, water demand for this project is within that demand assumption, and as such, impacts would be less than significant. The project would not substantially deplete water supplies, and the project would have a less than significant impact on entitled water supplies.

c) Less than Significant Impact. Potentially significant impacts could occur as a result of this project if it results in a determination by the wastewater treatment provider which serves or may serve the project that it does not have adequate capacity to serve the project's projected demand in addition to the provider's existing commitments. As detailed in Sections 4.19.a and 4.19.b, the project would be adequately served by existing wastewater treatment facilities. Therefore, a less than significant impact would occur.

d) Less than Significant Impact. Significant impacts could occur if the proposed project would exceed the existing permitted landfill capacity or violates federal, state, and local statutes and regulations. Solid waste disposal services are overseen by the City of Redlands Trash Collection. Solid waste collected in Redlands is primarily transferred to the San Timoteo Landfill in Redlands, located approximately 6 miles south of the project site. According to CalRecycle, the San Timoteo Landfill has a maximum capacity of 23,685,785 tons, with a remaining capacity of 12,360,396 tons measured April 30th, 2019.[46] Construction of the facility is anticipated to generate some solid waste, with an estimated total waste generation of approximately 5044.3 lbs., per employee, per year.[47] Because there would be adequate landfill capacity in the region to accommodate project-generated waste, and the proposed project is not expected to generate a substantial quantity of solid waste, impacts to solid waste disposal capacity would be less than significant.

e) No Impact. The proposed project is required to comply with all applicable federal, state, County, and City statutes and regulations related to solid waste as a standard project condition of approval. Therefore, no impact would occur.

4.18 – Wildfire

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☑
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☑
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☑
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☑

a) No Impact. The project site is not located within or near any State Responsibility Areas, the nearest being in adjacent Loma Linda as part of the San Timoteo Canyon.[48] There are no wildland conditions in the urbanized area where the project site is located. The City's General Plan identifies several evacuation routes; these routes were previously designated as potential evacuation routes in the 2007 San Bernardino General Plan.[49] These include: Interstates 10, 15, 210, and 215, and State Highways 30, 60, 66, 71, and 83. In the event of an earthquake, the following roads would provide safe access out of the San Bernardino Valley, as indicated by Caltrans and cited in the Redlands General Plan:

- Hospitality Lane from Tippecanoe Avenue to Waterman Avenue
- Coulston Street from Mountain View Avenue to Tippecanoe Avenue
- Lugonia Avenue from Orange Street to Mountain View Avenue
- Redlands Boulevard from Orange Street to Waterman Avenue

The proposed project would not interfere with the availability of these highways and roadways as evacuation routes. The project would not substantially impair any adopted or informal emergency response plan or evacuation plan, as such no impact would occur.

b) No Impact. The project site is not located within a fire hazard zone, as identified on the Very High Fire Hazard Severity Zone (VHFHSZ) maps prepared by the California Department of Forestry and Fire Protection (CALFIRE).[50] The nearest VHFHSZ is located approximately 3 miles southwest of the project site just south of Beaumont Avenue in Loma Linda. The project site is located in a heavily urbanized area and would not exacerbate wildfire risks, thereby exposing occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. No impact would occur.

c) No Impact. The project site is not located within or near any State Responsibility Areas as indicated in Section 4.18a. None of the project improvements would exacerbate fire risk or would result in a temporary or ongoing impact from wildfires requiring the installation or maintenance of associated infrastructure that may exacerbate fire risk, or that may result in temporary or ongoing impacts to the environment. No impact would occur.

d) No Impact. The project site is not located within or near any State Responsibility Areas. According to the Federal Emergency Management Agency (FEMA) Flood Maps, the project site is in an area of 1% annual chance flood.[51] The project site is not located in a dam inundation area. The project site is located in a flat area, with little to no potential for landslides or downstream flooding or runoff. If such an event were to occur, the City of Redlands General Plan outlines policies and principles to mitigate potential impacts from flooding. Development of the proposed project would not exacerbate risks to people from flooding or landslides. No impacts would occur.

4.19 – Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☑	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable?	☐	☑	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☑	☐

a) Less than Significant with Impact. The proposed project would not substantially impact any scenic vistas, scenic resources, or the visual character of the area, as discussed in Section 4.1, and would not result in excessive light or glare. The project site is located within a developed area with no natural habitat. The proposed project would not significantly impact any sensitive plants, plant communities, fish, wildlife, or habitat for any sensitive species. Impacts to burrowing owl and migratory birds will be less than significant with mitigation and adherence to existing regulations. There are no jurisdictional waters on the project site. There will be no impacts to possible historical or archaeological resources.

The environmental analysis provided in Section 4.3 concludes that impacts related to emissions of criteria pollutants and other air quality impacts would be less than significant with mitigation. Section 4.8 concludes that impacts related to climate change would be less than significant. Impacts related to hydrology and water quality would be less than significant. Based on the preceding analysis of potential impacts in the responses to items 4.1 through 4.20, no evidence is presented that this proposed project would degrade the quality of the environment. Impacts related to degradation of the environment, biological resources, hydrology and water quality would be less than significant.

b) Less than Significant Impact. Cumulative impacts can result from the interactions of environmental changes resulting from one proposed project with changes resulting from other past, present, and future projects that affect the same resources, utilities and infrastructure systems, public services, transportation network elements, air basin, watershed, or other physical conditions. Such

impacts could be short-term and temporary, usually consisting of overlapping construction impacts, as well as long-term, due to the permanent land-use changes and operational characteristics involved with the proposed project. Cumulative impacts would be less than significant, as further discussed herein.

Aesthetics

Impacts related to aesthetics at the project-level have no potential for cumulative impacts because impacts are limited to on-site conditions and include no component that could result in similar impacts over time or space. Therefore, no cumulative impacts related to this topic would occur.

Agricultural Resources

The analysis provided in Sections 4.2 found that no individual impacts would occur; therefore, the Project could not contribute considerably to local agriculture or forestry.

Air Quality

The analysis provided in Section 4.3 and the Air Quality Health Risk Assessment found that impacts would be less than significant with adherence to the recommended mitigation below:

AIR-1: During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project is equipped with Level 3 diesel particulate filters or equivalent.

Biological Resources

The analysis provided in Section 4.4 found that no individual impacts to sensitive species or migratory birds would occur with implementation of mitigation; therefore, the project would not contribute considerably to regional impacts on such species, and impacts would be less than significant. project would have no other impacts on biological resources and would not result in localized or regional cumulative impacts, and as such, impacts would be less than significant. Mitigations for nesting birds include the following:

BIO-1: If vegetation removal is scheduled during the nesting season (typically February 1 to September 1), then a focused survey for active nests shall be conducted by a qualified biologist no more than five (5) days before the beginning of project-related activities (e.g., demolition, excavation, grading and vegetation removal). Surveys must be conducted in proposed work areas, staging and storage areas, and soil, equipment, and material stockpile areas. For passerines and small raptors, surveys must be conducted within a 250-foot radius surrounding the work area (in non-developed areas and where access is feasible). For larger raptors, such as those from the genus *Buteo*, the survey area must encompass a 500-foot radius. Surveys must be conducted by a qualified biologist during weather conditions suited to maximize the observation of possible nests and concentrate on areas of suitable habitat. If a lapse in project-related work of five days or longer occurs, an additional nest survey is required before work can be reinitiated. If nests are encountered during any preconstruction survey, a qualified biologist must determine if it may be feasible for construction to continue as planned without impacting the success of the nest, depending on conditions specific to each nest and the relative location and rate of construction activities. Any nest(s) within the project site shall be monitored by a qualified biologist during vegetation removal if work is occurring directly adjacent to the pre-determined no-work buffer. If the qualified biologist determines construction activities have potential to adversely affect a nest, the biologist will immediately inform the construction manager to halt construction activities within minimum exclusion buffer of 50 feet for songbird nests, and 200 to 500 feet for raptor nests, depending on species and location. Construction activities within the no-work buffer may proceed after a

qualified biologist determines the nest is no longer active due to natural causes (e.g., young have fledged, predation or other non-anthropogenic nest failure).

Cultural Resources

The analysis provided in Section 4.5 and the Historical/Archaeological Resources Survey found that impacts to historic or archaeological resources would be less than significant with adherence to the recommended Mitigation measures below. Mitigations for Cultural Resources include the following:

CUL-1: **Buried Cultural Resources.** In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed within TCR-1, regarding any pre-contact and/or historic-era finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

CUL-2: **Monitoring and Treatment.** If significant pre-contact and/or historic-era cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to YSMN for review and comment, as detailed within TCR-1. The archaeologist shall monitor the remainder of the project and implement the Plan accordingly.

CUL-3: **Funerary Discovery.** If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.

Energy

The analysis provided in Section 4.6 found that no individual impacts related to energy use would occur as a result of the proposed project. Therefore, the project would not contribute to cumulative energy impacts.

Geology and Soils

Impacts related to geology at the project-level have no potential for cumulative impacts. Therefore, the proposed project would have no contribution to potential geological or soil degradation or other such impacts. If during construction operations, paleontological resources are discovered, **Mitigation Measure GEO-1** is given to establish proper care and attention to such discoveries. Impacts related to this topic would be less than significant. Mitigation for Geology and Soils are as follows:

GEO-1: If paleontological materials are uncovered during grading or other earth moving activities, the contractor shall be required to halt work in the immediate area of the find, and to retain a professional paleontologist to examine the materials to determine whether it is a significant paleontological resource. If this determination is positive, resource shall be left in place, if determined feasible by the project paleontologist. Otherwise, the scientifically consequential information shall be fully recovered by the paleontologist. Work may continue outside of the area of the find; however, no further work shall occur

in the immediate location of the find until all information recovery has been completed and a report concerning it filed with the Community Development Director. The applicant shall bear the cost of implementing this mitigation.

Greenhouse Gas Emissions

As discussed in Section 4.8, climate change is the result of numerous, cumulative sources of greenhouse gas emissions all over the world. The project would not contribute considerably to global climate change.

Hazardous Materials

The analysis provided in Section 4.9 related to hazards and hazardous materials, and the associated Phase I Environmental Site Assessment found that impacts would be less than significant with adherence to the following mitigation measures listed below. Additionally, compliance with all regulations related to the disposal and storage of household hazardous waste would ensure that impacts would be less than significant.

HAZ-1 **Soil Testing.** Prior to issuance of a grading permit, representative soil sampling will be conducted onsite at depths of one and three feet and tested for organochlorine pesticides (OCPs) and heavy metals which may be present from past agricultural activities. The developer shall retain a qualified environmental professional (QEP) to design and supervise the sampling and testing. A final report shall be prepared summarizing the results of this testing and where onsite soils meet current industrial standards for sampled materials.

If the QEP determines that all onsite soil meets industrial standards, no further action is required. If onsite soils do not meet industrial standards, the QEP will work with the developer and grading contractor to determine how onsite soils can be mixed with clean offsite or imported soils to achieve the industrial standard for the entire site. The QEP, developer, and grading contractor shall also identify if or how much soil needs to be removed from the site. The collection and disposal of any excavated contaminated soils shall be in accordance with applicable hazardous materials regulations.

HAZ-2 **Soil Vapor Extraction (SVE) System.** Onsite SVE remediation activities began in September 2022 and were ongoing during preparation of the CEQA document. Two deep extraction wells (SVE-1 and SVE-2) are located on the northern and western portions of the site outside of the existing warehouse building. However, these wells would be impacted by development of the new warehouse project. Based on ongoing soil vapor monitoring, the existing SVE remediation activities will be completed by June 2023. These activities must be completed, and a final report submitted to the City prior to issuance of a grading permit for the new warehouse. Regulatory oversight and approval of this system will be at the discretion of the San Bernardino County Fire Department as the County's Certified Unified Program Agency (CUPA). If the CUPA declines to be the regulatory authority for this oversight, the applicant shall enter into a Voluntary Cleanup Program (VCP) with the California Department of Toxic Substances Control (DTSC). The applicant must document the site meets all applicable health standards for groundwater and soil per the appropriate regulatory authority discussed above before a grading permit can be issued. Additional details on the SVE system can be found in Roux's SVE Pilot Test Technical Memorandum dated January 4, 2023 and the DRAFT Construction Completion Report dated March 3, 2023.

Once it is documented that applicable health standards have been met by the existing SVE activities, they can be shut down and all wells and subsurface piping shall be removed from the site. Confirmatory soil vapor samples will then be used to conduct a post-remediation human health risk assessment (HHRA). If the post-remediation HHRA shows risk less than 1:1,000,000 ("one in a million new cancer deaths"), no additional work associated with residual VOC concentrations is required (i.e., Mitigation Measure HAZ-3 is not required). If the post-remediation HHRA shows risk greater than 1:1,000,000 then the developer shall implement Mitigation Measure HAZ-3.

HAZ-3 **Vapor Intrusion Mitigation System (VIMS).** If the post-remediation HHRA outlined in HAZ-2 shows risk greater than 1:1,000,000, a passive sub-slab Vapor Intrusion Mitigation System (VIMS) shall be installed beneath the future warehouse building. The VIMS will generally consist of the following components (from bottom to top): (1) Gravel bed above the certified pad; (2) Horizontal perforated piping within the gravel bed to capture and convey residual vapors; (3) Spray-applied barrier above the gravel bed and below the building slab; and (4) Vertical risers to vent vapors to the atmosphere above the roof line.
If the VIMS is determined to be necessary, it shall be designed by a qualified professional engineer (P.E.) licensed in California. The VIMS design will be finalized prior to the start of building construction.

The VIMS system shall be designed to allow regular monitoring of vapor concentrations. After occupancy, monitoring shall be conducted and documented quarterly for the first year, semi-annually the second year, and annually thereafter for five years.

The installation and monitoring of the VIMS system shall be under the oversight of the City Engineering Department in consultation with the County Fire Department, Hazardous Materials Division as the Certified Unified program Agency (CUPA) for the County.

HAZ-4 **Soil Management Plan (SMP).** After remediation is complete and prior to grading and earth movement, a Soil Management Plan (SMP) shall be prepared to provide protocols and procedures if unexpected or unknown subsurface conditions are encountered at the project site. The SMP will be shared with all contractors involved with earth movement and import activities, if any. The SMP will identify parties to be contacted if unexpected or unknown conditions are encountered, including an environmental professional and regulatory agencies if necessary (e.g., if an underground storage tank is encountered).

Land Use and Planning

The analysis provided in Section 4.11 related to Land Use and Planning found that impacts would be less than significant; therefore, while the proposed project would contribute to individual, localized, or regional cumulative impacts, its contribution would not be considerable.

Mineral Resources

The analysis provided in Section 4.12 related to mineral resources found that there would be no impact; therefore, while the project would contribute to localized or regional cumulative impacts, the project contribution would not be considerable.

Noise

As discussed in Section 4.13, on-site operational noise is not anticipated to result in perceptible increases in ambient noise with the implementation of Best Management Practices. Therefore, the proposed project would not contribute considerably to noise levels in the immediate vicinity of the project. The project would contribute to temporary increases in noise levels in the immediate project vicinity during construction activities; however, Best Management Practices would be incorporated to ensure that impacts to nearby sensitive receptors remain less than significant. Therefore, the project would have no considerable contribution to cumulative noise impacts.

Population and Housing

The analysis provided in Section 4.14 related to Population and Housing found that no impacts would result; therefore, no cumulative impacts related to this topic would occur.

Public Services

The analysis provided in Section 4.15 related to Public Services found that impacts would be less than significant; therefore, while the proposed project would contribute to localized cumulative impacts, the contribution would not be cumulatively considerable.

Recreation

The analysis provided in Section 4.16 related to Recreation found that impacts would be less than significant; therefore, no cumulative impacts related to this topic would occur.

Traffic and Transportation

Traffic conditions were analyzed in Section 4.17 and found to be less than significant. The proposed project's contribution to cumulative impacts to local and regional transportation facilities would not be considerable.

Tribal Cultural Resources

The analysis provided in Section 4.18, the Historical/Archaeological Resources Survey, and consultation with the Yuhaaviatam of San Manuel Nation (YSMN), found that impacts to tribal cultural resources will be less than significant with adherence to the recommended Mitigation measures below. Mitigations for Cultural Resources include the following:

TCR-1 **Cultural Resources Monitoring and Treatment.** The Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed in CUL-1, of any pre-contact and/or historic-era cultural resources discovered during project implementation, and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with YSMN, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents YSMN for the remainder of the project, should YSMN elect to place a monitor on-site.

TCR-2 **Archaeological Documentation.** Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to YSMN. The Lead Agency and/or applicant shall, in good faith, consult with YSMN throughout the life of the project.

Utilities and Service Systems

The analysis provided in Section 4.19 related to Utilities and Service Systems found that impacts would be less than significant; therefore, while the project would contribute to localized or regional cumulative impacts, the project contribution would not be considerable.

Wildfire

The analysis provided in Section 4.20 related to Wildfire found that no impacts would result; therefore, no cumulative impacts related to this topic would occur.

c) Less than Significant Impact. The proposed project would not have environmental effects which would cause substantial adverse effects on humans, either directly or indirectly, as noted in the previous sections above.

AIR-1: During construction of the proposed project, the project contractor shall ensure all off-road diesel powered construction equipment of 50 horsepower or more used for the project is equipped with Level 3 diesel particulate filters or equivalent.

BIO-1: If vegetation removal is scheduled during the nesting season (typically February 1 to September 1), then a focused survey for active nests shall be conducted by a qualified biologist no more than five (5) days before the beginning of project-related activities (e.g., demolition, excavation, grading and vegetation removal). Surveys must be conducted in proposed work areas, staging and storage areas, and soil, equipment, and material stockpile areas. For passerines and small raptors, surveys must be conducted within a 250-foot radius surrounding the work area (in non-developed areas and where access is feasible). For larger raptors, such as those from the genus *Buteo*, the survey area must encompass a 500-foot radius. Surveys must be conducted by a qualified biologist during weather conditions suited to maximize the observation of possible nests and concentrate on areas of suitable habitat. If a lapse in project-related work of five days or longer occurs, an additional nest survey is required before work can be reinitiated. If nests are encountered during any preconstruction survey, a qualified biologist must determine if it may be feasible for construction to continue as planned without impacting the success of the nest, depending on conditions specific to each nest and the relative location and rate of construction activities. Any nest(s) within the project site shall be monitored by a qualified biologist during vegetation removal if work is occurring directly adjacent to the pre-determined no-work buffer. If the qualified biologist determines construction activities have potential to adversely affect a nest, the biologist will immediately inform the construction manager to halt construction activities within minimum exclusion buffer of 50 feet for songbird nests, and 200 to 500 feet for raptor nests, depending on species and location. Construction activities within the no-work buffer may proceed after a qualified biologist determines the nest is no longer active due to natural causes (e.g., young have fledged, predation or other non-anthropogenic nest failure).

CUL-1: In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed within TCR-1, regarding any pre-contact and/or historic-era finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

CUL-2: If significant pre-contact and/or historic-era cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to YSMN for review and comment, as detailed within TCR-1. The archaeologist shall monitor the remainder of the project and implement the Plan accordingly.

CUL-3: If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.

GEO-1: If paleontological materials are uncovered during grading or other earth moving activities, the contractor shall be required to halt work in the immediate area of the find, and to retain a professional paleontologist to examine the materials to determine whether it is a significant paleontological resource. If this determination is positive, the resource shall be left in place, if determined feasible by the project paleontologist. Otherwise, the scientifically consequential information shall be fully recovered by the paleontologist. Work may continue outside of the area of the find; however, no further work shall occur in the immediate location of the find until all information recovery has been completed and a report concerning it filed with the Community Development Director. The applicant shall bear the cost of implementing this mitigation.

HAZ-1 **Soil Testing.** Prior to issuance of a grading permit, representative soil sampling will be conducted onsite at depths of one and three feet and tested for organochlorine pesticides (OCPs) and heavy metals which may be present from past agricultural activities. The developer shall retain a qualified environmental professional (QEP) to design and supervise the sampling and testing. A final report shall be prepared summarizing the results of this testing and where onsite soils meet current industrial standards for sampled materials.

If the QEP determines that all onsite soil meets industrial standards, no further action is required. If onsite soils do not meet industrial standards, the QEP will work with the developer and grading contractor to determine how onsite soils can be mixed with clean offsite or imported soils to achieve the industrial standard for the entire site. The QEP, developer, and grading contractor shall also identify if or how much soil needs to be removed from the site. The collection and disposal of any excavated contaminated soils shall be in accordance with applicable hazardous materials regulations.

HAZ-2 **Soil Vapor Extraction (SVE) System.** Onsite SVE remediation activities began in September 2022 and were ongoing during preparation of the CEQA document. Two deep extraction wells (SVE-1 and SVE-2) are located on the northern and western portions of the site outside of the existing warehouse building. However, these wells would be impacted by development of the new warehouse project. Based on ongoing soil vapor monitoring, the existing SVE remediation activities will be completed by June 2023. These activities must be completed, and a final report submitted to the City prior to issuance of a grading permit for the new warehouse. Regulatory oversight and approval of this system will be at the discretion of the San Bernardino County Fire Department as the County's Certified Unified Program Agency (CUPA). If the CUPA declines to be the regulatory authority for this oversight, the applicant shall enter into a Voluntary Cleanup Program (VCP) with the California Department of Toxic Substances Control (DTSC). The applicant must document the site meets all applicable health standards for groundwater and soil per the appropriate regulatory authority discussed above before a grading permit can be issued. Additional details on the SVE system can be found in Roux's SVE Pilot Test Technical Memorandum dated January 4, 2023 and the DRAFT Construction Completion Report dated March 3, 2023.

Once it is documented that applicable health standards have been met by the existing SVE activities, they can be shut down and all wells and subsurface piping shall be removed from the site. Confirmatory soil vapor samples will then be used to conduct a post-remediation human health risk assessment (HHRA). If the post-remediation HHRA shows risk less than 1:1,000,000 ("one in a million new cancer deaths"), no additional

work associated with residual VOC concentrations is required (i.e., Mitigation Measure HAZ-3 is not required). If the post-remediation HHRA shows risk greater than 1:1,000,000 then the developer shall implement Mitigation Measure HAZ-3.

HAZ-3 **Vapor Intrusion Mitigation System (VIMS).** If the post-remediation HHRA outlined in HAZ-2 shows risk greater than 1:1,000,000, a passive sub-slab Vapor Intrusion Mitigation System (VIMS) shall be installed beneath the future warehouse building. The VIMS will generally consist of the following components (from bottom to top): (1) Gravel bed above the certified pad; (2) Horizontal perforated piping within the gravel bed to capture and convey residual vapors; (3) Spray-applied barrier above the gravel bed and below the building slab; and (4) Vertical risers to vent vapors to the atmosphere above the roof line.

If the VIMS is determined to be necessary, it shall be designed by a qualified professional engineer (P.E.) licensed in California. The VIMS design will be finalized prior to the start of building construction.

The VIMS system shall be designed to allow regular monitoring of vapor concentrations. After occupancy, monitoring shall be conducted and documented quarterly for the first year, semi-annually the second year, and annually thereafter for five years.

The installation and monitoring of the VIMS system shall be under the oversight of the City Engineering Department in consultation with the County Fire Department, Hazardous Materials Division as the Certified Unified program Agency (CUPA) for the County.

HAZ-4 **Soil Management Plan (SMP).** After remediation is complete and prior to grading and earth movement, a Soil Management Plan (SMP) shall be prepared to provide protocols and procedures if unexpected or unknown subsurface conditions are encountered at the project site. The SMP will be shared with all contractors involved with earth movement and import activities, if any. The SMP will identify parties to be contacted if unexpected or unknown conditions are encountered, including an environmental professional and regulatory agencies if necessary (e.g., if an underground storage tank is encountered).

TCR-1 **Cultural Resources Monitoring and Treatment.** The Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed in CUL-1, of any pre-contact and/or historic-era cultural resources discovered during project implementation and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with YSMN, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents YSMN for the remainder of the project, should YSMN elect to place a monitor on-site.

TCR-2 **Archaeological Documentation.** Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to YSMN. The Lead Agency and/or applicant shall, in good faith, consult with YSMN throughout the life of the project.

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6 References

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AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

301 TENNESSEE STREET
INDUSTRIAL PROJECT

REDLANDS, CALIFORNIA

LSA

January 2023

AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

301 TENNESSEE STREET INDUSTRIAL PROJECT

REDLANDS, CALIFORNIA

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January 2023

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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AB	Assembly Bill
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BTU	British Thermal Units
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CARB	California Air Resources Board
CAT	California Climate Action Team
CBC	California Building Code
CBSC	California Building Standards Commission
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Redlands
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of San Bernardino

CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC	California Emissions Factor Model
EO	Executive Order
GCC	global climate change
GHG	greenhouse gas
GWh	gigawatt-hours
GWP	global warming potential
HFCs	hydrofluorocarbons
HI	Hazard Index
HRA	Health Risk Assessment
HVAC	Heating, Ventilation and Air Conditioning
IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hour
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LST	localized significance thresholds
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MMT	million metric tons
MMT CO_2e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
MT CO_2e/yr	metric tons of carbon dioxide equivalent per year
N_2O	nitrous oxide

NAAQS	National Ambient Air Quality Standards
ND	no data available
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OPR	Governor's Office of Planning and Research
Pb	lead
PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
project	301 Tennessee Street Industrial Project
RCP	Regional Comprehensive Plan
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SAFE	Safer, Affordable, Fuel-Efficient (Vehicles)
SANBAG	San Bernardino Associated Governments
SB	Senate Bill
SBCOG	San Bernardino Council of Governments
SBCTA	San Bernardino County Transportation Authority
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District

SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides
SoCalGas	Southern California Gas Company
sq ft	square foot/feet
sq mi	square mile
SRA	Source Receptor Area
SWPPP	stormwater pollution prevention plan
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
ZEV	zero-emission vehicle
ZNE	zero net energy

INTRODUCTION

This air quality, health risk, energy, and greenhouse gas (GHG) impact report has been prepared to evaluate the potential air quality and GHG emissions impacts associated with the 301 Tennessee Street Industrial Project (project) in the City of Redlands (City), California. This report follows the guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its *California Environmental Quality Act (CEQA) Air Quality Handbook*, and associated updates. In keeping with these guidelines, this analysis describes existing air quality, air quality and GHG emissions generated from project-related sources, regional air pollution, and global climate change. In addition, this analysis discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

PROJECT LOCATION AND DESCRIPTION

The proposed project is located at 301 Tennessee Street in the City of Redlands, San Bernardino County, California. The project site encompasses two parcels (Assessor's Parcel Numbers 0292-192-11-000 and 0292-192-14-0000), which total approximately 10.98 acres. The project site is currently developed with an existing 193,469-square-foot (sq ft) manufacturing warehouse and a single-family residence. The project would be accessible via four driveways; two would be located on Tennessee Street, one on West State Street, and one on Kansas Street. See Figure 1, Project Location, and Vicinity, and Figure 2, Project Site Plan, below.

The proposed project would consist of 197,397 sq ft of industrial warehouse facility (with 10 percent cold storage), including an office, landscaping, parking, and other site improvements. The project would include a total of 267 passenger parking spaces including electric vehicle, vanpool, and accessible spaces. The project would also provide 25 loading docks. In addition, the proposed project would have approximately 84,845 sq ft of ornamental landscaping that would cover 18 percent of the site. The project would be consistent with the City's General Plan and Zoning Ordinance and therefore would not require a change to the General Plan land use designation or the zoning code. The proposed project would be Leadership in Energy and Environmental Design (LEED) certified.

Typical operational characteristics include employees traveling to and from the site, delivery of products to the site, and truck loading and unloading. The project is assumed to operate 24 hours per day, 7 days per week; however, this may shift depending on the tenant, as the hours of operation are currently unknown.



LSA

LEGEND

Project Location

FIGURE 1

N

0 500 1000

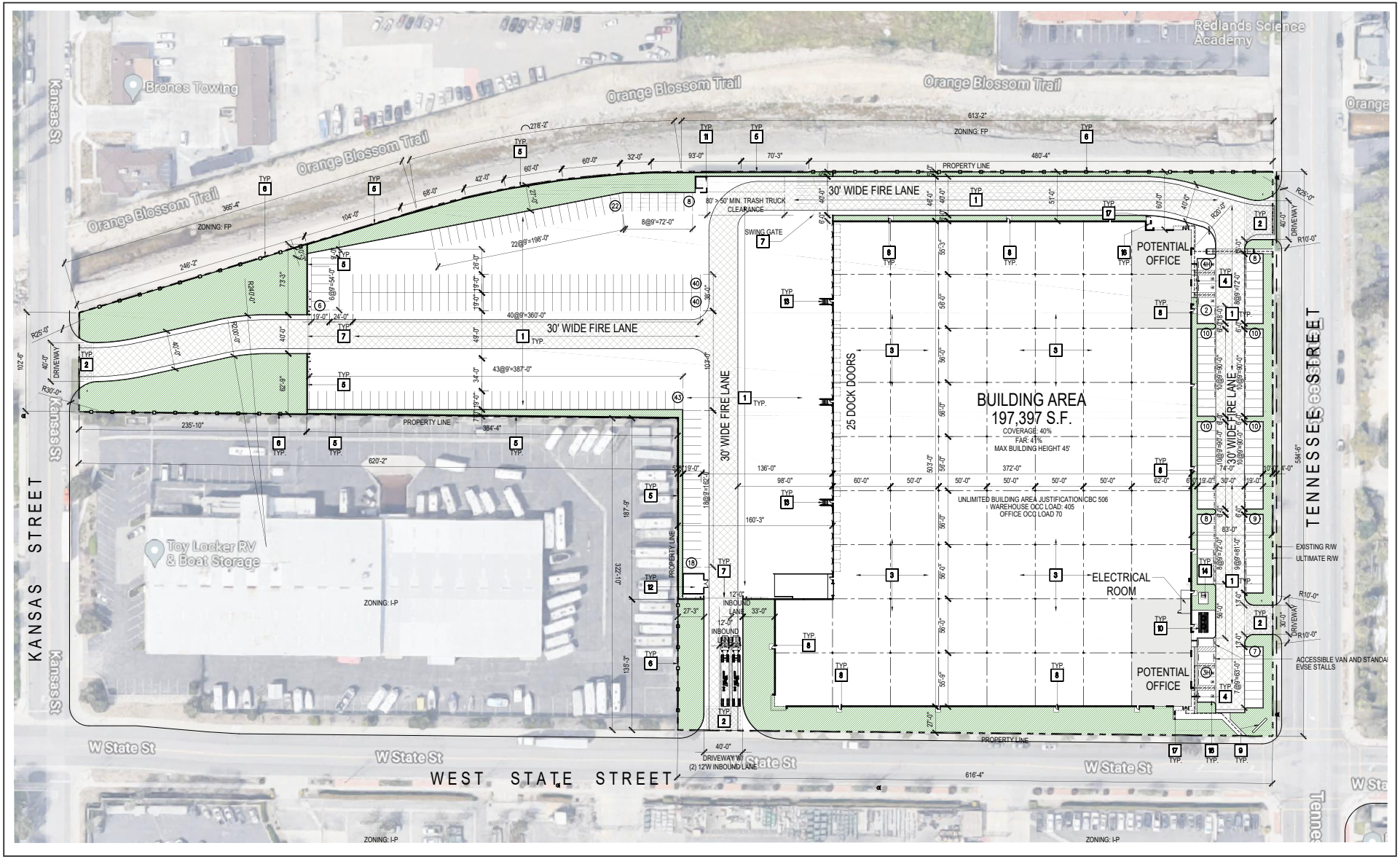
FEET

SOURCE: ArcGIS Online Topographic Map (2020)

I:\ESL2201.41\GIS\MXD\Project_Location.mxd (11/15/2022)

Tennessee Warehouse

Regional Project Location



LSA

FIGURE 2

0 80 160

FEET

SOURCE: LHA

Tennessee Warehouse

Site Plan

I:\ESL2201.41\G\Site_Plan.ai (12/8/2022)

Based on the project's *Focused Traffic Analysis,* [1] existing conditions typically generate approximately 928 average daily trips and the proposed project would generate a total of approximately 961 average daily trips, including 680 passenger vehicle trips, 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips, including 96 average daily trips associated with the cold storage uses and 865 average daily trips associated with the non-cold storage uses.

Construction activities for the project would occur over one phase and include demolition, site preparation, grading, building construction, paving, and architectural coatings. Construction would be anticipated to begin in June 2023 and end in May 2024. Based on the preliminary grading plans, the project would require approximately 23,154 cubic yards of soil import.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of the population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses that are sensitive to air quality. Impacts on sensitive receptors are of particular concern because those receptors are the population most vulnerable to the effects of air pollution.[2] The project site is surrounded primarily by general industrial facilities. The areas adjacent to the project site include the following uses: commercial shopping center to the north, industrial uses to the west and south, and undeveloped and graded land used for parking to the east.

The closest sensitive receptor to the project site is Redlands Adventist Academy Kindergarten and Kids Care, located approximately 275 feet southeast of the project site. southern boundary opposite West State Street. Other sensitive receptors include Redlands Christian Middle School, located approximately 380 feet from the project site, and Arrowhead Christian Academy Upper School, located approximately 715 feet south of the project site, and Redlands Apartments located approximately 900 feet southeast from the project site southern boundary. There are no other sensitive receptors located within 1,000 feet of the project site.

1 Environment Planning Development Solutions, Inc. 2022. *Measure U Focused Traffic Analysis*. Decembeer 5.

2 SCAQMD. 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed November 2022).

BACKGROUND

This section provides current background information on air pollutants and GHG emissions and their health effects. It also provides a description of the general health risks of toxics. In addition, this section provides background information on energy usage in the project area and provides regulatory background information, including federal, State, and local energy regulations.

AIR POLLUTANTS AND HEALTH EFFECTS

Both State and federal governments have established health-based ambient air quality standards (California Ambient Air Quality Standards [CAAQS] and National Ambient Air Quality Standards [NAAQS], respectively) for six criteria air pollutants:[3] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the Basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no known direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and volatile organic compounds (VOCs).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous outdoor work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

[3] Criteria pollutants are defined as those pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

Ozone

Rather than being directly emitted, ozone (smog) is formed by photochemical reactions between NO_X and VOC. Ozone is a pungent, colorless gas. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children. Ozone levels peak during the summer and early fall months.

Carbon Monoxide

CO is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. CO passes through the lungs into the bloodstream, where it interferes with the transfer of oxygen to body tissues.

Particulate Matter

Particulate matter is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are 10 microns or less in diameter, or PM_{10}. Fine, suspended particulate matter with an aerodynamic diameter of 2.5 microns or less, or $PM_{2.5}$, is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM_{10} and $PM_{2.5}$. These small particles can be directly emitted into the atmosphere as byproducts of fuel combustion; through abrasion, such as tire or brake lining wear; or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Nitrogen Dioxide

NO_2 is a reddish brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO_2. Aside from its contribution to ozone formation, NO_2 also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO_2 may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO_2 decreases lung function and may reduce resistance to infection.

Sulfur Dioxide

SO_2 is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO_2 levels in the region. SO_2 irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight.

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in animals.

Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter ($\mu g/m^3$). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

VOCs (also known as reactive organic gases [ROGs] and reactive organic compounds [ROCs]) are formed from the combustion of fuels and the evaporation of organic solvents. VOCs are not defined as criteria pollutants, however, because VOCs accumulate in the atmosphere more quickly during the winter, when sunlight is limited and photochemical reactions are slower, they are a prime component of the photochemical smog reaction. There are no attainment designations for VOCs.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are injurious in small quantities and are regulated by the USEPA and the CARB. Some examples of TACs include benzene, butadiene, formaldehyde, and hydrogen sulfide. The identification, regulation, and monitoring of TACs is relatively recent compared to that for criteria pollutants.

TACs do not have ambient air quality standards, but are regulated by the USEPA, CARB, and the SCAQMD. In 1998, the CARB identified particulate matter from diesel-fueled engines as a TAC. The CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.[4] High-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (e.g., distribution centers and truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high-volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter (DPM) is emitted from mobile sources—primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as "on-road" sources such as trucks and buses traveling on freeways and local roadways.

Although not specifically monitored, recent studies indicate that exposure to diesel particulate matter may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[5] The technology for reducing DPM emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to

[4] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

[5] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

regulate engines and emission control systems to reduce and remediate diesel emissions. The CARB anticipated that by 2020, average statewide DPM concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[6] meaning that the statewide health risk from DPM is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

Table A summarizes the sources and health effects of air pollutants discussed in this section. Table B presents a summary of CAAQS and NAAQS.

Table A: Sources and Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	• Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust • Natural events, such as decomposition of organic matter	• Reduced tolerance for exercise • Impairment of mental function • Impairment of fetal development • Death at high levels of exposure • Aggravation of some heart diseases (angina)
Nitrogen Dioxide (NO_2)	• Motor vehicle exhaust • High temperature stationary combustion • Atmospheric reactions	• Aggravation of respiratory illness • Reduced visibility • Reduced plant growth • Formation of acid rain
Ozone (O_3)	• Atmospheric reaction of organic gases with nitrogen oxides in sunlight	• Aggravation of respiratory and cardiovascular diseases • Irritation of eyes • Impairment of cardiopulmonary function • Plant leaf injury
Lead (Pb)	• Contaminated soil	• Impairment of blood functions and nerve construction • Behavioral and hearing problems in children
Suspended Particulate Matter ($PM_{2.5}$ and PM_{10})	• Stationary combustion of solid fuels • Construction activities • Industrial processes • Atmospheric chemical reactions	• Reduced lung function • Aggravation of the effects of gaseous pollutants • Aggravation of respiratory and cardiorespiratory diseases • Increased cough and chest discomfort • Soiling • Reduced visibility
Sulfur Dioxide (SO_2)	• Combustion of sulfur-containing fossil fuels • Smelting of sulfur-bearing metal ores Industrial processes	• Aggravation of respiratory diseases (asthma, emphysema) • Reduced lung function • Irritation of eyes • Reduced visibility • Plant injury • Deterioration of metals, textiles, leather, finishes, coatings, etc.

Source: California Air Resources Board (2015).

6 Ibid.

Table B: Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]		Federal Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Ozone (O_3)[h]	1-Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[i]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[i]	24-Hour	-		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³		
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m³)	–	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m³)		35 ppm (40 mg/m³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[j]	Annual Arithmetic Mean	0.03 ppm (57 µg/m³)	Gas Phase Chemi-luminescence	53 ppb (100 µg/m³)	Same as Primary Standard	Gas Phase Chemi-luminescence
	1-Hour	0.18 ppm (339 µg/m³)		100 ppb (188 µg/m³)	-	
Lead (Pb)[l,m]	30-Day Average	1.5 µg/m³	Atomic Absorption	–	–	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[l]	Same as Primary Standard	
	Rolling 3-Month Average[i]	–		0.15 µg/m³		
Sulfur Dioxide (SO_2)[k]	24-Hour	0.04 ppm (105 µg/m3)	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3-Hour	–		–	0.5 ppm (1300 µg/m³)	
	1-Hour	0.25 ppm (655 µg/m³)		75 ppb (196 µg/m³)[k]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[k]	–	
Visibility-Reducing Particles[l]	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No Federal Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[j]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Source: California Air Resources Board (2016) (Website: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf).

Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24- hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[l] The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius
µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
mg/m^3 = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2020, California's electricity was generated primarily by natural gas (37.06 percent), renewable sources (33.09 percent), large hydroelectric (12.21 percent), nuclear (9.33 percent), coal (2.74 percent), and other and unspecified sources. Total electric generation in California in 2020 was 272,576 gigawatt-hours (GWh), down 2 percent from the 2019 total generation of 277,704 GWh.[7]

The project site is within the service territory of Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile (sq mi) area of Central, Coastal, and Southern California.[8] According to the California Energy Commission (CEC), total electricity consumption in the SCE service area in 2020 was 83,532.6 GWh (32,475 GWh for the residential sector and 51,057 GWh for the non-residential sector). Total electricity consumption in San Bernardino County in 2020 was 15,968.5 GWh (15,968,515,536 kilowatt-hours (kWh).[9]

Natural Gas

Natural gas is a non-renewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.[10]

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7 California Energy Commission (CEC). 2021a. *2020 Total System Electric Generation*. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation (accessed November 2022).

8 Southern California Edison (SCE). 2020. About Us. Website: https://www.sce.com/about-us/who-we-are (accessed November 2022).

9 CEC. 2020b. Electricity Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/elecbycounty.aspx and http://www.ecdms.energy.ca.gov/elecbyutil.aspx (accessed November 2022).

10 CEC. 2021d. Supply and Demand of Natural Gas in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california (accessed November 2022).

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[11] According to the CEC, total natural gas consumption in the SoCalGas service area in 2020 was 5,231 million therms (2,426 million therms for the residential sector). Total natural gas consumption in San Bernardino County in 2020 was 527 million therms (527,236,428 therms).[12]

Fuel

Petroleum is also a non-renewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.9 mpg in 2020.[13] Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. The Act, which originally mandated a national fuel economy standard of 35 mpg by year 2020[14], applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the USEPA and National Highway Traffic Safety Administration (NHTSA) finalized the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and sport utility vehicles. According to the most recent data available, total gasoline consumption in California was 289,918 thousand barrels or 1,464.7 trillion British Thermal Units (BTU) in 2020.[15] Of the total gasoline consumption, 273,289 thousand barrels or 1,380.7 trillion BTU were consumed for transportation Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 321.6 million gallons of diesel and approximately 915.5 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022.

11 Southern California Gas Company (SoCalGas). 2020. About SoCalGas. Website: https://www3.socalgas.com/about-us/company-profile (accessed November 2022).

12 CEC. 2020c. Gas Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/gasbycounty.aspx and http://www.ecdms.energy.ca.gov/gasbyutil.aspx (accessed November 2022).

13 U.S. Department of Transportation (USDOT). "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.dot.gov/bts/bts/content/average-fuel-efficiency-us-light-duty-vehicles (accessed November 2022).

14 U.S. Department of Energy. 2007. "Energy Independence & Security Act of 2007." Website: https://www.afdc.energy.gov/laws/eisa (accessed November 2022).

15 A British Thermal Unit is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.

GREENHOUSE GASES AND GLOBAL CLIMATE CHANGE

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.[16]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- CO_2
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6 are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric

[16] The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

lifetime"). The GWP of each gas is measured relative to carbon dioxide, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e). Table C shows the GWP for each type of GHG. For example, SF_6 is 23,900 times more potent at contributing to global warming than CO_2.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	21
Nitrous Oxide	120	310
HFC-23	260	11,700
HFC-134a	1	140
HFC-152a	1	140
PFC: Tetrafluoromethane (CF_4)	50,000	6,500
PFC: Hexafluoromethane (C_2F_6)	10,000	9,200
Sulfur Hexafluoride (SF_6)	3,200	23,900

Source: *Second Update to the Climate Change Scoping Plan: Building on the Framework* (CARB 2017). Website: www.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2017-scoping-plan-documents (accessed November 2022).

The following discussion summarizes the characteristics of the six GHGs and black carbon.

Carbon Dioxide

In the atmosphere, carbon generally exists in its oxidized form, as CO_2. Natural sources of CO_2 include the respiration (breathing) of humans, animals and plants, volcanic out gassing, decomposition of organic matter and evaporation from the oceans. Human caused sources of CO_2 include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO_2 each year, far outweighing the 7 billion tons of man-made emissions of CO_2 each year. Nevertheless, natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of man-made CO_2, and consequently, the gas is building up in the atmosphere.

In 2019, total annual CO_2 accounted for approximately 83 percent of California's overall GHG emissions.[17] Transportation is the single largest source of CO_2 in California, which is primarily comprised of on-road travel. Electricity production, industrial and residential sources also make important contributions to CO_2 emissions in California.

Methane

Methane is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH_4 emissions in California and in the United States

[17] CARB. 2021. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed November 2022).

as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH_4 in California. Total annual emissions of CH_4 accounted for approximately 9 percent of GHG emissions in California.[18]

Nitrous Oxide

Nitrous oxide is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N_2O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N_2O emissions in California. Nitrous oxide emissions accounted for approximately 3 percent of GHG emissions in California in 2019.[19]

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

HFCs are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.[20] PFCs and SF_6 are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. HFCs, PFCs, and SF_6 accounted for about 5 percent of GHG emissions in California in 2019.[21]

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of $PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[22] Black carbon contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

Most U.S. emissions of black carbon come from mobile sources (52 percent), particularly from diesel-fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires,

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18 CARB. 2021. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed November 2022).

19 Ibid.

20 The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

21 CARB. 2021, op. cit.

22 U.S. Environmental Protection Agency (USEPA). 2015. Black Carbon, Basic Information. February 14, 2017. Website: 19january2017snapshot.epa.gov/www3/airquality/blackcarbon/basic.html (accessed November 2022).

although residential heating and industry also contribute. The CARB estimates that the annual black carbon emissions in California will be reduced approximately 50 percent below 2013 levels by 2030.[23]

Effects of Global Climate Change

Effects from global climate change may arise from temperature increases, climate-sensitive diseases, extreme weather events, and air quality. There may be direct temperature effects through increases in average temperature leading to more extreme heat waves and less extreme cold spells. Those living in warmer climates are likely to experience more stress and heat-related problems. Heat-related problems include heat rash and heat stroke. In addition, climate-sensitive diseases may increase, such as those spread by mosquitoes and other disease-carrying insects. Such diseases include malaria, dengue fever, yellow fever, and encephalitis. Extreme events such as flooding and hurricanes can displace people and agriculture. Global climate change may also contribute to air quality problems from increased frequency of smog and particulate air pollution.[24]

Additionally, according to the 2006 California Climate Action Team (CAT) Report,[25] the following applicable climate change effects, which are based on trends established by the United Nations Intergovernmental Panel on Climate Change (IPCC), can be expected in California over the course of the next century:

- The loss of sea ice and mountain snow-pack, resulting in higher sea levels and higher sea surface evaporation rates with a corresponding increase in tropospheric water vapor due to the atmosphere's ability to hold more water vapor at higher temperatures.[26]
- Rise in global average sea level, primarily due to thermal expansion and melting of glaciers and ice caps in the Greenland and Antarctic ice sheets.[27]
- Changes in weather that include widespread changes in precipitation, ocean salinity, wind patterns, and more energetic aspects of extreme weather, including droughts, heavy precipitation, heat waves, extreme cold, and the intensity of tropical cyclones.[28]
- Decline of the Sierra snowpack, which accounts for approximately one-half of the surface water storage in California by 70 percent to as much as 90 percent over the next 100 years.[29]

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23 CARB. 2017. *Short-Lived Climate Pollutant Reduction Strategy.* March. Website: https://ww2.arb.ca.gov/sites/default/files/2020-07/final_SLCP_strategy.pdf (accessed November 2022).

24 USEPA. 2016. Climate Impacts on Human Health. April. Website: https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-human-health_.html, last updated on February 24, 2017 (accessed November 2022).

25 California Environmental Protection Agency (CalEPA). 2006. *Climate Action Team Report to Governor Schwarzenegger and the Legislature*. March.

26 Ibid.

27 Ibid.

28 Intergovernmental Panel on Climate Change (IPCC). 2007. *Climate Change 2007: The Physical Science Basis, Summary for Policymakers*. February.

29 CalEPA. 2006, op. cit.

- Increase in the number of days conducive to O_3 formation by 25–85 percent (depending on the future temperature scenario) in high O_3 areas by the end of the 21st century.[30]
- High potential for erosion of California's coastlines and seawater intrusion into the Delta and levee systems due to the rise in sea level.[31]

A summary of these potential effects is identified in Table D.

Table D: Potential Impacts of Global Warming and Expected Consequences for California

Potential Water Resource Impacts	Anticipated Consequences Statewide
Reduction of the State's average annual snowpack	• Specifically, the decline of the Sierra snowpack would lead to a loss in half of the surface water storage in California by 70% to 90% over the next 100 years • Potential loss of 5 million acre-feet or more of average annual water storage in the State's snowpack • Increased challenges for reservoir management and balancing the competing concerns of flood protection and water supply • Higher surface evaporation rates with a corresponding increase in tropospheric water vapor
Rise in average sea level	• Potential economic impacts related to coastal tourism, commercial fisheries, coastal agriculture, and ports • Increased risk of flooding, coastal erosion along the State's coastline, seawater intrusion into the Delta and levee systems
Changes in weather	• Changes in precipitation, ocean salinity, and wind patterns • Increased likelihood for extreme weather events, including droughts, heavy precipitation, heat waves, extreme cold, and the intensity of tropical cyclones
Changes in the timing, intensity, location, amount, and variability of precipitation	• Potential increased storm intensity and increased potential for flooding • Possible increased potential for droughts • Long-term changes in vegetation and increased incidence of wildfires • Changes in the intensity and timing of runoff • Possible increased incidence of flooding and increased sedimentation • Sea level rise and inundation of coastal marshes and estuaries • Increased potential for salinity intrusion into coastal aquifers (groundwater) • Increased potential for flooding near the mouths of rivers due to backwater effects
Increased water temperatures	• Increased environmental water demand for temperature control • Possible increased problems with foreign invasive species in aquatic ecosystems • Potential adverse changes in water quality, including the reduction of dissolved oxygen levels • Possible critical effects on listed and endangered aquatic species
Changes in urban and agricultural water demand	• Changes in demand patterns and evapotranspiration
Increase in the number of days conducive to O_3 formation	• Increased temperatures • Potential health effects, including adverse impacts to respiratory systems

Source: United States Department of the Interior, Environmental Water Account, Draft Supplemental EIS/EIR to the Environmental Water Account Final EIS/EIR, Bureau of Reclamation Mid-Pacific Region, Sacramento, California (October 2007).
EIR = Environmental Impact Report
EIS = Environmental Impact Statement
O_3 = ozone

30 CalEPA. 2006, op. cit.
31 Ibid.

REGULATORY SETTING

AIR QUALITY REGULATIONS

The USEPA and the CARB regulate direct emissions from motor vehicles. The SCAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

Federal Regulations

Federal Clean Air Act

The 1970 federal Clean Air Act (CAA) authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the Clean Air Act, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

State Regulations

California Clean Air Act

In 1988, the California Clean Air Act (CCAA) required that all air districts in the State endeavor to achieve and maintain CAAQS for CO, O_3, SO_2, and NO_2 by the earliest practical date. The California Clean Air Act provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

On May 7, 2021, the South Coast AQMD Governing Board adopted Rule 2305, known as the Warehouse Indirect Source Rule (ISR). The rule requires warehouses greater than 100,000 square feet to directly reduce NO_x and DPM emissions, or to otherwise reduce emissions and exposure of these pollutants in nearby communities.

Warehouses are a key destination for heavy-duty trucks and have other sources of emissions like cargo handling equipment, all of which contribute to local pollution, including toxic emissions, to the communities that live near them. Emissions from sources associated with warehouses account for almost as much NO_x emissions as all the refineries, power plants and other stationary sources in the South Coast Air Basin combined. Those living within a half mile of warehouses are more likely to include communities of color, have higher rates of asthma and heart attacks, and a greater environmental burden. The warehouse rule is expected to reduce smog-forming emissions by 10 to 15 percent from warehouse-related sources.

As part of the rule, warehouse operators will need to earn a specified number of points annually. These points can be earned by completing actions from a menu that includes acquiring and using natural gas near-zero and/or zero-emission on-road trucks, zero-emission cargo handling equipment, solar panels or zero-emission charging and fueling infrastructure and more. As alternatives to the points system, warehouse operators can prepare and implement a custom plan specific to their site or choose to pay a mitigation fee. Funds from mitigation fees will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities near the warehouse that paid the mitigation fee.

The proposed project could be subject to the following additional SCAQMD rules and regulations:

- **Regulation IV - Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events.
    - **Rule 402 - Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.

- **Rule 403 - Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.

- **Regulation XI - Source Specific Standards:** Regulation XI sets emissions standards for different sources.

  - **Rule 1113 - Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.

The SCAQMD is responsible for demonstrating regional compliance with ambient air quality standards but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[32]

SCAQMD approved the 2016 AQMP on March 3, 2017, and submitted the plan to CARB on March 10, 2017. Key elements of the 2016 AQMP include the following:

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation)

- A strategy with fair-share emission reductions at the federal, State, and local levels

- Investment in strategies and technologies meeting multiple air quality objectives

- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies

[32] SCAQMD. 2016. *Final 2016 Air Quality Management Plan*. March.

- Enhanced socioeconomic assessment, including an expanded environmental justice analysis
- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on "black box" future technology (CAA Section 182(e)(5) measures)

The SCAQMD is currently preparing the 2022 AQMP, which will address the requirements for meeting the 2015 O_3 standard. A Control Measures Workshop was held on November 10, 2021, to provide an overview of the control measures and strategies that are being developed/considered for the 2022 AQMP. The control measures include updated 2016 AQMP control measures and new control measures related to area, mobile, and stationary sources.

Southern California Association of Governments

SCAG is a council of governments for Los Angeles, Orange, Riverside, San Bernardino, Imperial, and Ventura Counties. It is a regional planning agency and serves as a forum for regional issues relating to transportation, the economy and community development, and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With regard to air quality planning, SCAG prepares the Regional Transportation Plan (RTP) and Regional Transportation Improvement Program (RTIP), which address regional development and growth forecasts and form the basis for the land use and transportation control portions of the AQMP and are utilized in the preparation of the air quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on projections originating within local jurisdictions.

Although SCAG is not an air quality management agency, it is responsible for developing transportation, land use, and energy conservation measures that affect air quality. SCAG's Regional Comprehensive Plan (RCP) provides growth forecasts that are used in the development of air quality-related land use and transportation control strategies by the SCAQMD. The RCP is a framework for decision-making for local governments, assisting them in meeting federal and State mandates for growth management, mobility, and environmental standards, while maintaining consistency with regional goals regarding growth and changes. Policies within the RCP include consideration of air quality, land use, transportation, and economic relationships by all levels of government.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Connect SoCal) on September 3, 2020. Connect SoCal is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal is an important planning document for the region, allowing project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in Connect SoCal, would reach

the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Redlands General Plan

Air quality is addressed in the Healthy Community Element of the City of Redlands General Plan.[33] The Healthy Community Element includes policies and implementing actions that aim to protect air quality within the City, promote a diverse and efficient transportation system that generates the minimum amount of pollutants, reduce vehicle miles traveled, cooperate to expand mass transit, and protect sensitive receptors from exposure to hazardous air pollutants. The following policies from the General Plan would be applicable to the proposed project:

- Provide, whenever possible, incentives for carpooling, flex time, shortened work weeks, telecommuting, and other means of reducing vehicular miles traveled.
- Ensure that construction and grading projects minimize short-term impacts to air quality:
    - Require grading projects to provide a stormwater pollution prevention plan (SWPPP) in compliance with City requirements, which include standards for best management practices (BMPs) that control pollutants from dust generated by construction activities and those related to vehicle and equipment cleaning, fueling, and maintenance;
    - Require grading projects to undertake measures to minimize mono-nitrogen oxides (NO_X) emissions from vehicle and equipment operations; and
    - Monitor all construction to ensure that proper steps are implemented.
- Enforce regulations to prevent trucks from excessive idling in residential areas.

ENERGY REGULATORY SETTING

Federal and State agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation (USDOT), the United States Department of Energy, and the USEPA are three federal agencies with substantial influence over energy policies and programs. Generally, federal agencies influence and regulate transportation energy consumption through establishment and enforcement of fuel economy standards for automobiles and light trucks, through funding of energy-related research and development projects, and through funding for transportation infrastructure improvements. On the State level, the California Public Utilities Commission (CPUC) and the CEC are two agencies with authority over different aspects of energy.

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies and serves the public interest by protecting

[33] Redlands, City of. 2017. *City of Redlands General Plan 2035 Healthy Community Element*. December. Website: 07_healthy_community_low.pdf (cityofredlands.org) (accessed November 2022).

consumers and ensuring the provision of safe, reliable utility service and infrastructure at reasonable rates, with a commitment to environmental enhancement and a healthy California economy.

The CEC is the State's primary energy policy and planning agency. The CEC forecasts future energy needs, promotes energy efficiency, supports energy research, develops renewable energy resources, and plans for/directs state response to energy emergencies. The applicable federal, State, regional, and local regulatory framework is discussed below.

Federal Regulations

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under this Act, consumers and businesses can obtain federal tax credits for purchasing fuel-efficient appliances and products (including hybrid vehicles), building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

Safer Affordable Fuel-Efficient Vehicles Rule

On March 21, 2020, the USEPA and NHTSA finalized the SAFE Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks (SAFE Vehicles Rule). The SAFE Vehicles Rule amends certain existing corporate average fuel economy (CAFE) and tailpipe CO_2 emissions standards for passenger cars and light trucks and establishes new standards, all covering model years 2021 through 2026. More specifically, the NHTSA set new CAFE standards for model years 2022 through 2026 and amended its 2021 model year CAFE standards, and the USEPA amended its CO_2 emissions standards for model years 2021 and later.

The current administration withdrew portions of the SAFE Rule, concluding that the SAFE Rule overstepped the agency's legal authority and finalized updated CAFE Standards for model years 2024 through 2026. The final rule establishes standards that would require an industry-wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8 percent annually for model years 2024 and 2025, and 10 percent annually for model years 2026. The agency projects the final standards will save consumers nearly $1,400 in total fuel expenses over the lifetimes of vehicles produced in these model years and avoid the consumption of about 234 billion gallons of gas between model years 2030 to 2050. The NHTSA also projects that the standards will cut greenhouse gases from the atmosphere, reduce air pollution, and reduce the country's dependence on oil.

State Regulations

Assembly Bill 1575, Warren-Alquist Act

In 1975, largely in response to the oil crisis of the 1970s, the State Legislature adopted AB 1575 (also known as the Warren-Alquist Act), which created the CEC. The statutory mission of the CEC is to forecast future energy needs; license power plants of 50 megawatts (MW) or larger; develop energy

technologies and renewable energy resources; plan for and direct State responses to energy emergencies; and, perhaps most importantly, promote energy efficiency through the adoption and enforcement of appliance and building energy efficiency standards. AB 1575 also amended Public Resources Code (PRC) Section 21100(b)(3) and *State CEQA Guidelines* Section 15126.4 to require Environmental Impact Reports (EIRs) to include, where relevant, mitigation measures proposed to minimize the wasteful, inefficient, and unnecessary consumption of energy caused by a project. Thereafter, the State Resources Agency created Appendix F to the *State CEQA Guidelines*. Appendix F assists EIR preparers in determining whether a project will result in the inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the *State CEQA Guidelines* also states that the goal of conserving energy implies the wise and efficient use of energy and the means of achieving this goal, including (1) decreasing overall per capita energy consumption; (2) decreasing reliance on fossil fuels such as coal, natural gas, and oil; and (3) increasing reliance on renewable energy sources.

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the *2021 Integrated Energy Policy Report*[34] and the *2022 Integrated Energy Policy Report Update.*[35] The *Integrated Energy Policy Report* covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The *Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017;

[34] CEC. 2021. *2021 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 21-IEPR-01.

[35] CEC. 2022. *2020 Integrated Energy Policy Report Update*. California Energy Commission. Docket Number: 22-IEPR-01.

however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[36]

Title 24, California Building Code

Energy consumption by new buildings in California is regulated by the Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations (CCR), known as the California Building Code (CBC). The CEC first adopted the Building Energy Efficiency Standards for Residential and Non-residential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in the State. The CBC is updated every 3 years, and the current 2019 CBC went into effect on January 1, 2020. The efficiency standards apply to both new construction and rehabilitation of both residential and non-residential buildings, and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and enforce energy standards for new buildings, provided these standards meet or exceed those provided in CCR Title 24.

California Green Building Standards Code (CALGreen Code)

In 2010, the California Building Standards Commission (CBSC) adopted Part 11 of the Title 24 Building Energy Efficiency Standards, referred to as the California Green Building Standards Code (CALGreen Code). The CALGreen Code took effect on January 1, 2011. The CALGreen Code is updated on a regular basis, with the most recent update consisting of the 2019 CALGreen Code standards that became effective January 1, 2020. The next set of standards will be adopted in 2022 and apply to projects seeking building permits on or after January 1, 2023. The CALGreen Code established mandatory measures for residential and non-residential building construction and encouraged sustainable construction practices in the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. Although the CALGreen Code was adopted as part of the State's efforts to reduce GHG emissions, the CALGreen Code standards have co-benefits of reducing energy consumption from residential and non-residential buildings subject to the standard.

California Energy Efficiency Strategic Plan.

On September 18, 2008, the CPUC adopted California's first Long-Term Energy Efficiency Strategic Plan, presenting a roadmap for energy efficiency in California. The Strategic Plan was subsequently updated in January 2011 to include a lighting chapter. This comprehensive plan for 2009-2020 is the State's first integrated framework of goals and strategies for saving energy, covering government,

[36] California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed November 2022).

utility, and private sector actions. The Plan articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term, and long-term strategies to assist in achieving those goals. The Plan also reiterates the following four specific programmatic goals known as the "Big Bold Energy Efficiency Strategies" that were established by the CPUC in Decisions D.07-10-032 and D.07-12-051:

- All new residential construction will be zero net energy (ZNE) by 2020;
- All new commercial construction will be ZNE by 2030;
- Heating, Ventilation and Air Conditioning (HVAC) will be transformed to ensure that its energy performance is optimal for California's climate; and
- All eligible low-income customers will be given the opportunity to participate in the low-income energy efficient program by 2020.

Regional Regulations

There are no regional regulations that apply to the proposed project.

Local Regulations

City of Redlands General Plan

Energy is addressed in the Sustainable Community Element in the City of Redlands General Plan.[37] The Sustainable Community Element includes goals, policies, and implementing actions that serve as an environmental steward and ensure that residents enjoy clean air and water, make efficient use of energy, water, and land resources, and grow in a manner in which increased population does not negatively impact resources. The following goals and policies from the General Plan would be applicable to the proposed project:

- Support San Bernardino County and San Bernardino Associated Governments (SANBAG) in implementation of their energy related policies;
- Encourage the use of construction, roofing materials, and paving surfaces with solar reflectance and thermal emittance values per the California Green Building Code (Title 24, Part 11 of the California Code of Regulations) to minimize heat island effects;
- Integrate trees and shade into the built environment to mitigate issues such as stormwater runoff and the urban heat island effect; and
- Support energy resiliency through a diversified system of energy sources including zero and near-zero emission technologies.

[37] Redlands, City of. 2017. *City of Redlands General Plan 2035 Sustainable Community Element.* December. Website: 08_sustainability_low.pdf (cityofredlands.org) (accessed November 2022).

GLOBAL CLIMATE CHANGE REGULATORY SETTING

This section describes regulations related to Global Climate Change at the federal, State, and local level.

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change.

This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

In October 2012, the USEPA and the NHTSA, on behalf of the U.S. Department of Transportation, issued final rules to further reduce GHG emissions and improve the CAFE standards for light-duty vehicles for model years 2017 and beyond (77 *Federal Register* 62624). The NHTSA's CAFE standards have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon, limiting vehicle emissions to 163 grams of CO_2 per mile for the fleet of cars and light-duty trucks by model year 2025 (77 *Federal Register* 62630).

On March 21, 2020, the USEPA and NHTSA finalized the SAFE Vehicles Rule. The SAFE Vehicles Rule amends certain existing CAFE and tailpipe CO_2 emissions standards for passenger cars and light trucks and establish new standards, all covering model years 2021 through 2026. More specifically, NHTSA set new CAFE standards for model years 2022 through 2026 and amended its 2021 model year CAFE standards, and the USEPA amended its CO_2 emissions standards for model years 2021 and later. On May 12, 2021, the NHTSA published a notice of proposed rulemaking in the *Federal Register*, proposing to repeal key portions of the SAFE Vehicles Rule that would have reduced CAFE standards. The final rule repealing portions of the SAFE Vehicles Rule was published on December 29, 2021. The repeal will allow California to set its own GHG standards if it chooses, even if the emissions standards conflict with CAFE standards enacted by the USDOT.

State Regulations

The CARB is the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 1493 (2002)

In a response to the transportation sector's significant contribution to California's CO_2 emissions, AB 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of CCAA Preemption was not granted by the USEPA until June 30, 2009. The CARB responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025. The Trump administration revoked California's waiver in 2019; however, the Biden administration restored California's waiver in 2021.

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be submitted illustrating the impacts of global warming on California's water supply, public health, agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads this CAT made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the statewide GHG targets that were established in the executive order and further defined under AB 32, the "Global Warming Solutions Act of 2006." The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the Executive Order. The most recent report was released in December 2020.

Assembly Bill 32 (2006), California Global Warming Solutions Act

California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected

business-as-usual 2020 emissions of 596 MMT. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's projected 2020 emissions level of 596 MMT CO_2e under a business-as-usual scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

The Scoping Plan identifies 18 emission reduction measures that address cap-and-trade programs, vehicle gas standards, energy efficiency, low carbon fuel standards, renewable energy, regional transportation-related GHG targets, vehicle efficiency measures, goods movement, solar roof programs, industrial emissions, high speed rail, green building strategies, recycling, sustainable forests, water, and air. The measures would result in a total reduction of 174 MMT CO_2e by 2020.

On August 24, 2011, the CARB unanimously approved both the new supplemental assessment and reapproved its Scoping Plan, which provides the overall roadmap and rule measures to carry out AB 32. The CARB also approved a more robust CEQA equivalent document supporting the supplemental analysis of the cap-and-trade program. The cap-and-trade took effect on January 1, 2012, with an enforceable compliance obligation that began January 1, 2013.

CARB has not yet determined what amount of GHG reductions it recommends from local government operations and local land use decisions; however, the Scoping Plan states that land use planning and urban growth decisions will play an important role in the State's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions (meanwhile, CARB is also developing an additional protocol for community emissions). CARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emission sectors. The Scoping Plan states that the ultimate GHG reduction assignment to local government operations is to be determined. With regard to land use planning, the Scoping Plan expects an approximately 5.0 MMT CO_2e reduction due to implementation of SB 375.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed the CARB and the CAT to identify a list of "discrete early action GHG reduction measures" that could be adopted and made

enforceable by January 1, 2010. On January 18, 2007, Governor Schwarzenegger signed EO S-1-07, further solidifying California's dedication to reducing GHGs by setting a new Low Carbon Fuel Standard (LCFS). This executive order sets a target to reduce the carbon intensity of California transportation fuels by at least 10 percent by 2020 and directs the CARB to consider the LCFS as a discrete early action measure. In 2011, U.S. District Court Judge Lawrence O'Neil issued an injunction preventing implementation of the LCFS, ruling that it is unconstitutional. In 2012, the Ninth Circuit Court of Appeal stayed the District Court's injunction, allowing implementation of the LCFS. The Ninth Circuit decided to uphold the LCFS.

In June 2007, the CARB approved a list of 37 early action measures, including three discrete early action measures (LCFS, Restrictions on GWP Refrigerants, and Landfill CH_4 Capture).[38] Discrete early action measures are measures that were required to be adopted as regulations and made effective no later than January 1, 2010, the date established by Health and Safety Code Section 38560.5. The CARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF_6 reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.[39]

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[40] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

The 2022 Scoping Plan[41] was approved in December 2022 and assesses progress toward achieving the SB 32 2030 target and laying out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

38 CARB. 2007b. *Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration*. October.

39 CARB. 2007a. "ARB approves tripling of early action measures required under AB 32" News Release 07-46. October 25.

40 CARB. 2017. *California's 2017 Climate Change Scoping Plan*. November.

41 CARB. 2022. *2022 Scoping Plan*. November 16. Website: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf (accessed January 2023).

Senate Bill 97 (2007)

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; PRC Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the California Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA.

The California Natural Resources Agency adopted the amendments to the *State CEQA Guidelines* in November 2018, which went into effect in December 2018. The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific mitigation measures. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses.

Senate Bill 375 (2008)

SB 375, the Sustainable Communities and Climate Protection Act, which establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions, was adopted by the State on September 30, 2008. On September 23, 2010, the CARB adopted the vehicular GHG emissions reduction targets that had been developed in consultation with the Metropolitan Planning Organization (MPO); the targets require a 6 to 15 percent reduction by 2020 and between 13 to 19 percent reduction by 2035 for each MPO. SB 375 recognizes the importance of achieving significant GHG reductions by working with cities and counties to change land use patterns and improve transportation alternatives. Through the SB 375 process, MPOs such as the Fresno Council of Governments will work with local jurisdictions in the development of Sustainable Communities Strategy (SCS) designed to integrate development patterns and the transportation network in a way that reduces GHG emissions while meeting housing needs and other regional planning objectives. Pursuant to SB 375, the Los Angeles/Southern California reduction targets for per capita vehicular emissions were 8 percent by 2020 and are 19 percent by 2035 as shown in Table E.

Table E: Senate Bill 375 Regional Greenhouse Gas Emissions Reduction Targets

Metropolitan Planning Organization	By 2020 (percent)	By 2035 (percent)
San Francisco Bay Area	10	19
San Diego	15	19
Sacramento	7	19
Central Valley/San Joaquin	6-13	13-16
Los Angeles/Southern California	8	19

Source: California Air Resources Board (2018).

Executive Order B-30-15 (2015)

Governor Jerry Brown signed EO B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target, and therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act

SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the CPUC for the private utilities and by the CEC for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to state energy agencies under existing law. The addition made by this legislation requires State energy agencies to plan for and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an IPCC analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewables Portfolio Standard (RPS) requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the

bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Title 24, Part 11, Building Standards Code and CALGreen Code

In November 2008, the California Building Standards Commission established the California Green Building Standards Code (CALGreen Code), which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2019 to include new mandatory measures for residential as well as non-residential uses; the new measures took effect on January 1, 2020. The next set of standards will be adopted in 2022 and apply to projects seeking building permits on or after January 1, 2023.

California Building Efficiency Standards (Title 24, Part 6)

The California Building Standards Code, or Title 24 of the California Code of Regulations (CCR) contains the regulations that govern the construction of buildings in California. Within the Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2020, must follow the 2019 standards. The next set of standards will be adopted in 2022 and apply to projects seeking building permits on or after January 1, 2023. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Cap and Trade

The development of a cap-and-trade program was included as a key reduction measure of the CARB AB 32 Climate Change Scoping Plan. The cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by 2020 and ultimately achieving an 80 percent reduction from 1990 levels by 2050. The cap-and-trade emissions trading program developed by the CARB took effect on January 1, 2012, with enforceable compliance obligations

beginning January 1, 2013. The cap-and-trade program aims to regulate GHG emissions from the largest producers in the State by setting a statewide firm limit, or cap, on allowable annual GHG emissions. The cap was set in 2013 at approximately 2 percent below the emissions forecast for 2020. In 2014, the cap declined approximately 2 percent. Beginning in 2015 and continuing through 2020, the cap has been declining approximately 3 percent annually. The CARB administered the first auction on November 14, 2012, with many of the qualified bidders representing corporations or organizations that produce large amounts of GHG emissions, including energy companies, agriculture and food industries, steel mills, cement companies, and universities. On January 1, 2015, compliance obligation began for distributors of transportation fuels, natural gas, and other fuels. The cap-and-trade program was initially slated to sunset in 2020 but the passage of SB 398 in 2017 extended the program through 2030.

Executive Order N-79-20

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible.

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990. According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. Through other statutes and regulations, this 50 percent diversion rate also applies to State agencies. In order of priority, waste reduction efforts must promote source reduction, recycling and composting, and environmentally safe transformation and land disposal. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. The resulting 2012 Mandatory Commercial Recycling Regulation requires that on and after July 1, 2012, certain businesses that generate four cubic yards or more of commercial solid waste per week shall arrange recycling services. To comply with this requirement, businesses may either separate recyclables and self-haul them or subscribe to a recycling service that includes mixed waste processing. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal reduction mandate still applies for cities and counties under AB 939, the Integrated Waste Management Act. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner. If CalRecycle determines that statewide disposal of organic waste has not been reduced by 50 percent below 2014 levels by 2020, businesses generating more than two cubic yards of organic waste per week would be subject to these waste collection requirements. CalRecycle plans to make this assessment in the fall of 2020. Diverting organic waste from landfills reduces emissions of CH_4. This is equivalent to reducing anaerobic decomposition of organic waste that would have otherwise occurred in landfills where organic waste is often buried with other inorganic waste.

Low Carbon Fuel Standard

In January 2007, EO S-01-07 established an LCFS. This executive order calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that an LCFS for transportation fuels be established for California. The LCFS applies to all refiners, blenders, producers, or importers ("Providers") of transportation fuels in California, including fuels used by off-road construction equipment. In June 2007, CARB adopted the LCFS under AB 32 pursuant to Health and Safety Code Section 38560.5, and, in April 2009, CARB approved the new rules and carbon intensity reference values with new regulatory requirements taking effect in January 2011. The standards require providers of transportation fuels to report on the mix of fuels they provide and demonstrate they meet the LCFS intensity standards annually. This is accomplished by ensuring that the number of "credits" earned by providing fuels with a lower carbon intensity than the established baseline (or obtained from another party) is equal to or greater than the "deficits" earned from selling higher intensity fuels. In response to certain court rulings, CARB re-adopted the LCFS regulation in September 2015, and the LCFS went into effect on January 1, 2016. In 2018, CARB approved amendments to the regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector.

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of ZEVs, into a single package of regulatory standards for vehicle model years 2017 through 2025. The new regulations strengthen the GHG standard for 2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's ZEVs regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the State. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 40 percent fewer GHGs and 75 percent fewer smog-forming emissions than 2012 model year vehicles.

Executive Order B-48-18

In January 2018, Governor Brown signed EO B-48-18 requiring all State entities to work with the private sector to have at least 5 million ZEVs on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 electric vehicle charging stations by 2025. It specifies that 10,000 of the electric vehicle charging stations should be direct current fast chargers. This order also requires all State entities to continue to partner with local and regional governments to streamline the installation of ZEV infrastructure. The Governor's Office of Business and Economic Development is required to publish a Plug-in Charging Station Design Guidebook and update the 2015 Hydrogen Station Permitting Guidebook to aid in these efforts. All State entities are required to participate in updating the 2016 Zero-Emissions Vehicle Action Plan to help expand private investment in ZEV

infrastructure with a focus on serving low-income and disadvantaged communities. Additionally, all State entities are to support and recommend policies and actions to expand ZEV infrastructure at residential land uses, through the LCFS Program, and recommend how to ensure affordability and accessibility for all drivers.

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans[42] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

The SCAQMD identifies the emissions level for which a project would not be expected to substantially conflict with any State legislation adopted to reduce statewide GHG emissions. As such, the utilization of a service population represents the rates of emissions needed to achieve a fair share of the State's mandated emissions reductions. Overall, the SCAQMD identifies a GHG efficiency level that, when applied statewide or to a defined geographic area, would meet the year 2020 and post-2020 emissions targets as required by AB 32 and SB 32. If projects are able to achieve targeted rates of emissions per the service population, the State will be able to accommodate expected population growth and achieve economic development objectives, while also abiding by AB 32's emissions target and future post-2020 targets.

Southern California Association of Governments

On September 3, 2020, SCAG adopted Connect SoCal–The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS).[43] In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active

42 SCAQMD. 2008. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans.

43 Southern California Association of Governments (SCAG). 2020. Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed November 2022).

lifestyles.[44] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

Local Regulations

County of San Bernardino Regional Greenhouse Gas Reduction Plan

As a response to the 2006 AB 32 law, a project partnership led by SANBAG, the predecessor agency to the San Bernardino County Transportation Authority (SBCTA), has compiled an inventory of GHG emissions and developed reduction measures that was adopted by the 21 Partnership Cities of San Bernardino County. The regional GHG reduction plan will serve as the basis for cities in San Bernardino County to develop more detailed community level climate action plans.

The City of Redlands was a participant in the San Bernardino County Regional Greenhouse Gas Reduction Plan, which identifies the County's vision and goals on reducing GHG emissions in the different cities, local government facilities, and communities. In response to these initiatives, an informal project partnership, led by the San Bernardino Council of Governments (SBCOG), compiled a GHG emissions inventory and an evaluation of reduction measures that could be adopted by the 25 Partnership Cities of San Bernardino County. The Partnership has committed to undertake the following actions that will reduce GHG emissions associated with its regional (or countywide) activities:

- Prepare a baseline (2016) GHG emissions inventory for each of the 25 Partnership Jurisdictions in the County;
- Prepare a future year (2020, 2030, and 2045) GHG emissions forecasts for each of the jurisdictions;
- Develop general GHG reduction measures and jurisdiction-specific measures appropriate for each jurisdiction; and
- Develop consistent baseline in information for jurisdictions to use for their development of community climate action plans (CAPs) meeting jurisdiction-identified reduction goals.

City of Redlands Climate Action Plan

The City of Redlands Climate Action Plan (CAP)[45] is designed to reinforce the City's commitment to reducing greenhouse gas (GHG) emissions and demonstrate how the City will comply with State of California's GHG emission reduction standards. The CAP has been prepared concurrently with the updated Redlands General Plan 2035, which includes strategies to reduce GHG emissions such as transit oriented and mixed-use development, integrated transportation and land use planning, promotion of bicycle and pedestrian movements, and parking and transportation demand management. To further reduce emissions outlined in the General Plan, the CAP adds several measures in areas such as photovoltaic systems, energy efficiency retrofits, facility commissioning,

44 Ibid

45 Redlands, City of. 2017. *City of Redlands Climate Action Plan.* December. Website: Microsoft Word - Final_Redlands CAP_2017_011718_CR.docx (cityofredlands.org) (accessed November 2022).

efficient lighting standards, and increased zero-emission vehicle travel. The following proposed GHG emission reduction strategies from the CAP are applicable to the proposed project:

- Adopt a commercial energy conservation ordinance requiring all new nonresidential developments with more than 50 cars surface parked or on roofs of parking structures to use PV panels over at least half of the surface/roof-parked cars, or provide equivalent energy conservation/generation by other means.

- Replace 50 percent of incandescent or halogen light bulbs in City facilities with LED or similarly efficient lighting.

- Evaluate the feasibility of adopting a minimum natural lighting and ventilation standard, developed based on local conditions. Demonstrate natural lighting and ventilation features in future renovations or new construction.

- Adopt requirements for ZEV parking for new developments.

City of Redlands General Plan

GHGs are addressed in the Sustainable Community Element in the City of Redlands General Plan.[46] The Sustainable Community Element includes goals, policies, and implementing actions that serve as an environmental steward and ensure that residents enjoy clean air and water, make efficient use of energy, water, and land resources, and grow in a manner in which increased population does not negatively impact resources. The following goals and policies from the General Plan would be applicable to the proposed project:

- Continue implementation and enforcement of the California Building and Energy codes to promote energy efficient building design and construction.

- Adopt a construction and demolition waste recycling ordinance that requires, except in unusual circumstances, all construction, demolition and renovation projects that meet a certain size or dollar value to divert from landfills 100 percent of all cement concrete and asphalt concrete, and an average of at least 75 percent of all remaining non-hazardous debris.

- Prepare a Landscape Manual or enhance landscape standards in the Municipal Code to mitigate urban heat island effects through maximum tree canopy coverage and minimum asphalt and paving coverage – particularly for denser areas like Downtown, Transit Villages, shopping centers, and industrial and other areas with expansive surface parking. Consider the reflectance of stone and rock ground cover in heat generation.

[46] Redlands, City of. 2017. *City of Redlands General Plan 2035 Sustainable Community Element.* December. Website: 08_sustainability_low.pdf (cityofredlands.org) (accessed November 2022).

SETTING

This section provides the current SCAQMD attainment status, climate and air quality, ambient air quality monitoring results, and GHG emissions inventory.

ATTAINMENT STATUS

The CARB is required to designate areas of the state as attainment, nonattainment, or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data do not support either an attainment or nonattainment status. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA designates areas for O_3, CO, and NO_2 as either does not meet the primary standards, or cannot be classified, or better than national standards. For SO_2, areas are designated as does not meet the primary standards, does not meet the secondary standards, cannot be classified, or better than national standards.

Table F provides a summary of the attainment status for the Basin with respect to NAAQS and CAAQS.

Table F: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O_3 1 hour	Nonattainment	Extreme Nonattainment
O_3 8 hour	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	N/A	Attainment/Unclassified
Lead	Attainment	Attainment[1]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: South Coast Air Quality Management District (2018).
[1] Except in Los Angeles County.
CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The combination of topography, low mixing height, abundant sunshine, and emissions from the second-largest urban area in the United States gives the Basin some of the worst air pollution in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is located on Redlands, California.[47] The monthly average maximum temperature recorded at this station ranged from 64.8°F in January to 94.5°F in July, with an annual average maximum of 78.1°F. The monthly average minimum temperature recorded at this station ranged from 39.4°F in January to 60.7°F in August, with an annual average minimum of 49.2°F. These levels are representative of the project area.

The majority of annual rainfall in the Basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the Redlands station varied from 0.07 inches in July to 2.68 inches in January, with an annual total of 13.56 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days when the air appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion, limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino

[47] Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu (accessed November 2022).

Counties. In the winter, the greatest pollution problems are CO and NO_X because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog. Smog is a general term that is naturally occurring fog that has become mixed with smoke or pollution. In this context it is better described as a form of air pollution produced by the photochemical reaction of sunlight with pollutants that have been released into the atmosphere, especially by automotive emissions.

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring stations closest to the project site are located at 500 N. Dearborn in Redlands, 24302 4th Street in San Bernardino, and 14360 Arrow Boulevard in Fontana, California.

Pollutant monitoring results for years 2019 to 2021 are shown in Table G. As indicated in the monitoring results, the federal PM_{10} standard had no exceedances during the 3-year period. The State PM_{10} standard had 2 exceedances in 2020 only. The federal $PM_{2.5}$ levels had 1 exceedance in 2019, 2 exceedances in 2020, and 1 exceedance in 2021. The State 1-hour O_3 standards were exceeded 73 times in 2019, 104 times in 2020, and 74 times in 2021. The State 8-hour O_3 standards were exceeded 111 times in 2019, 145 times in 2020, and 118 times in 2021. The Federal 8-hour O_3 standards were exceeded 109 times in 2019, 141 times in 2020, and 114 times in 2021. The CO, SO_2, and NO_2 standards were not exceeded in this area during the 3-year period.

GREENHOUSE GAS EMISSIONS INVENTORY

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, and California GHG emission inventories.

Global Emissions

Worldwide emissions of GHGs in 2018 totaled 25.6 billion metric tons of CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change.[48]

[48] United Nations Framework Convention on Climate Change (UNFCCC). 2021. GHG Data from UNFCCC. Website: unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc (accessed November 2022).

Table G: Ambient Air Quality at Nearby Monitoring Stations

Pollutant	Standard	2019	2020	2021
Carbon Monoxide (CO)[2]				
Maximum 1-hour concentration (ppm)		1.3	1.9	2.0
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		1.1	1.4	1.6
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)[1]				
Maximum 1-hour concentration (ppm)		0.137	0.173	0.145
Number of days exceeded:	State: > 0.09 ppm	73	104	74
Maximum 8-hour concentration (ppm)		0.118	0.137	0.120
Number of days exceeded:	State: > 0.07 ppm	111	145	118
	Federal: > 0.07 ppm	109	141	114
Coarse Particulates (PM_{10})[1]				
Maximum 24-hour concentration (µg/m^3)		42.4	82.9	41.8
Number of days exceeded:	State: > 50 µg/m^3	0	2	0
	Federal: > 150 µg/m^3	0	0	0
Annual arithmetic average concentration (µg/m^3)		ND	ND	22.3
Exceeded for the year:	State: > 20 µg/m^3	ND	ND	Yes
	Federal: > 50 µg/m^3	ND	ND	No
Fine Particulates ($PM_{2.5}$)[2]				
Maximum 24-hour concentration (µg/m^3)		60.5	56.6	57.9
Number of days exceeded:	Federal: > 35 µg/m^3	1	2	1
Annual arithmetic average concentration (µg/m^3)		ND	ND	11.9
Exceeded for the year:	State: > 12 µg/m^3	ND	ND	No
	Federal: > 15 µg/m^3	ND	Nd	No
Nitrogen Dioxide (NO_2)[2]				
Maximum 1-hour concentration (ppm)		0.059	0.054	0.056
Number of days exceeded:	State: > 0.250 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.014	0.014	0.015
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO_2)[3]				
Maximum 1-hour concentration (ppm)		0.0024	0.0025	0.005
Number of days exceeded:	State: > 0.25 ppm	0	0	0
Maximum 24-hour concentration (ppm)		0.0009	0.0009	0.0009
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.00041	0.00041	0.00024
Exceeded for the year:	Federal: > 0.030 ppm	No	No	No

Sources: CARB (2021) and USEPA (2022).

[1] Data were taken from the 500 N. Dearborn, Redlands monitoring station.

[2] Data were taken from the 24302 4th Street, San Bernardino monitoring station.

[3] Data were taken from the 14360 Arrow Boulevard, Fontana monitoring station.

µg/m^3 = micrograms per cubic meter

CARB = California Air Resources Board

ND = No data. There were insufficient (or no) data to determine the value.

ppm = parts per million

USEPA = United States Environmental Protection Agency

United States Emissions

In 2019, the year for which the most recent data are available, the United States emitted about 6,558 MMT CO_2e. Overall, emissions in 2019 decreased by 1.7 percent since 2018 and were 13 percent 2005 levels. This decrease was driven largely by a decrease in emissions from fossil fuel combustion resulting from a decrease in total energy use in 2019 compared to 2018 and a continued shift from coal to natural gas and renewables in the electric power sector. Of the six major sectors – residential, commercial, agricultural, industry, transportation, and electricity generation – transportation accounted for the highest amount of GHG emissions in 2019 (approximately 29 percent), with electricity generation second at 25 percent and emissions from industry third at 23 percent.[49]

State of California Emissions

The State emitted approximately 418.2 MMT CO_2e emissions in 2019, 7.2 MMT CO_2e lower than 2018 levels and almost 13 MMT CO_2e below the 2020 GHG limit of 431 MMT CO_2e.[50] The CARB estimates that transportation was the source of approximately 40 percent of the State's GHG emissions in 2019, followed by industrial sources at approximately 21 percent and electricity generation at 14 percent. The remaining sources of GHG emissions were agriculture at 8 percent, residential activities at 7 percent, commercial activities at 4 percent, high GWP at 5 percent, and waste at 2 percent.[51]

City of Redlands Emissions

The City of Redlands total emissions were 419,417 MT CO_2e per year in 2015. The emissions inventory covers direct and indirect GHG emissions from sources within the boundaries of Redlands. The emissions inventory tallies emissions from ten sectors. The largest sector is transportation at approximately 41 percent, followed by residential and commercial sectors at approximately 23 and 17 percent, respectively. Off-road equipment is 8 percent of the total emissions. Industrial and solid wastes are 5 percent and 4 percent of the total emissions, respectively. Public lighting, water transport, distribution and treatment, and wastewater are all less than 1 percent of the total emissions.

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49 USEPA. 2021. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019. Website: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019 (accessed November 2022).

50 CARB. 2021. *California Greenhouse Gas Emissions for 2000 to 2019, Trends of Emissions and Other Indicators Report*. Website: https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2019/ghg_inventory_trends_00-19.pdf (accessed November 2022).

51 Ibid.

METHODOLOGY

The methodology used to estimate air quality, health risk, GHG, and energy impacts is described below.

CONSTRUCTION EMISSIONS

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include demolition, site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model version 2020.4.0 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. This analysis assumes that construction would begin in June 2023 and would end in May 2024. The proposed project would include the demolition of an existing 193,469 sq ft warehouse building and single-family home, which was included in CalEEMod. Based on the preliminary grading plans, the project would require the import of approximately 23,154 cubic yards of soil[52], which was also included in CalEEMod. This analysis assumes the use of Tier 2 construction equipment and that the proposed project would comply with SCAQMD Rule 403 measures. This analysis also assumes the overlapping of building construction and architectural phases as part of the construction phase schedule. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used.

OPERATIONAL EMISSIONS

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. As discussed in the Project Description section, the proposed project would demolish a 193,469 sq ft warehouse building and a single-family residence and would construct a 197,397 sq ft warehouse building. Therefore, an existing conditions analysis was conducted using land code *Unrefrigerated Warehouse- No Rail* and *Single-Family Housing*.

The proposed project analysis was conducted assuming that 10 percent of building square footage would be refrigerated warehouse and the remaining 90 percent would be unrefrigerated warehouse. The proposed project analysis was conducted using land use codes *Unrefrigerated Warehouse-No Rail*, *Refrigerated Warehouse-No Rail*, *City Park*, and *Parking Lot.* Trip generation rates used in CalEEMod for the project were based on the project's *Focused Traffic Analysis Analysis,*

[52] The CalEEMod analysis evaluated the import of approximately 24,477 cubic yards of soil; however, the revised estimated import of 23,154 cubic yards of soil would not affect the conclusions contained herein.

[53] which identifies that the existing conditions typically generate approximately 928 average daily trips. The proposed project would generate a total of approximately 961 average daily trips, including 680 passenger vehicle trips, 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips, including 96 average daily trips associated with the cold storage uses and 865 average daily trips associated with the non-cold storage uses.[54] This analysis assumes that the four+-axle truck trips would travel approximately 40 miles. To be conservative, separate CalEEMod analyses were prepared for the operational analysis. One CalEEMod run evaluated operational and vehicle and light duty truck trip emissions and another CalEEMod run evaluated four +-axle truck trip emissions.

CONSTRUCTION HEALTH RISK ASSESSMENT

A construction health risk assessment (HRA), which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). The HRA analyses used PM_{1o} emissions to represent DPM emissions, consistent with Office of Environmental Health Hazard Assessment (OEHHA) guidance[55]. Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data. Meteorological and terrain model inputs are included in the AERMOD input files. In addition, health risk variables are included in the HARP2 model output files. Concentrations presented are flagpole height: 0.

OPERATIONAL HEALTH RISK ASSESSMENT

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational Health Risk Assessment (HRA) was conducted for the proposed project. This HRA has been conducted using three models: (1) EMFAC2021 for on-road vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the USEPA AERMOD air dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and on

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53 Environment Planning Development Solutions, Inc. 2022. op. cit.

54 The CalEEMod analysis evaluated a total of approximately 962 average daily trips, including 681 passenger vehicle trips, 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips. The proposed project's trip generation has since been modified that there would be one less passenger vehicle trip per day. This minimal modification to the project trip generation was reviewed by LSA and it was determined that the modified trip generation would not affect the conclusions contained herein.

55 Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments, February 2015, http://oehha.ca.gov/air/hot_spots/hotspots2015.html, accessed September 2022.

surrounding roadways; and (3) CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at any sensitive receptor locations surrounding the project site.

The first step of an HRA is to characterize the project-related emissions of TACs. The proposed project would generate 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips, which would be a source of TAC emissions. The trucks would access the site by Tennessee Street, West State Street, and Kansas Street. The proposed project would provide 25 dock-high doors[56]; as the project would contain multiple loading docks, off-site queuing of trucks is not anticipated. While the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10} and $PM_{2.5}$) portions of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the ROG emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions. These data are attached. As identified above, meteorological and terrain model inputs are included in the AERMOD input files. In addition, health risk variables are included in the HARP2 model output files. Concentrations presented are flagpole height: 0.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. Idling emission factors included in the HRA modeling includes idling events. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the on-site driveways, along Tennessee Street going north and south, along West State Street going east and west, and along Kansas Street going north and south. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 miles per hour (mph), and that vehicles traveling on roadways would average 5–55 mph.

The idling emissions of trucks operating on the project site were modeled as point sources within the area sources representing the planned loading docks. EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of DPM. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 30-year exposure period. The use of emissions factors for the year 2023 was used as a conservative estimate of emissions, although, the project is not expected to be fully operational until 2024.

ENERGY USE

The analysis of electricity/natural gas usage is based on the CalEEMod modeling, which quantifies energy use for project operations. Fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2024) of the proposed project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB's EMFAC2021 model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction

[56] Although the proposed project would include 25 dock-high doors, the HRA modeling combined several of the sources and included 14 idling points consistent with federal modeling guidance "Appendix W" which allows for similar sources to be combined.

worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

The analysis focuses on the four sources of energy that are relevant to the proposed project: electricity, natural gas, project construction equipment fuel, and vehicle fuel necessary for project operations. For the purposes of this analysis, the amount of electricity, natural gas, construction fuel, and fuel use from operations are quantified and compared to that consumed in San Bernardino County. The electricity/natural gas use of the proposed project is analyzed as a whole on an annual basis.

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or state ambient air quality standards;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse energy impact if the project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reduction the emissions of greenhouse gases.

Certain air districts (e.g., SCAQMD) have created guidelines and requirements to conduct air quality analysis. The SCAQMD's current guidelines, the *CEQA Air Quality Handbook* with associated updates, were followed in this assessment of air quality and GHG impacts for the proposed project.

CRITERIA POLLUTANT THRESHOLDS

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Table H lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table H: Regional Thresholds for Construction and Operational Emissions

Emissions Source	Pollutant Emissions Threshold (lbs/day)					
	VOC	NO_x	CO	PM_{10}	$PM_{2.5}$	SO_x
Construction	75	100	550	150	55	150
Operations	55	55	550	150	55	150

Source: SCAQMD. Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed November 2022).

CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOC = volatile organic compounds

HEALTH RISK THRESHOLDS

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD *CEQA Air Quality Handbook*[57] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*[58], for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

LOCALIZED IMPACTS ANALYSIS

The SCAQMD published its Final Localized Significance Threshold Methodology in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[59] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed project. Localized significance thresholds (LST) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed project, the appropriate SRA for the LST is the nearby East San Bernardino Valley area (SRA 35). SCAQMD provides LST screening tables for 25, 50, 100, 200, and 500-meter source-receptor distances. As identified above, the closest sensitive receptor to the project site is Redlands Adventist Academy Kindergarten and Kids Care, located approximately 275 feet southeast (84 meters) from the project site southern boundary opposite West State Street. Based on the anticipated construction equipment, it is assumed that the maximum daily disturbed acreage for the proposed project would be 3.5 acres.[60] Table I lists the emissions thresholds that apply during project construction and operation.

Table I: South Coast Air Quality Management District Localized Significance Thresholds

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Construction	298.3	3,386.3	47.5	14.0
Operations	298.3	3,386.3	12.0	3.9

Source: South Coast Air Quality Management District (2008).
CO = carbon monoxide
lbs/day = pounds per day
LST = localized significance threshold
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District

57 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).
58 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.
59 SCAQMD. 2008. *Final Localized Significance Threshold Methodology*. July.
60 SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed September 2022).

LOCAL MICROSCALE CONCENTRATION STANDARDS

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. Because ambient CO levels are below the standards throughout the Basin, a project would be considered to have a significant CO impact if project emissions result in an exceedance of one or more of the 1-hour or 8-hour standards. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20 parts per million (ppm)
- California State 8-hour CO standard of 9 ppm

GLOBAL CLIMATE CHANGE

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting held in September 2010 (Meeting No. 15), SCAQMD proposed to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency:

- **Tier 1. Exemptions:** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2. Consistency with a locally adopted GHG Reduction Plan:** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3. Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD, under Option 1, is proposing a "bright-line" screening-level threshold of 3,000 MT CO_2e per year (or MT CO_2e/yr) for all land use types or, under Option 2, the following land-use-specific thresholds: 1,400 MT CO_2e commercial projects; 3,500 MT CO_2e for residential projects; or 3,000 MT CO_2e for mixed-use projects. This bright-line threshold is based on a review of the OPR database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal and therefore less than cumulatively considerable impact on GHG emissions.

- **Tier 4. Performance Standards:** If emissions exceed the numerical screening threshold, a more detailed review of the project's GHG emissions is warranted. SCAQMD has proposed an efficiency target for projects that exceed the bright-line threshold. The current recommended approach consists of per capita efficiency targets. SCAQMD is not recommending use of a percent emissions reduction target. Instead, SCAQMD proposes a 2020 efficiency target of

4.8 MT CO_2e/yr per service population (for project-level analyses and 6.6 MT CO_2e/yr per service population for plan-level projects (e.g., program-level projects such as general plans). The GHG efficiency metric divides annualized GHG emissions by the service population, which is the sum of residents and employees, per the following equation:

Rate of Emission: GHG Emissions (MT CO_2e/yr) ÷ Service Population

The efficiency evaluation consists of comparing the project's efficiency metric to efficiency targets. Efficiency targets represent the maximum quantity of emissions each resident and employee in the State of California could emit in various years based on emissions levels necessary to achieve the statewide GHG emissions reduction goals. A project that results in a lower rate of emissions would be more efficient than a project with a higher rate of emissions, based on the same service population. The metric considers GHG reduction measures integrated into a project's design and operation (or through mitigation). The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for the CARB's 2008 Scoping Plan.

For the purpose of this analysis, the proposed project will be compared to the screening-level Tier 3 Numerical Screening Threshold of 3,000 MT CO_2e/yr for all land use types. The project is also evaluated for compliance with the County of San Bernardino Greenhouse Gas Reduction Plan, the City of Redlands CAP, the 2022 Scoping Plan, and the 2020–2045 RTP/SCS.

IMPACTS ANALYSIS

This section identifies the air quality, energy, and GHG emissions impacts associated with implementation of the proposed project.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the project would occur over the short term from construction activities and over the long term from operational activities associated with the proposed land uses.

Consistency with Applicable Air Quality Plans

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by SCAG. The proposed project would include 197,397 sq ft of warehouse uses. The proposed project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sq ft of floor area. Thus, the proposed project would not be defined as a regionally significant project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in the SCAQMD *CEQA Air Quality Handbook*, consistency with the Basin 2016 AQMP is affirmed when a project (1) would not increase the frequency or severity of an air quality standards violation or cause a new violation, and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented as follows:

1. The project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the project would not result in an increase in the frequency or severity of an air quality standards violation or cause a new air quality standard violation.

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant. In addition, the proposed project would not require a change to the General Plan land use designation or the current zoning, and would be consistent with the City's General Plan and Zoning Ordinance.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP.

Criteria Pollutant Analysis

The Basin is designated as non-attainment for O_3 and $PM_{2.5}$ for federal standards and non-attainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Construction Emissions

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by demolition, grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, site preparation, building, paving, and architectural coating activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of particulate matter generated during the construction period.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the

area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table J lists the tentative project construction schedule beginning in June 2023 and ending in May 2024. Table K lists the potential construction equipment to be used during project construction under each phase of construction. Other precise details of construction activities are unknown at this time; therefore, default settings (e.g., construction equipment) from CalEEMod were assumed. Table L identifies the total annual emissions associated with construction activities. CalEEMod output sheets are included in Appendix A.

Table J: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Demolition	6/5/2023	8/31/2023	5	64
2	Site Preparation	9/1/2023	9/21/2023	5	15
3	Grading	9/22/2023	10/19/2023	5	20
4	Building Construction	10/20/2023	5/3/2024	5	141
5	Architectural Coating	2/26/2024	5/31/2024	5	70
6	Paving	5/6/2024	5/24/2024	5	15

Source: Compiled by LSA (November 2022).
[1] Overlap between building construction and architectural coating phases.

Table K: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/ Industrial Saws	1	8	81	0.73
	Excavators	3	8	158	0.38
	Rubber Tired Dozers	2	8	247	0.4
Site Preparation	Rubber Tired Dozers	3	8	247	0.40
	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	2	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	247	0.4
	Scrapers	2	8	367	0.48
	Tractors/Loaders/Backhoes	2	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
	Forklifts	3	8	89	0.2
	Generator Sets	1	8	84	0.74
	Tractors/Loaders/Backhoes	3	7	97	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
	Paving Equipment	2	8	132	0.36
	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Source: Compiled by LSA using CalEEMod defaults (November 2022).
CalEEMod = California Emissions Estimator Model

Table L: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	1.4	34.3	25.7	<0.1	2.7	1.2
Site Preparation	1.3	33.8	23.6	<0.1	10.0	5.5
Grading	2.3	69.0	42.6	0.2	8.6	4.0
Building Construction	1.8	26.3	25.0	0.1	3.2	1.5
Architectural Coating	26.8	2.4	3.0	<0.1	0.5	0.2
Paving	1.4	20.1	17.8	<0.1	0.8	0.7
Maximum (lbs/day)	**28.6**	**69.0**	**42.6**	**0.2**	**10.0**	**5.5**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
Note: Maximum emissions of VOC occurred during the overlapping building construction and architectural coating phases.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOC = volatile organic compounds

As shown in Table L, construction emissions associated with the project would not exceed the SCAQMD thresholds for VOC, NO_x, CO, sulfur oxides (SO_X), $PM_{2.5,}$ or PM_{10} emissions. In addition to the construction period thresholds of significance, the project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best-available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Even though the project's construction would not exceed any of the emissions thresholds as noted in Table L, compliance with Rule 403 dust suppression techniques can further reduce the fugitive dust generation (and thus, the PM_{10} component). With compliance with Rule 403, construction of the proposed project would not result in emissions that would cause a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with construction-related air quality.

Operational Air Quality Impacts

Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle and truck trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement, and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of PM emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Major sources of energy demand for the proposed project could include building mechanical systems, such as heating and air conditioning.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings, consumer products, and the use of landscape maintenance equipment.

Long-term operation emissions associated with the proposed project were calculated using CalEEMod. Model results are shown in Table M below. CalEEMod output sheets are included in Appendix A.

Table M: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Existing Uses Operational Emissions						
Area Sources	4.6	<0.1	0.6	<0.1	0.1	0.1
Energy Sources	<0.1	0.1	0.1	<0.1	<0.1	<0.1
Mobile Sources	3.9	20.6	40.7	0.1	8.9	2.5
Total Project Emissions	**8.5**	**20.7**	**41.4**	**0.1**	**9.0**	**2.6**
Proposed Project Operational Emissions						
Area Sources	4.5	<0.1	<0.1	0.0	<0.1	<0.1
Energy Sources	<0.1	0.4	0.3	<0.1	<0.1	<0.1
Mobile Sources – Vehicles and Light Duty Trucks	1.5	4.8	21.0	0.1	7.3	2.0
Mobile Sources – Heavy Heavy Duty Trucks	0.6	34.0	8.1	0.2	6.0	1.9
Total Project Emissions	**6.6**	**39.2**	**29.4**	**0.3**	**13.3**	**3.9**
Net Total Emissions	**-1.9**	**18.5**	**-12.0**	**0.2**	**4.3**	**1.3**
SCAQMD Thresholds	55.0	55.0	550.0	150.0	150.0	55.0
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
ROG = volatile organic compounds

The results shown in Table M indicate the project would not exceed the significance criteria for VOC, NO_X, CO, SO_X, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed project would not have a significant effect on regional air quality. Therefore, operation of the project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard.

Localized Significance Analysis

Project construction and operation emissions were compared to the LST screening tables in SRA 35, based on an 84-meter source-receptor distance and a disturbed acreage of 3.5 acres. By design, the localized impacts analysis only includes on-site sources; however, the CalEEMod outputs do not

separate on-site and off-site emissions for mobile sources For a worst-case scenario assessment, the emissions detailed in Table O assume all area source emissions would occur on site, all of the energy source emissions would occur off site at the utility power stations, and 5 percent of the project-related new mobile sources, which is an estimate of the amount of project-related on-site vehicle travel, would occur on site. Considering the total trip length included in CalEEMod, the 5 percent assumption is conservative.

The results of the LST analysis, summarized in Table N and Table O, indicate that the project would not result in an exceedance of the SCAQMD LSTs during project construction or operation.

Table N: Project Localized Construction Emissions (lbs/day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	51.2	36.7	9.8	5.5
Localized Significance Threshold	298.3	3,386.3	47.5	14.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
Note: Source Receptor Area 35, based on a 3.5-acre construction disturbance daily area, at a distance of 84 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_X= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Table O: Project Localized Operational Emissions (lbs/day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	1.9	1.5	0.7	0.2
Localized Significance Threshold	298.3	3,386.3	12.0	3.9
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (January 2023).
Note: Source Receptor Area 35, based on a 3.5-acre construction disturbance daily area, at a distance of 84 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_X= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Health Risk on Nearby Sensitive Receptors

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptor to the project site is Redlands Adventist Academy Kindergarten and Kids Care, located approximately 275 feet southeast of the project site southern boundary opposite West State Street. Other sensitive receptors include the Redlands Apartments, located approximately 900 feet southeast from the project site southern boundary.

The following section describes the potential impacts on sensitive receptors from construction and operation of the proposed project. Health risk impacts associated with project construction and operation are evaluated separately to correctly estimate the risk for each type of receptor (i.e., sensitive vs. worker locations, since sensitive receptors start at the 3rd trimester and workers start

at age 16.) The risk is calculated starting at the 3rd trimester going to 30.25 years, which is broken down into three bins: 3rd trimester to under 2 years; 2 years to under 16 years; and 16 years to 30 years. This is consistent with OEHHA's standard method of calculating a 30-year risk (i.e., the sum of all three bins).

The HRA analysis and results are presented below; data outputs are included in Appendix B.

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table P, below, identifies the results of the analysis assuming the use of Tier 2 construction equipment, as proposed by the project, at the MEI, which is the nearest sensitive receptor. Model snapshots of the sources are shown in Appendix B.

Table P: Unmitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	3.31	0.162	0.000
Sensitive Receptor Risk	13.92	0.011	0.000
Day Care Receptor Risk	14.03	0.015	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: LSA (January 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table P, the maximum cancer risk for the day care receptor MEI would be 14.03 in one million and the sensitive receptor MEI would be 13.92 in one million, which would both exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 3.31 in one million, which would not exceed the threshold. The total chronic hazard index would be 0.162 for the worker receptor MEI, 0.015 for the day care receptor, and 0.011 for the sensitive receptor MEI, which would all be below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As indicated above, the cancer risk of 14.03 in one million at the day care receptor and 13.92 in one million at the sensitive receptor would exceed SCAQMD thresholds. Therefore, implementation of Mitigation Measure AIR-1 would be required to reduce substantial pollutant concentrations during project construction.

Mitigation Measure AIR-1 During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project is equipped with Level 3 diesel particulate filters or equivalent.

Table Q identifies the results of the analysis with implementation of Mitigation Measure AIR-1.

Table Q: Mitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.59	0.030	0.000
Sensitive Receptor Risk	2.49	0.002	0.000
Day Care Receptor Risk	2.55	0.003	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (January 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table Q, the mitigated cancer risk at the day care receptor MEI would be 2.55 in one million and 2.49 in one million at the sensitive receptor MEI, which would not exceed the SCAQMD cancer risk of 10 in one million. Therefore, with implementation of Mitigation Measure AIR-1, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations.

Operational Health Risk Assessment

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. The carcinogenic and chronic health risks from the proposed project are shown in Table R. The residential risk incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). The HRA model snapshots and outputs are included in Appendix B.

Table R: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	7.69	0.020	0.000
Sensitive Receptor Risk	7.49	0.004	0.000
Day Care Receptor Risk	8.05	0.003	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (January 2023).
SCAQMD = South Coast Air Quality Management District

As shown in Table R, the maximum cancer risk for the day care receptor MEI would be 8.05 in one million and the cancer risk for the sensitive receptor MEI would be 7.49 in one million, which would both be less than the threshold of 10 in one million. The worker receptor risk would be 7.69 in one million. The total chronic hazard index would be 0.004 for the sensitive receptor MEI, 0.003 for the day care receptor MEI, and 0.020 for the worker receptor MEI, all of which are below the threshold

of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby residents, workers, and the day care from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions.

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, (Friant Ranch) the California Supreme Court held that an air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As discussed in the SCAQMD Brief filed in the Friant Ranch case, correlating a project's criteria air pollutant emissions to specific health impacts is challenging. The SCAQMD, which has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes noted that it may be "difficult to quantify health impacts for criteria pollutants." SCAQMD used O_3 as an example of why it is impracticable to determine specific health outcomes from criteria pollutants for all but very large, regional-scale projects.

First, forming O_3 "takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources." Second, "it takes a large amount of additional precursor emissions (NO_x and VOCs) to cause a modeled increase in ambient ozone levels over an entire region," with a 2012 study showing that "reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion"

SCAQMD concluded that it "does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects." The San Joaquin Valley Air Pollution Control District (SJVAPCD) ties the difficulty of correlating the emission of criteria pollutants to health impacts to how ozone and particulate matter are formed, stating that "[b]ecause of the complexity of ozone formation, a specific tonnage amount of NO_x or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area." Similarly, the tonnage of PM "emitted does not always equate to the local PM concentration because it can be transported long distances by wind," and "[s]econdary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x," meaning that "the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area." The disconnect between the amount of precursor pollutants and the concentration of ozone or PM formed makes it difficult to determine potential health impacts, which are related to the concentration of ozone and PM experienced by the receptor rather than levels of NO_x, SO_x, and VOCs produced by a source.

Most local agencies lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for

example, the role a particular air pollutant plays compared to the role of other allergens and genetics in cause asthma), existing scientific tools cannot accurately estimate health impacts of the project's air emissions without undue speculation.

Odors

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people.

ENERGY IMPACTS

The following describes the potential impacts regarding energy resources that could result from implementation of the proposed project.

Energy Consumption

The proposed project would increase the demand for energy through day-to-day operations and fuel consumption associated with project construction. This section discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

Construction Energy Use

Construction of the proposed project is anticipated to begin in June 2023 and end in May 2024. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table S. CalEEMod output sheets are included in Appendix A and detailed energy calculations are included in Appendix C.

Table S: Proposed Project Energy Consumption Estimates During Construction

Energy Type	Total Fuel Consumption	Percentage of Increase Countywide
Diesel Fuel (total gallons)	68,917.1	0.02
Gasoline (total gallons)	30,348.0	<0.01

Source: Compiled by LSA (January 2023).

As indicated in Table S, the project would consume approximately 68,917.1 gallons of diesel fuel and approximately 30,348.0 gallons of gasoline during construction. Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 321.6 million gallons of diesel and approximately 915.5 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, construction of the proposed project would increase the annual construction generated fuel use in San Bernardino County by approximately 0.02 percent for diesel fuel usage and by less than 0.01 percent for gasoline fuel usage. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to San Bernardino County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary.

Operational Energy Usage

Operational energy use is typically associated with natural gas use, electricity consumption, and fuel used for vehicle trips associated with a project. Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod.

The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's Traffic Impact Analysis [61], which identifies that the existing conditions typically generate approximately 928 average daily trips and that the proposed project would generate approximately 962 average daily trips, including 681 passenger vehicle trips, 55 two-axle truck trips, 54 three-axle truck trips, and 172 four-axle truck trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in San Bernardino County.

Electricity, natural gas, and fuel usage estimates associated with the proposed project are shown in Table T.

61 Environment Planning Development Solutions, Inc. 2022. op. cit.

As shown in Table T, the estimated potential net increase in electricity demand associated with the operation of the proposed project is 612,787 kWh per year. Total electricity consumption in San Bernardino County in 2020 was 15,968.5 GWh (15,968,515,536 kWh). Therefore, operation of the proposed project would increase the annual electricity consumption in San Bernardino County by less than 0.01 percent.

As shown in Table T, the estimated potential net increase in natural gas demand associated with operation of the proposed project is 8,559.3 therms per year. Natural gas consumption in San Bernardino County in 2020 was 527 million therms (527,236,428 therms). Therefore, operation of the proposed project would negligibly increase the annual natural gas consumption in San Bernardino County by less than 0.01 percent.

Table T: Energy Consumption Estimates During Project Operation

Energy Type	Annual Energy Consumption
Existing Uses Operational Energy Consumption	
Electricity Consumption (kWh/year)	623,199.0
Natural Gas Consumption (therms/year)	5,225.9
Proposed Project Operational Energy Consumption	
Electricity Consumption (kWh/year)	1,235,986.0
Natural Gas Consumption (therms/year)	13,785.2
Net Electricity Consumption	**612,787.0**
Net Natural Gas Consumption	**8,559.3**
Existing Uses Automotive Fuel Consumption	
Gasoline (gallons/year)	270,581.1
Diesel Fuel (gallons/year)	150,360.6
Proposed Project Automotive Fuel Consumption	
Gasoline (gallons/year)	203,309.0
Diesel Fuel (gallons/year)	495,545.5
Net Gasoline Consumption	**-67,272.1**
Net Diesel Fuel Consumption	**345,184.9**

Source: Compiled by LSA (January 2023).
kWh = kilowatt-hours

Electrical and natural gas demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards. Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage.

As shown in Table T, fuel consumption associated with the vehicle trips generated by the proposed project would result in a net decrease of approximately 67,272.1 gallons of gasoline and a net increase of approximately 348,184.9 gallons of diesel from existing conditions. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new

to San Bernardino County. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 915.5 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in San Bernardino County by approximately less than 0.01 percent for gasoline fuel usage and approximately 0.11 percent for diesel fuel usage. Fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

Conflict with Renewable Energy or Energy Efficiency Plans

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2021 Integrated Energy Policy Report* and *2022 Integrated Energy Policy Report Update* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in San Bernardino County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. Additionally, as demonstrated above, the proposed project would not result in the inefficient, wasteful, and unnecessary consumption of energy. Potential impacts related to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency would be less than significant, and no mitigation is required.

GREENHOUSE GAS IMPACTS

This section describes the potential GHG impacts associated with implementation the proposed project.

Generation of Greenhouse Gas Emissions

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The SCAQMD has not addressed emission thresholds for construction in its *CEQA Air Quality Handbook*; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the project's impacts related to the release of GHG emissions for both construction and operational phases of the project is described below.

Short-Term Greenhouse Gas Emissions

Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction GHG emissions to be amortized over the life of the project, defined by the SCAQMD as 30 years[62], added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the project would generate approximately 690.1 MT CO_2e during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 23.0 MT CO_2e. Table U lists the construction GHG emissions (details are provided in the CalEEMod output in Appendix A). Construction emissions would be temporary in nature and would only occur for the duration of the construction period.

Table U: Construction Greenhouse Gas Emissions

Construction Year	Annual Emissions (MT/yr)			
	CO_2	CH_4	N_2O	CO_2e
2023	428.0	0.1	<0.1	436.7
2024	249.9	<0.1	<0.1	253.4
Total Construction GHG Emissions				**690.1**
Amortized Construction Emissions				**23.0**

Source: Compiled by LSA (January 2023).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide

Long-Term Greenhouse Gas Emissions

Long-term GHG emissions are typically generated from mobile sources (e.g., vehicle trips), area sources (e.g., maintenance activities and landscaping), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include project-generated vehicle and truck trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include

62 The SCAQMD has identified the average operational lifespan of buildings to be 30 years. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed November 2022).

energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2024 using CalEEMod. Table V shows the calculated GHG emissions for the proposed project.

Table V: Greenhouse Gas Emissions

Emissions Source	Operational Emissions (MT/yr)				
	CO_2	CH_4	N_2O	CO_2e	Percentage of Total
Existing Uses					
Area Sources	<0.1	<0.1	<0.1	0.3	<1
Energy Sources	138.4	<0.1	<0.1	139.1	5
Mobile Sources	2,255.6	<0.1	<0.1	2,327.2	86
Waste Sources	37.2	2.2	0.0	92.1	3
Water Sources	117.8	1.5	<0.1	165.1	6
Total Existing Uses Emissions				**2,723.8**	100
Proposed Project Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	292.7	<0.1	<0.1	294.3	6
Mobile Sources – Vehicles and Light Duty Trucks	1,199.1	<0.1	0.1	1,218.8	24
Mobile Sources – Heavy Heavy Duty Trucks	3,099.5	0.1	0.5	3,249.2	65
Waste Sources	37.7	2.2	0.0	93.4	2
Water Sources	124.3	1.5	<0.1	172.5	3
Total Project Operational Emissions				**5,028.2**	**100**
Amortized Construction Emissions				23.0	-
Total Annual Emissions				**5,051.2**	**-**
Total Net Annual Emissions				**2,304.4**	**-**
SCAQMD Threshold				3,000	-
Exceed?				**No**	**-**

Source: Compiled by LSA (January 2023).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e/yr. Based on the analysis results, the proposed project would result in a net increase of approximately 2,304.4 MT CO_2e/yr. Therefore, operation of the proposed project would not generate significant GHG emissions that would have a significant effect on the environment.

Consistency with Greenhouse Gas Emissions Reduction Plans

An evaluation of the proposed project's consistency with the City's CAP, the County's Greenhouse Gas Reduction Plan, the 2022 Scoping Plan, and the 2020–2045 RTP/SCS is provided below.

Climate Action Plan

As described above, the City adopted a CAP in December 2017. The consistency of the project with the goals of this CAP fulfills the CEQA goal of fully informing local-agency decision-makers of the environmental impact of the project under consideration at a stage early enough to ensure that GHG emissions are addressed. The proposed project would be consistent with the transportation goals of the CAP by providing additional parking options for electric vehicles and carpool/vanpool vehicles. The proposed project would also be consistent with the CAP goal of increasing energy efficiency in new buildings by complying with the latest California Building Code (Title 24), including the latest CALGreen Code standards. Construction of the project would include a diversion of construction waste from landfills to recycling consistent with current local and State standards and CAP goals to increase diversion and reduction of waste. As such, the proposed project would be consistent with applicable CAP goals.

San Bernardino County Regional Greenhouse Gas Reduction Plan

As discussed above, the City of Redlands was a participant in the San Bernardino County Regional Greenhouse Gas Reduction Plan, which identifies the County's vision and goals on reducing GHG emissions in the different cities, local government facilities, and communities. Table W below presents the proposed project's compliance with each reduction measure evaluated for the City of Redlands, as identified in the San Bernardino County Regional Greenhouse Gas Reduction Plan.

Table W: Project Consistency with City of Redlands GHG Reduction Measures

Measure	Description	Project Consistency
Building Energy		
Policies	• **8-A.10:** Integrate trees and shade into the built environment to mitigate issues such as stormwater runoff and the urban heat island effect. • **8-P.1:** Promote energy efficiency and conservation technologies and practices that reduce the use and dependency on nonrenewable resources of energy by both City government and the community. • **8-P.2:** Promote energy awareness community-wide by educating the community regarding energy audits and incentive programs (tax credits, rebates, exchanges, etc.) available for energy conservation. • **8-P.3:** Proactively review and update City plans, resolutions, and ordinances to promote greater energy efficiency in both existing and new construction in regard to site planning, architecture, and landscape design. • **8-A.14**: Seek funding programs to assist low and moderate-income households in energy conservation. • **8-A.12:** Explore participating in new high-efficiency technology programs such as LED lighting for City facilities, safety lighting in parks and other public spaces,	***Not Applicable.*** This measure is not applicable as the City would be responsible for implementing this measure. However, the proposed project would comply with the CALGreen Code, regarding building energy efficiency and other green building standards. In addition, the proposed project would include approximately 81,630 sq ft of ornamental landscaping that would cover 17 percent of the site.

Table W: Project Consistency with City of Redlands GHG Reduction Measures

Measure	Description	Project Consistency
	and LED street lighting conversion for all City-owned streetlights. • **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. • **8-P.9**: Undertake initiatives to enhance sustainability by reducing the community's GHG emissions. • **8-A.20:** Support energy resiliency through a diversified system of energy sources including zero and near-zero emission technologies. • **8-A.21**: Support the development of distributed energy resources (DER), such as combined heat and power (CHP) from microturbines, fuel cells, etc., to assist in local energy security.	
On-Road		
Policies	• **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. • **8-A.7:** Seek alternatives to reduce non-renewable energy consumption attributable to transportation within the Planning Area. Seek funding and other assistance from the South Coast Air Quality Management District (AQMD) for installation of electric vehicle charging stations at appropriate locations throughout the City. • **4-P.44**: Provide choices for travel options, including walking, biking, vehicular, and transit. • **4-P.52**: Encourage stops of larger trains (Metrolink) in stations that can adequately accommodate their size and have greater availability of and access to parking. • **4-P.41**: Foster a connected, accessible, and active community by creating attractively designed pedestrian- and transit-oriented villages with a mix of uses in a compact area. • **4-A.105:** Create an active and compact transit-oriented core with a mix of residential and commercial/office uses. Allow for the reuse of commercial sites as office centers. San Bernardino Council of Governments Reduction Profiles—Redlands San Bernardino County Regional Greenhouse Gas Reduction Plan 3-156 March 2021 ICF λ 4-A.101: Implement bicycle route improvements that provide intra-City and regional connections, connecting to Loma Linda, the City of San Bernardino, and north to the Santa Ana River Trail. • **4-A.100**: Provide streetscape improvements along the major corridors of California Street and Redlands	***Not Applicable.*** The proposed project would include a speculative warehouse building. Future tenants of the building would implement mass transit encouragement measures as applicable.

Table W: Project Consistency with City of Redlands GHG Reduction Measures

Measure	Description	Project Consistency
	Boulevard to enhance comfort and safety for all modes of travel. • **4-A.116**: Implement bicycle route improvements that provide strong east-west connections to other Transit Villages as well as north-south connections to improve access to existing neighborhoods to the north. Routes would include the Orange Blossom Trail, the Lugonia Trail on New York Street, and a route along Texas Street. • **8-P.9:** Undertake initiatives to enhance sustainability by reducing the community's GHG emissions. .	

Table W: Project Consistency with City of Redlands GHG Reduction Measures

Measure	Description	Project Consistency
Off Road		
Policies	• **8-P.9:** Undertake initiatives to enhance sustainability by reducing the community's GHG emissions.	***Consistent.*** The proposed project would comply with the CALGreen Code, regarding water conservation and green building standards. In addition, the proposed project would include electric vehicle spaces.
Solid Waste Management		
Policies	• **8-P.10:** Demonstrate leadership by reducing the use of energy and fossil fuel consumption in municipal operations, including transportation, waste reduction, and recycling, and by promoting efficient building design and use. • **8-A.42:** Adopt a construction and demolition waste recycling ordinance that requires, except in unusual circumstances, all construction, demolition and renovation projects that meet a certain size or dollar value to divert from landfills 100 percent of all cement concrete and asphalt concrete, and an average of at least 75 percent of all remaining non-hazardous debris	***Consistent.*** The proposed project would be consistent with County Solid Waste and State requirements for waste reduction.
Wastewater Treatment		
Policies	• **8-A.29:** Reduce consumption of carbon-based fuels for conveyance and treatment of water and wastewater. • **8-A.27**: Seek funding sources to implement renewable energy sources determined to be feasible for water and wastewater operations.	***Consistent.*** The proposed project would comply with the CALGreen Code, regarding water conservation and green building standards.
Water Conveyance		
	• **8-P.4**: Promote residential and commercial water conservation using multiple strategies. • **8-P.5:** Conserve the highest quality of water reasonably available for domestic use. • **8-P.6:** Minimize dependence on imported water through efficient use of local surface sources, using wise groundwater management practices, conservation measures, and the use of reclaimed wastewater and non-potable water for irrigation of landscaping and agriculture, where feasible. • **8-P.8**: Promote sustainability by reducing the community's greenhouse gas (GHG) emissions and fostering green development patterns – including buildings, sites, and landscapes.	***Not Applicable.*** This measure is not applicable as the City would be responsible for implementing this measure. However, the proposed project would comply with the CALGreen Code, regarding water conservation and green building standards.

Source: Compiled by LSA (November 2022).
CALGreen Code = California Green Building Standards Code
GHG = greenhouse gas
sq ft = square feet

2022 Scoping Plan

The following discussion evaluates the proposed project according to the goals of the 2022 Scoping Plan, EO B-30-15, SB 32, and AB 197.

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan, to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps the State on the path toward achieving its 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

In addition, the 2022 Scoping Plan assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

The 2022 Scoping Plan focuses on building clean energy production and distribution infrastructure for a carbon-neutral future, including transitioning existing energy production and transmission infrastructure to produce zero-carbon electricity and hydrogen, and utilizing biogas resulting from wildfire management or landfill and dairy operations, among other substitutes. The 2022 Scoping Plan states that in almost all sectors, electrification will play an important role. The 2022 Scoping Plan evaluates clean energy and technology options and the transition away from fossil fuels, including adding four times the solar and wind capacity by 2045 and about 1,700 times the amount of current hydrogen supply. As discussed in the 2022 Scoping Plan, EO N-79-20 requires that all new passenger vehicles sold in California will be zero-emission by 2035, and all other fleets will have transitioned to zero-emission as fully possible by 2045, which will reduce the percentage of fossil fuel combustion vehicles.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. The proposed project would be required to comply with the latest Title 24 standards of the CCR, established by the CEC, regarding energy conservation and green building standards.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the proposed project would be required to comply with the latest Title 24 standards of the CCR, which includes a variety of different

measures, including reduction of wastewater and water use. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

2020-2045 RTP/SCS

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the 2020–2045 RTP/SCS, but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. As stated above, the proposed project would result in a minimal increase in daily trips compared to existing conditions and would in no way conflict with the stated goals of the RTP/SCS; therefore, the proposed project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

Based on the nature of the proposed project, it is anticipated that implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

CONCLUSIONS

Based on the analysis presented above, the proposed project would not conflict with or obstruct implementation of SCAQMD air quality plans. In addition, construction and operation of the proposed project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. With implementation of Mitigation Measure AIR-1, the proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. In addition, the proposed project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation and would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would also not result in objectionable odors affecting a substantial number of people. With regard to GHGs, the project would not result in substantial emissions during construction or operation. Additionally, the proposed project would not conflict with the objectives embodied in EO B-30-15, SB 32, or AB 197. Therefore, the proposed project's incremental contribution to cumulative GHG emissions would not be cumulatively considerable.

APPENDIX A

CALEEMOD OUTPUT SHEETS

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - Based on estimated fleet mix (for passenger vehicles - assuming 50% LDA, 25% LDT1, and 25% LDT2, for 2-axle trucks, assuming 50% LHD1 and

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	**1.0440**	**1.9082**	**1.7128**	**4.6900e-003**	**0.4348**	**0.0765**	**0.5113**	**0.1537**	**0.0712**	**0.2249**	**0.0000**	**427.9988**	**427.9988**	**0.0768**	**0.0227**	**436.6865**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	0.0502	0.1627	0.0303	0.0501	0.0804	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	**1.0237**	**2.7134**	**2.0374**	**4.6900e-003**	**0.2500**	**0.0757**	**0.3257**	**0.0839**	**0.0756**	**0.1594**	**0.0000**	**427.9985**	**427.9985**	**0.0768**	**0.0227**	**436.6862**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.39**	**-50.08**	**-14.48**	**0.00**	**33.77**	**-13.48**	**25.81**	**37.94**	**-21.28**	**16.61**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-5-2023**	**9-4-2023**	0.8413	1.1678
2	**9-5-2023**	**12-4-2023**	1.0605	1.3840
3	**12-5-2023**	**3-4-2024**	0.6861	0.9950
4	**3-5-2024**	**6-4-2024**	1.3505	1.6638
		Highest	1.3505	1.6638

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**1.0528**	**0.9549**	**3.4109**	**0.0132**	**1.2975**	**0.0155**	**1.3129**	**0.3503**	**0.0148**	**0.3651**	**52.1817**	**1,601.6304**	**1,653.8122**	**3.7693**	**0.1041**	**1,779.0547**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**1.0528**	**0.9549**	**3.4109**	**0.0132**	**1.2975**	**0.0155**	**1.3129**	**0.3503**	**0.0148**	**0.3651**	**52.1817**	**1,601.6304**	**1,653.8122**	**3.7693**	**0.1041**	**1,779.0547**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	**0.0726**	**0.6875**	**0.6286**	**1.2400e-003**	**0.0952**	**0.0319**	**0.1271**	**0.0144**	**0.0297**	**0.0441**	**0.0000**	**108.7746**	**108.7746**	**0.0305**	**0.0000**	**109.5362**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

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3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		0.0292	0.0292		0.0292	0.0292	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	**0.0404**	**1.0452**	**0.7896**	**1.2400e-003**	**0.0429**	**0.0292**	**0.0721**	**6.4900e-003**	**0.0292**	**0.0357**	**0.0000**	**108.7745**	**108.7745**	**0.0305**	**0.0000**	**109.5361**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	**0.0200**	**0.2064**	**0.1368**	**2.9000e-004**	**0.1474**	**9.5000e-003**	**0.1569**	**0.0758**	**8.7400e-003**	**0.0845**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	**9.0700e-003**	**0.2529**	**0.1722**	**2.9000e-004**	**0.0663**	**7.1000e-003**	**0.0734**	**0.0341**	**7.1000e-003**	**0.0412**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2908**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

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3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	**0.0332**	**0.3452**	**0.2805**	**6.2000e-004**	**0.0934**	**0.0142**	**0.1077**	**0.0368**	**0.0131**	**0.0499**	**0.0000**	**54.5352**	**54.5352**	**0.0176**	**0.0000**	**54.9762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

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3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	**0.0181**	**0.5124**	**0.3672**	**6.2000e-004**	**0.0420**	**0.0133**	**0.0554**	**0.0165**	**0.0133**	**0.0299**	**0.0000**	**54.5351**	**54.5351**	**0.0176**	**0.0000**	**54.9761**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

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3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	**0.0401**	**0.3668**	**0.4142**	**6.9000e-004**		**0.0178**	**0.0178**		**0.0168**	**0.0168**	**0.0000**	**59.1102**	**59.1102**	**0.0141**	**0.0000**	**59.4618**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	**0.0276**	**0.6006**	**0.4558**	**6.9000e-004**		**0.0230**	**0.0230**		**0.0230**	**0.0230**	**0.0000**	**59.1101**	**59.1101**	**0.0141**	**0.0000**	**59.4617**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	**0.0662**	**0.6050**	**0.7275**	**1.2100e-003**		**0.0276**	**0.0276**		**0.0260**	**0.0260**	**0.0000**	**104.3321**	**104.3321**	**0.0247**	**0.0000**	**104.9489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

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3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	**0.0486**	**1.0600**	**0.8043**	**1.2100e-003**		**0.0407**	**0.0407**		**0.0407**	**0.0407**	**0.0000**	**104.3320**	**104.3320**	**0.0247**	**0.0000**	**104.9488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

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3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9361**	**0.0427**	**0.0634**	**1.0000e-004**		**2.1300e-003**	**2.1300e-003**		**2.1300e-003**	**2.1300e-003**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

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3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9338**	**0.0823**	**0.0641**	**1.0000e-004**		**3.3300e-003**	**3.3300e-003**		**3.3300e-003**	**3.3300e-003**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

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3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0107**	**0.0714**	**0.1097**	**1.7000e-004**		**3.5100e-003**	**3.5100e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1509**	**0.1297**	**1.7000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499
Unmitigated	0.2308	0.8873	3.3482	0.0128	1.2975	0.0103	1.3078	0.3503	9.6600e-003	0.3599	0.0000	1,199.0948	1,199.0948	0.0247	0.0642	1,218.8499

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
NaturalGas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
NaturalGas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

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Fleet Mix - Based on estimated fleet mix (for passenger vehicles - assuming 50% LDA, 25% LDT1, and 25% LDT2, for 2-axle trucks, assuming 50% LHD1 and

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.7686	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	29.0029	17.3379	25.7864	0.0602	2.6009	0.7012	3.3021	0.6991	0.6633	1.3624	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	**29.0029**	**51.3902**	**33.9309**	**0.1500**	**19.8582**	**1.6026**	**21.1252**	**10.1558**	**1.4809**	**11.3215**	**0.0000**	**15,582.0408**	**15,582.0408**	**2.3487**	**1.4894**	**16,084.6015**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2574	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	28.5453	28.5822	27.5156	0.0602	2.6009	1.0257	3.6265	0.6991	1.0241	1.7232	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	**28.5453**	**68.1133**	**42.6023**	**0.1500**	**9.0469**	**1.5114**	**9.9940**	**4.5995**	**1.5037**	**5.5465**	**0.0000**	**15,582.0408**	**15,582.0408**	**2.3487**	**1.4894**	**16,084.6015**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	6.01	-40.69	-17.42	0.00	48.14	-10.12	44.24	51.19	-17.89	42.69	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655
Total	**6.0380**	**4.9285**	**21.2504**	**0.0765**	**7.2635**	**0.0850**	**7.3485**	**1.9575**	**0.0815**	**2.0390**		**8,125.7013**	**8,125.7013**	**0.1538**	**0.3883**	**8,245.2496**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655
Total	**6.0380**	**4.9285**	**21.2504**	**0.0765**	**7.2635**	**0.0850**	**7.3485**	**1.9575**	**0.0815**	**2.0390**		**8,125.7013**	**8,125.7013**	**0.1538**	**0.3883**	**8,245.2496**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.9757**	**0.9975**	**3.9732**	**0.4505**	**0.9280**	**1.3785**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0918**	**1.5477**	**1.0263**	**9.2200e-003**	**0.4085**	**0.0167**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**994.9866**	**994.9866**	**0.0396**	**0.1370**	**1,036.8089**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**1.3391**	**0.9135**	**2.2526**	**0.2027**	**0.9135**	**1.1163**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0918**	**1.5477**	**1.0263**	**9.2200e-003**	**0.4085**	**0.0167**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**994.9866**	**994.9866**	**0.0396**	**0.1370**	**1,036.8089**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.3420**	**1.4245**	**10.7665**	**3.6747**	**1.3105**	**4.9852**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.4468**	**16.8746**	**5.8797**	**0.0879**	**2.9029**	**0.1781**	**3.0810**	**0.7940**	**0.1703**	**0.9643**		**9,570.5631**	**9,570.5631**	**0.4045**	**1.4894**	**10,024.5179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**1.8106**	**51.2386**	**36.7226**	**0.0621**	**4.2039**	**1.3333**	**5.5372**	**1.6536**	**1.3333**	**2.9869**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.4468**	**16.8746**	**5.8797**	**0.0879**	**2.9029**	**0.1781**	**3.0810**	**0.7940**	**0.1703**	**0.9643**		**9,570.5631**	**9,570.5631**	**0.4045**	**1.4894**	**10,024.5179**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	**0.7123**	**2.6294**	**7.0889**	**0.0277**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0244**	**0.6257**		**2,893.5961**	**2,893.5961**	**0.0719**	**0.2205**	**2,961.1148**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	**0.7123**	**2.6294**	**7.0889**	**0.0277**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0244**	**0.6257**		**2,893.5961**	**2,893.5961**	**0.0719**	**0.2205**	**2,961.1148**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	**0.6653**	**2.6062**	**6.6505**	**0.0271**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6251**		**2,840.9480**	**2,840.9480**	**0.0671**	**0.2152**	**2,906.7441**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	**0.6653**	**2.6062**	**6.6505**	**0.0271**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6251**		**2,840.9480**	**2,840.9480**	**0.0671**	**0.2152**	**2,906.7441**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**26.7461**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	**0.1199**	**0.0691**	**1.1589**	**3.2000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**329.9174**	**329.9174**	**7.2900e-003**	**7.3500e-003**	**332.2896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**26.6793**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	**0.1199**	**0.0691**	**1.1589**	**3.2000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**329.9174**	**329.9174**	**7.2900e-003**	**7.3500e-003**	**332.2896**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4196**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3625**	**20.1146**	**17.2957**	**0.0228**		**0.6670**	**0.6670**		**0.6670**	**0.6670**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655
Unmitigated	1.5328	4.5579	20.8919	0.0742	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,681.3637	7,681.3637	0.1450	0.3801	7,798.2655

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse (excluding 4-axle truck trips).

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - Based on estimated fleet mix (for passenger vehicles - assuming 50% LDA, 25% LDT1, and 25% LDT2, for 2-axle trucks, assuming 50% LHD1 and

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.36
tblFleetMix	LDA	0.54	0.44
tblFleetMix	LDT1	0.06	0.18
tblFleetMix	LDT1	0.06	0.22
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.22
tblFleetMix	LHD1	0.03	0.10
tblFleetMix	LHD1	0.03	0.03
tblFleetMix	LHD2	7.1040e-003	0.10
tblFleetMix	LHD2	7.1040e-003	0.03
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.07
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5400e-004	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	3.70
tblVehicleTrips	ST_TR	1.74	4.03
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	3.70
tblVehicleTrips	SU_TR	1.74	4.03
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	3.70
tblVehicleTrips	WD_TR	1.74	4.03

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.7379	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.9613	15,576.9613	2.3474	1.4918	16,080.1996
2024	28.9732	17.4860	24.6036	0.0585	2.6009	0.7013	3.3022	0.6991	0.6633	1.3624	0.0000	5,827.1163	5,827.1163	0.7405	0.2245	5,911.3644
Maximum	**28.9732**	**52.3042**	**33.8899**	**0.1500**	**19.8582**	**1.6029**	**21.1252**	**10.1558**	**1.4812**	**11.3215**	**0.0000**	**15,576.9613**	**15,576.9613**	**2.3474**	**1.4918**	**16,080.1996**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2268	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.9613	15,576.9613	2.3474	1.4918	16,080.1996
2024	28.5156	28.7303	26.3328	0.0585	2.6009	1.0257	3.6266	0.6991	1.0242	1.7233	0.0000	5,827.1163	5,827.1163	0.7405	0.2245	5,911.3644
Maximum	**28.5156**	**69.0272**	**42.5614**	**0.1500**	**9.0469**	**1.5117**	**9.9940**	**4.5995**	**1.5039**	**5.5465**	**0.0000**	**15,576.9613**	**15,576.9613**	**2.3474**	**1.4918**	**16,080.1996**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	6.02	-40.07	-17.78	0.00	48.14	-10.12	44.24	51.19	-17.89	42.68	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Total	**5.7959**	**5.1400**	**18.0180**	**0.0715**	**7.2635**	**0.0850**	**7.3485**	**1.9575**	**0.0815**	**2.0390**		**7,618.5023**	**7,618.5023**	**0.1566**	**0.3932**	**7,739.6059**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Total	**5.7959**	**5.1400**	**18.0180**	**0.0715**	**7.2635**	**0.0850**	**7.3485**	**1.9575**	**0.0815**	**2.0390**		**7,618.5023**	**7,618.5023**	**0.1566**	**0.3932**	**7,739.6059**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.9757**	**0.9975**	**3.9732**	**0.4505**	**0.9280**	**1.3785**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0871**	**1.6314**	**0.9345**	**9.1000e-003**	**0.4085**	**0.0168**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**981.8473**	**981.8473**	**0.0395**	**0.1373**	**1,023.7610**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**1.3391**	**0.9135**	**2.2526**	**0.2027**	**0.9135**	**1.1163**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0871**	**1.6314**	**0.9345**	**9.1000e-003**	**0.4085**	**0.0168**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**981.8473**	**981.8473**	**0.0395**	**0.1373**	**1,023.7610**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.3420**	**1.4245**	**10.7665**	**3.6747**	**1.3105**	**4.9852**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.4162**	**17.7886**	**5.8388**	**0.0879**	**2.9029**	**0.1784**	**3.0813**	**0.7940**	**0.1706**	**0.9646**		**9,565.4836**	**9,565.4836**	**0.4031**	**1.4918**	**10,020.1160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**1.8106**	**51.2386**	**36.7226**	**0.0621**	**4.2039**	**1.3333**	**5.5372**	**1.6536**	**1.3333**	**2.9869**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.4162**	**17.7886**	**5.8388**	**0.0879**	**2.9029**	**0.1784**	**3.0813**	**0.7940**	**0.1706**	**0.9646**		**9,565.4836**	**9,565.4836**	**0.4031**	**1.4918**	**10,020.1160**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.2551	1,231.2551	0.0319	0.1820	1,286.2712
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.7373	1,508.7373	0.0398	0.0404	1,521.7778
Total	**0.6837**	**2.7755**	**6.0302**	**0.0262**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0245**	**0.6258**		**2,739.9924**	**2,739.9924**	**0.0717**	**0.2224**	**2,808.0490**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.2551	1,231.2551	0.0319	0.1820	1,286.2712
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.7373	1,508.7373	0.0398	0.0404	1,521.7778
Total	**0.6837**	**2.7755**	**6.0302**	**0.0262**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0245**	**0.6258**		**2,739.9924**	**2,739.9924**	**0.0717**	**0.2224**	**2,808.0490**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	**0.6397**	**2.7508**	**5.6717**	**0.0256**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6252**		**2,691.0074**	**2,691.0074**	**0.0670**	**0.2169**	**2,757.3081**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	**0.6397**	**2.7508**	**5.6717**	**0.0256**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6252**		**2,691.0074**	**2,691.0074**	**0.0670**	**0.2169**	**2,757.3081**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**26.7461**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	**0.1158**	**0.0727**	**0.9549**	**2.9000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**298.9619**	**298.9619**	**7.3100e-003**	**7.5800e-003**	**301.4044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**26.6793**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	**0.1158**	**0.0727**	**0.9549**	**2.9000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**298.9619**	**298.9619**	**7.3100e-003**	**7.5800e-003**	**301.4044**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4196**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3625**	**20.1146**	**17.2957**	**0.0228**		**0.6670**	**0.6670**		**0.6670**	**0.6670**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218
Unmitigated	1.2906	4.7694	17.6595	0.0693	7.2635	0.0567	7.3202	1.9575	0.0532	2.0107		7,174.1648	7,174.1648	0.1479	0.3851	7,292.6218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	73.04	73.04	73.04	313,020	313,020
Unrefrigerated Warehouse-No Rail	715.97	715.97	715.97	3,068,444	3,068,444
Total	789.01	789.01	789.01	3,381,464	3,381,464

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.363014	0.181507	0.181507	0.000000	0.102740	0.102740	0.068493	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.437849	0.218925	0.218925	0.000000	0.027933	0.027933	0.068436	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

301 Tennessee Street Warehouse Project - Vehicles and Light Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - 100% HHDT trips.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	**1.0440**	**1.9082**	**1.7128**	**4.6900e-003**	**0.4348**	**0.0765**	**0.5113**	**0.1537**	**0.0712**	**0.2249**	**0.0000**	**427.9988**	**427.9988**	**0.0768**	**0.0227**	**436.6865**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0757	0.3257	0.0839	0.0756	0.1594	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	0.0502	0.1627	0.0303	0.0501	0.0804	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	**1.0237**	**2.7134**	**2.0374**	**4.6900e-003**	**0.2500**	**0.0757**	**0.3257**	**0.0839**	**0.0756**	**0.1594**	**0.0000**	**427.9985**	**427.9985**	**0.0768**	**0.0227**	**436.6862**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.39**	**-50.08**	**-14.48**	**0.00**	**33.77**	**-13.48**	**25.81**	**37.94**	**-21.28**	**16.61**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-5-2023**	**9-4-2023**	0.8413	1.1678
2	**9-5-2023**	**12-4-2023**	1.0605	1.3840
3	**12-5-2023**	**3-4-2024**	0.6861	0.9950
4	**3-5-2024**	**6-4-2024**	1.3505	1.6638
		Highest	1.3505	1.6638

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**0.9219**	**6.2955**	**1.5179**	**0.0318**	**1.0062**	**0.0714**	**1.0776**	**0.2763**	**0.0685**	**0.3448**	**52.1817**	**3,502.0167**	**3,554.1984**	**3.8765**	**0.5312**	**3,809.4001**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**0.9219**	**6.2955**	**1.5179**	**0.0318**	**1.0062**	**0.0714**	**1.0776**	**0.2763**	**0.0685**	**0.3448**	**52.1817**	**3,502.0167**	**3,554.1984**	**3.8765**	**0.5312**	**3,809.4001**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	**0.0726**	**0.6875**	**0.6286**	**1.2400e-003**	**0.0952**	**0.0319**	**0.1271**	**0.0144**	**0.0297**	**0.0441**	**0.0000**	**108.7746**	**108.7746**	**0.0305**	**0.0000**	**109.5362**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		0.0292	0.0292		0.0292	0.0292	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	**0.0404**	**1.0452**	**0.7896**	**1.2400e-003**	**0.0429**	**0.0292**	**0.0721**	**6.4900e-003**	**0.0292**	**0.0357**	**0.0000**	**108.7745**	**108.7745**	**0.0305**	**0.0000**	**109.5361**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	**0.0200**	**0.2064**	**0.1368**	**2.9000e-004**	**0.1474**	**9.5000e-003**	**0.1569**	**0.0758**	**8.7400e-003**	**0.0845**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		7.1000e-003	7.1000e-003		7.1000e-003	7.1000e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	**9.0700e-003**	**0.2529**	**0.1722**	**2.9000e-004**	**0.0663**	**7.1000e-003**	**0.0734**	**0.0341**	**7.1000e-003**	**0.0412**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2908**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	**0.0332**	**0.3452**	**0.2805**	**6.2000e-004**	**0.0934**	**0.0142**	**0.1077**	**0.0368**	**0.0131**	**0.0499**	**0.0000**	**54.5352**	**54.5352**	**0.0176**	**0.0000**	**54.9762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	**0.0181**	**0.5124**	**0.3672**	**6.2000e-004**	**0.0420**	**0.0133**	**0.0554**	**0.0165**	**0.0133**	**0.0299**	**0.0000**	**54.5351**	**54.5351**	**0.0176**	**0.0000**	**54.9761**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	**0.0401**	**0.3668**	**0.4142**	**6.9000e-004**		**0.0178**	**0.0178**		**0.0168**	**0.0168**	**0.0000**	**59.1102**	**59.1102**	**0.0141**	**0.0000**	**59.4618**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0276	0.6006	0.4558	6.9000e-004		0.0230	0.0230		0.0230	0.0230	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	**0.0276**	**0.6006**	**0.4558**	**6.9000e-004**		**0.0230**	**0.0230**		**0.0230**	**0.0230**	**0.0000**	**59.1101**	**59.1101**	**0.0141**	**0.0000**	**59.4617**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	**0.0662**	**0.6050**	**0.7275**	**1.2100e-003**		**0.0276**	**0.0276**		**0.0260**	**0.0260**	**0.0000**	**104.3321**	**104.3321**	**0.0247**	**0.0000**	**104.9489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	**0.0486**	**1.0600**	**0.8043**	**1.2100e-003**		**0.0407**	**0.0407**		**0.0407**	**0.0407**	**0.0000**	**104.3320**	**104.3320**	**0.0247**	**0.0000**	**104.9488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9361**	**0.0427**	**0.0634**	**1.0000e-004**		**2.1300e-003**	**2.1300e-003**		**2.1300e-003**	**2.1300e-003**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

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3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9338**	**0.0823**	**0.0641**	**1.0000e-004**		**3.3300e-003**	**3.3300e-003**		**3.3300e-003**	**3.3300e-003**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0107**	**0.0714**	**0.1097**	**1.7000e-004**		**3.5100e-003**	**3.5100e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

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3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1509**	**0.1297**	**1.7000e-004**		**5.0000e-003**	**5.0000e-003**		**5.0000e-003**	**5.0000e-003**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953
Unmitigated	0.0999	6.2279	1.4552	0.0313	1.0062	0.0662	1.0724	0.2763	0.0634	0.3397	0.0000	3,099.4810	3,099.4810	0.1319	0.4913	3,249.1953

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
NaturalGas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
NaturalGas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - 100% HHDT trips.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.7686	51.3902	33.9309	0.1500	19.8582	1.6026	21.1252	10.1558	1.4809	11.3215	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	29.0029	17.3379	25.7864	0.0602	2.6009	0.7012	3.3021	0.6991	0.6633	1.3624	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	**29.0029**	**51.3902**	**33.9309**	**0.1500**	**19.8582**	**1.6026**	**21.1252**	**10.1558**	**1.4809**	**11.3215**	**0.0000**	**15,582.0408**	**15,582.0408**	**2.3487**	**1.4894**	**16,084.6015**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2574	68.1133	42.6023	0.1500	9.0469	1.5114	9.9940	4.5995	1.5037	5.5465	0.0000	15,582.0408	15,582.0408	2.3487	1.4894	16,084.6015
2024	28.5453	28.5822	27.5156	0.0602	2.6009	1.0257	3.6265	0.6991	1.0241	1.7232	0.0000	6,008.0124	6,008.0124	0.7404	0.2225	6,091.6857
Maximum	**28.5453**	**68.1133**	**42.6023**	**0.1500**	**9.0469**	**1.5114**	**9.9940**	**4.5995**	**1.5037**	**5.5465**	**0.0000**	**15,582.0408**	**15,582.0408**	**2.3487**	**1.4894**	**16,084.6015**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	6.01	-40.69	-17.42	0.00	48.14	-10.12	44.24	51.19	-17.89	42.69	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Total	**5.0669**	**32.7100**	**8.3233**	**0.1745**	**5.6217**	**0.3926**	**6.0143**	**1.5409**	**0.3768**	**1.9177**		**19,232.5715**	**19,232.5715**	**0.8092**	**2.9864**	**20,142.7603**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Total	**5.0669**	**32.7100**	**8.3233**	**0.1745**	**5.6217**	**0.3926**	**6.0143**	**1.5409**	**0.3768**	**1.9177**		**19,232.5715**	**19,232.5715**	**0.8092**	**2.9864**	**20,142.7603**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.9757**	**0.9975**	**3.9732**	**0.4505**	**0.9280**	**1.3785**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0918**	**1.5477**	**1.0263**	**9.2200e-003**	**0.4085**	**0.0167**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**994.9866**	**994.9866**	**0.0396**	**0.1370**	**1,036.8089**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**1.3391**	**0.9135**	**2.2526**	**0.2027**	**0.9135**	**1.1163**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0331	1.5123	0.4606	7.7200e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0812		841.7363	841.7363	0.0359	0.1334	882.3933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0918**	**1.5477**	**1.0263**	**9.2200e-003**	**0.4085**	**0.0167**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**994.9866**	**994.9866**	**0.0396**	**0.1370**	**1,036.8089**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.3420**	**1.4245**	**10.7665**	**3.6747**	**1.3105**	**4.9852**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.4468**	**16.8746**	**5.8797**	**0.0879**	**2.9029**	**0.1781**	**3.0810**	**0.7940**	**0.1703**	**0.9643**		**9,570.5631**	**9,570.5631**	**0.4045**	**1.4894**	**10,024.5179**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**1.8106**	**51.2386**	**36.7226**	**0.0621**	**4.2039**	**1.3333**	**5.5372**	**1.6536**	**1.3333**	**2.9869**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3686	16.8274	5.1255	0.0859	2.6793	0.1770	2.8563	0.7347	0.1693	0.9040		9,366.2293	9,366.2293	0.3996	1.4846	9,818.6303
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.4468**	**16.8746**	**5.8797**	**0.0879**	**2.9029**	**0.1781**	**3.0810**	**0.7940**	**0.1703**	**0.9643**		**9,570.5631**	**9,570.5631**	**0.4045**	**1.4894**	**10,024.5179**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	**0.7123**	**2.6294**	**7.0889**	**0.0277**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0244**	**0.6257**		**2,893.5961**	**2,893.5961**	**0.0719**	**0.2205**	**2,961.1148**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0749	2.2448	0.9420	0.0115	0.4100	0.0169	0.4269	0.1181	0.0161	0.1342		1,228.2764	1,228.2764	0.0321	0.1814	1,283.1310
Worker	0.6374	0.3846	6.1469	0.0163	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,665.3197	1,665.3197	0.0398	0.0392	1,677.9838
Total	**0.7123**	**2.6294**	**7.0889**	**0.0277**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0244**	**0.6257**		**2,893.5961**	**2,893.5961**	**0.0719**	**0.2205**	**2,961.1148**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	**0.6653**	**2.6062**	**6.6505**	**0.0271**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6251**		**2,840.9480**	**2,840.9480**	**0.0671**	**0.2152**	**2,906.7441**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0732	2.2648	0.9263	0.0113	0.4100	0.0166	0.4266	0.1181	0.0159	0.1340		1,211.3560	1,211.3560	0.0311	0.1789	1,265.4347
Worker	0.5921	0.3414	5.7242	0.0158	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,629.5921	1,629.5921	0.0360	0.0363	1,641.3095
Total	**0.6653**	**2.6062**	**6.6505**	**0.0271**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6251**		**2,840.9480**	**2,840.9480**	**0.0671**	**0.2152**	**2,906.7441**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**26.7461**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	**0.1199**	**0.0691**	**1.1589**	**3.2000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**329.9174**	**329.9174**	**7.2900e-003**	**7.3500e-003**	**332.2896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**26.6793**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1199	0.0691	1.1589	3.2000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		329.9174	329.9174	7.2900e-003	7.3500e-003	332.2896
Total	**0.1199**	**0.0691**	**1.1589**	**3.2000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**329.9174**	**329.9174**	**7.2900e-003**	**7.3500e-003**	**332.2896**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4196**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3625**	**20.1146**	**17.2957**	**0.0228**		**0.6670**	**0.6670**		**0.6670**	**0.6670**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762
Unmitigated	0.5617	32.3393	7.9648	0.1723	5.6217	0.3643	5.9860	1.5409	0.3485	1.8894		18,788.2339	18,788.2339	0.8004	2.9783	19,695.7762

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 25 ADT for Refrigerated Warehouse and 149 ADT for Unrefrigerated Warehouse (4-axle truck trips only) and assuming a 40-mile trip length.

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 equipment

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fleet Mix - 100% HHDT trips.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	HHD	0.02	1.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	177,660.00	177,657.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.17
tblVehicleTrips	ST_TR	1.74	0.84
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.17
tblVehicleTrips	SU_TR	1.74	0.84
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.17
tblVehicleTrips	WD_TR	1.74	0.84

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.7379	52.3042	33.8899	0.1500	19.8582	1.6029	21.1252	10.1558	1.4812	11.3215	0.0000	15,576.9613	15,576.9613	2.3474	1.4918	16,080.1996
2024	28.9732	17.4860	24.6036	0.0585	2.6009	0.7013	3.3022	0.6991	0.6633	1.3624	0.0000	5,827.1163	5,827.1163	0.7405	0.2245	5,911.3644
Maximum	**28.9732**	**52.3042**	**33.8899**	**0.1500**	**19.8582**	**1.6029**	**21.1252**	**10.1558**	**1.4812**	**11.3215**	**0.0000**	**15,576.9613**	**15,576.9613**	**2.3474**	**1.4918**	**16,080.1996**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.2268	69.0272	42.5614	0.1500	9.0469	1.5117	9.9940	4.5995	1.5039	5.5465	0.0000	15,576.9613	15,576.9613	2.3474	1.4918	16,080.1996
2024	28.5156	28.7303	26.3328	0.0585	2.6009	1.0257	3.6266	0.6991	1.0242	1.7233	0.0000	5,827.1163	5,827.1163	0.7405	0.2245	5,911.3644
Maximum	**28.5156**	**69.0272**	**42.5614**	**0.1500**	**9.0469**	**1.5117**	**9.9940**	**4.5995**	**1.5039**	**5.5465**	**0.0000**	**15,576.9613**	**15,576.9613**	**2.3474**	**1.4918**	**16,080.1996**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	6.02	-40.07	-17.78	0.00	48.14	-10.12	44.24	51.19	-17.89	42.68	0.00	0.00	0.00	0.00	0.00	0.00

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Total	**5.0357**	**34.3593**	**8.4253**	**0.1747**	**5.6217**	**0.3929**	**6.0146**	**1.5409**	**0.3771**	**1.9180**		**19,248.3266**	**19,248.3266**	**0.8077**	**2.9890**	**20,159.2264**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Energy	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
Mobile	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Total	**5.0357**	**34.3593**	**8.4253**	**0.1747**	**5.6217**	**0.3929**	**6.0146**	**1.5409**	**0.3771**	**1.9180**		**19,248.3266**	**19,248.3266**	**0.8077**	**2.9890**	**20,159.2264**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	
4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9757	0.0000	2.9757	0.4505	0.0000	0.4505			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.9757**	**0.9975**	**3.9732**	**0.4505**	**0.9280**	**1.3785**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0871**	**1.6314**	**0.9345**	**9.1000e-003**	**0.4085**	**0.0168**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**981.8473**	**981.8473**	**0.0395**	**0.1373**	**1,023.7610**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3391	0.0000	1.3391	0.2027	0.0000	0.2027			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**1.3391**	**0.9135**	**2.2526**	**0.2027**	**0.9135**	**1.1163**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0306	1.5942	0.4689	7.7400e-003	0.2408	0.0159	0.2567	0.0660	0.0152	0.0813		843.0064	843.0064	0.0358	0.1336	883.7201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0871**	**1.6314**	**0.9345**	**9.1000e-003**	**0.4085**	**0.0168**	**0.4252**	**0.1105**	**0.0160**	**0.1265**		**981.8473**	**981.8473**	**0.0395**	**0.1373**	**1,023.7610**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.3420	0.0000	9.3420	3.6747	0.0000	3.6747			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.3420**	**1.4245**	**10.7665**	**3.6747**	**1.3105**	**4.9852**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.4162**	**17.7886**	**5.8388**	**0.0879**	**2.9029**	**0.1784**	**3.0813**	**0.7940**	**0.1706**	**0.9646**		**9,565.4836**	**9,565.4836**	**0.4031**	**1.4918**	**10,020.1160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2039	0.0000	4.2039	1.6536	0.0000	1.6536			0.0000			0.0000
Off-Road	1.8106	51.2386	36.7226	0.0621		1.3333	1.3333		1.3333	1.3333	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**1.8106**	**51.2386**	**36.7226**	**0.0621**	**4.2039**	**1.3333**	**5.5372**	**1.6536**	**1.3333**	**2.9869**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3409	17.7390	5.2180	0.0861	2.6793	0.1773	2.8566	0.7347	0.1696	0.9043		9,380.3625	9,380.3625	0.3982	1.4868	9,833.3948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.4162**	**17.7886**	**5.8388**	**0.0879**	**2.9029**	**0.1784**	**3.0813**	**0.7940**	**0.1706**	**0.9646**		**9,565.4836**	**9,565.4836**	**0.4031**	**1.4918**	**10,020.1160**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.2551	1,231.2551	0.0319	0.1820	1,286.2712
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.7373	1,508.7373	0.0398	0.0404	1,521.7778
Total	**0.6837**	**2.7755**	**6.0302**	**0.0262**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0245**	**0.6258**		**2,739.9924**	**2,739.9924**	**0.0717**	**0.2224**	**2,808.0490**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0697	2.3711	0.9710	0.0115	0.4100	0.0169	0.4270	0.1181	0.0162	0.1343		1,231.2551	1,231.2551	0.0319	0.1820	1,286.2712
Worker	0.6140	0.4044	5.0592	0.0147	1.8220	9.0000e-003	1.8310	0.4832	8.2900e-003	0.4915		1,508.7373	1,508.7373	0.0398	0.0404	1,521.7778
Total	**0.6837**	**2.7755**	**6.0302**	**0.0262**	**2.2320**	**0.0259**	**2.2579**	**0.6013**	**0.0245**	**0.6258**		**2,739.9924**	**2,739.9924**	**0.0717**	**0.2224**	**2,808.0490**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	**0.6397**	**2.7508**	**5.6717**	**0.0256**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6252**		**2,691.0074**	**2,691.0074**	**0.0670**	**0.2169**	**2,757.3081**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0680	2.3919	0.9551	0.0113	0.4100	0.0167	0.4267	0.1181	0.0160	0.1340		1,214.3166	1,214.3166	0.0309	0.1794	1,268.5530
Worker	0.5718	0.3589	4.7166	0.0143	1.8220	8.6500e-003	1.8306	0.4832	7.9600e-003	0.4912		1,476.6908	1,476.6908	0.0361	0.0375	1,488.7551
Total	**0.6397**	**2.7508**	**5.6717**	**0.0256**	**2.2320**	**0.0253**	**2.2573**	**0.6013**	**0.0239**	**0.6252**		**2,691.0074**	**2,691.0074**	**0.0670**	**0.2169**	**2,757.3081**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**26.7461**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	**0.1158**	**0.0727**	**0.9549**	**2.9000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**298.9619**	**298.9619**	**7.3100e-003**	**7.5800e-003**	**301.4044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.5654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**26.6793**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1158	0.0727	0.9549	2.9000e-003	0.3689	1.7500e-003	0.3706	0.0978	1.6100e-003	0.0994		298.9619	298.9619	7.3100e-003	7.5800e-003	301.4044
Total	**0.1158**	**0.0727**	**0.9549**	**2.9000e-003**	**0.3689**	**1.7500e-003**	**0.3706**	**0.0978**	**1.6100e-003**	**0.0994**		**298.9619**	**298.9619**	**7.3100e-003**	**7.5800e-003**	**301.4044**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4196**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9311	20.1146	17.2957	0.0228		0.6670	0.6670		0.6670	0.6670	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3625**	**20.1146**	**17.2957**	**0.0228**		**0.6670**	**0.6670**		**0.6670**	**0.6670**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423
Unmitigated	0.5304	33.9887	8.0668	0.1725	5.6217	0.3646	5.9863	1.5409	0.3488	1.8897		18,803.9890	18,803.9890	0.7989	2.9808	19,712.2423

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	23.10	23.10	23.10	313,602	313,602
Unrefrigerated Warehouse-No Rail	149.23	149.23	149.23	2,026,348	2,026,348
Total	172.33	172.33	172.33	2,339,950	2,339,950

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754
NaturalGas Unmitigated	0.0407	0.3702	0.3110	2.2200e-003		0.0281	0.0281		0.0281	0.0281		444.2355	444.2355	8.5100e-003	8.1400e-003	446.8754

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2797.67	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	978.33	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.79767	0.0302	0.2743	0.2304	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.1379	329.1379	6.3100e-003	6.0300e-003	331.0938
Unrefrigerated Warehouse-No Rail	0.97833	0.0106	0.0959	0.0806	5.8000e-004		7.2900e-003	7.2900e-003		7.2900e-003	7.2900e-003		115.0977	115.0977	2.2100e-003	2.1100e-003	115.7817
Total		**0.0407**	**0.3702**	**0.3110**	**2.2300e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**444.2356**	**444.2356**	**8.5200e-003**	**8.1400e-003**	**446.8754**

6.0 Area Detail

6.1 Mitigation Measures Area

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Unmitigated	4.4645	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5095					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3900e-003	4.3000e-004	0.0475	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1020	0.1020	2.7000e-004		0.1087
Total	**4.4645**	**4.3000e-004**	**0.0475**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1020**	**0.1020**	**2.7000e-004**		**0.1087**

7.0 Water Detail

7.1 Mitigation Measures Water

301 Tennessee Street Warehouse Project - Heavy Heavy Duty Trucks - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Mitigated (construction model run only)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.74	1000sqft	2.15	19,740.00	0
Unrefrigerated Warehouse-No Rail	177.66	1000sqft	4.50	177,657.00	0
Parking Lot	267.00	Space	2.47	106,800.00	0
City Park	1.86	Acre	1.86	84,845.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 10.98 acres, project consist of a 197,397 sq ft warehouse with 10% cold storage

Construction Phase - Construction would start in June 2023 and end in May 2024. Overlap of building construction and architectural coating phases.

Off-road Equipment - Default equipment

Demolition - Demolition of existing buildings

Grading - Project would require the import of 24,477 CY of soil

Vehicle Trips - Based on a trip generation of 96 ADT for Refrigerated Warehouse and 866 ADT for Unrefrigerated Warehouse

Construction Off-road Equipment Mitigation - Project will comply with SCAQMD rule 403, use of Tier 2 Level 3 DPF equipment

Fleet Mix - Based on estimated trip generation

301 Tennessee Street Warehouse Project - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	141.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	15.00
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblGrading	MaterialImported	0.00	24,477.00
tblLandUse	LandUseSquareFeet	81,021.60	84,845.00
tblLandUse	LotAcreage	0.45	2.15
tblLandUse	LotAcreage	4.08	4.50
tblLandUse	LotAcreage	2.40	2.47
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	4.86
tblVehicleTrips	ST_TR	1.74	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.86
tblVehicleTrips	SU_TR	1.74	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.86
tblVehicleTrips	WD_TR	1.74	4.87

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1896	1.9082	1.7128	4.6900e-003	0.4348	0.0765	0.5113	0.1537	0.0712	0.2249	0.0000	427.9988	427.9988	0.0768	0.0227	436.6865
2024	1.0440	0.8461	1.2038	2.7700e-003	0.1125	0.0345	0.1469	0.0303	0.0325	0.0628	0.0000	249.8906	249.8906	0.0331	9.1700e-003	253.4484
Maximum	**1.0440**	**1.9082**	**1.7128**	**4.6900e-003**	**0.4348**	**0.0765**	**0.5113**	**0.1537**	**0.0712**	**0.2249**	**0.0000**	**427.9988**	**427.9988**	**0.0768**	**0.0227**	**436.6865**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1189	2.7134	2.0374	4.6900e-003	0.2500	0.0139	0.2639	0.0839	0.0138	0.0976	0.0000	427.9985	427.9985	0.0768	0.0227	436.6862
2024	1.0237	1.4202	1.3014	2.7700e-003	0.1125	8.5500e-003	0.1210	0.0303	8.4800e-003	0.0388	0.0000	249.8905	249.8905	0.0331	9.1700e-003	253.4482
Maximum	**1.0237**	**2.7134**	**2.0374**	**4.6900e-003**	**0.2500**	**0.0139**	**0.2639**	**0.0839**	**0.0138**	**0.0976**	**0.0000**	**427.9985**	**427.9985**	**0.0768**	**0.0227**	**436.6862**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.39**	**-50.08**	**-14.48**	**0.00**	**33.77**	**79.77**	**41.53**	**37.94**	**78.55**	**52.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-5-2023**	**9-4-2023**	0.8413	1.1678
2	**9-5-2023**	**12-4-2023**	1.0605	1.3840
3	**12-5-2023**	**3-4-2024**	0.6861	0.9950
4	**3-5-2024**	**6-4-2024**	1.3505	1.6638
		Highest	1.3505	1.6638

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**1.4003**	**3.3509**	**6.5134**	**0.0238**	**1.6056**	**0.0351**	**1.6407**	**0.4336**	**0.0336**	**0.4672**	**52.1817**	**2,653.1122**	**2,705.2939**	**3.8478**	**0.2705**	**2,882.0888**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Energy	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	292.7448	292.7448	0.0199	3.5900e-003	294.3126
Mobile	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840
Waste						0.0000	0.0000		0.0000	0.0000	37.6995	0.0000	37.6995	2.2280	0.0000	93.3989
Water						0.0000	0.0000		0.0000	0.0000	14.4822	109.7794	124.2616	1.4967	0.0363	172.4810
Total	**1.4003**	**3.3509**	**6.5134**	**0.0238**	**1.6056**	**0.0351**	**1.6407**	**0.4336**	**0.0336**	**0.4672**	**52.1817**	**2,653.1122**	**2,705.2939**	**3.8478**	**0.2705**	**2,882.0888**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/5/2023	8/31/2023	5	64	
2	Site Preparation	Site Preparation	9/1/2023	9/21/2023	5	15	
3	Grading	Grading	9/22/2023	10/19/2023	5	20	

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4	Building Construction	Building Construction	10/20/2023	5/3/2024	5	141	
5	Architectural Coating	Architectural Coating	2/26/2024	5/31/2024	5	70	
6	Paving	Paving	5/6/2024	5/24/2024	5	15	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 2.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 296,096; Non-Residential Outdoor: 98,699; Striped Parking Area: 6,408 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	880.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,060.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	163.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0952	0.0000	0.0952	0.0144	0.0000	0.0144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.6875	0.6286	1.2400e-003		0.0319	0.0319		0.0297	0.0297	0.0000	108.7746	108.7746	0.0305	0.0000	109.5362
Total	**0.0726**	**0.6875**	**0.6286**	**1.2400e-003**	**0.0952**	**0.0319**	**0.1271**	**0.0144**	**0.0297**	**0.0441**	**0.0000**	**108.7746**	**108.7746**	**0.0305**	**0.0000**	**109.5362**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0429	0.0000	0.0429	6.4900e-003	0.0000	6.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0404	1.0452	0.7896	1.2400e-003		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	108.7745	108.7745	0.0305	0.0000	109.5361
Total	**0.0404**	**1.0452**	**0.7896**	**1.2400e-003**	**0.0429**	**4.3900e-003**	**0.0472**	**6.4900e-003**	**4.3900e-003**	**0.0109**	**0.0000**	**108.7745**	**108.7745**	**0.0305**	**0.0000**	**109.5361**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0512	0.0149	2.5000e-004	7.5800e-003	5.1000e-004	8.0900e-003	2.0800e-003	4.9000e-004	2.5700e-003	0.0000	24.4510	24.4510	1.0400e-003	3.8800e-003	25.6320
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.2500e-003	0.0156	4.0000e-005	5.2600e-003	3.0000e-005	5.2900e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.1105	4.1105	1.1000e-004	1.1000e-004	4.1465
Total	**2.7000e-003**	**0.0524**	**0.0305**	**2.9000e-004**	**0.0128**	**5.4000e-004**	**0.0134**	**3.4800e-003**	**5.1000e-004**	**3.9900e-003**	**0.0000**	**28.5615**	**28.5615**	**1.1500e-003**	**3.9900e-003**	**29.7784**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	**0.0200**	**0.2064**	**0.1368**	**2.9000e-004**	**0.1474**	**9.5000e-003**	**0.1569**	**0.0758**	**8.7400e-003**	**0.0845**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0700e-003	0.2529	0.1722	2.9000e-004		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	**9.0700e-003**	**0.2529**	**0.1722**	**2.9000e-004**	**0.0663**	**1.0600e-003**	**0.0674**	**0.0341**	**1.0600e-003**	**0.0352**	**0.0000**	**25.0880**	**25.0880**	**8.1100e-003**	**0.0000**	**25.2908**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.5000e-004	4.3900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.1561	1.1561	3.0000e-005	3.0000e-005	1.1662
Total	**4.7000e-004**	**3.5000e-004**	**4.3900e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.1561**	**1.1561**	**3.0000e-005**	**3.0000e-005**	**1.1662**

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3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0934	0.0000	0.0934	0.0368	0.0000	0.0368	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	**0.0332**	**0.3452**	**0.2805**	**6.2000e-004**	**0.0934**	**0.0142**	**0.1077**	**0.0368**	**0.0131**	**0.0499**	**0.0000**	**54.5352**	**54.5352**	**0.0176**	**0.0000**	**54.9762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

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3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0420	0.0000	0.0420	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5124	0.3672	6.2000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	**0.0181**	**0.5124**	**0.3672**	**6.2000e-004**	**0.0420**	**2.0000e-003**	**0.0440**	**0.0165**	**2.0000e-003**	**0.0185**	**0.0000**	**54.5351**	**54.5351**	**0.0176**	**0.0000**	**54.9761**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5700e-003	0.1780	0.0516	8.6000e-004	0.0264	1.7700e-003	0.0281	7.2400e-003	1.6900e-003	8.9300e-003	0.0000	85.0228	85.0228	3.6200e-003	0.0135	89.1294
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.2000e-004	6.5100e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7127	1.7127	4.0000e-005	5.0000e-005	1.7277
Total	**4.2700e-003**	**0.1785**	**0.0581**	**8.8000e-004**	**0.0285**	**1.7800e-003**	**0.0303**	**7.8200e-003**	**1.7000e-003**	**9.5200e-003**	**0.0000**	**86.7356**	**86.7356**	**3.6600e-003**	**0.0135**	**90.8571**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.3668	0.4142	6.9000e-004		0.0178	0.0178		0.0168	0.0168	0.0000	59.1102	59.1102	0.0141	0.0000	59.4618
Total	**0.0401**	**0.3668**	**0.4142**	**6.9000e-004**		**0.0178**	**0.0178**		**0.0168**	**0.0168**	**0.0000**	**59.1102**	**59.1102**	**0.0141**	**0.0000**	**59.4618**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0276	0.6006	0.4558	6.9000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	59.1101	59.1101	0.0141	0.0000	59.4617
Total	**0.0276**	**0.6006**	**0.4558**	**6.9000e-004**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**59.1101**	**59.1101**	**0.0141**	**0.0000**	**59.4617**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8400e-003	0.0602	0.0244	2.9000e-004	0.0103	4.3000e-004	0.0107	2.9700e-003	4.1000e-004	3.3800e-003	0.0000	28.4430	28.4430	7.4000e-004	4.2000e-003	29.7141
Worker	0.0145	0.0108	0.1352	3.8000e-004	0.0456	2.3000e-004	0.0458	0.0121	2.1000e-004	0.0123	0.0000	35.5946	35.5946	9.3000e-004	9.7000e-004	35.9057
Total	**0.0163**	**0.0710**	**0.1596**	**6.7000e-004**	**0.0559**	**6.6000e-004**	**0.0565**	**0.0151**	**6.2000e-004**	**0.0157**	**0.0000**	**64.0375**	**64.0375**	**1.6700e-003**	**5.1700e-003**	**65.6198**

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3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0662	0.6050	0.7275	1.2100e-003		0.0276	0.0276		0.0260	0.0260	0.0000	104.3321	104.3321	0.0247	0.0000	104.9489
Total	**0.0662**	**0.6050**	**0.7275**	**1.2100e-003**		**0.0276**	**0.0276**		**0.0260**	**0.0260**	**0.0000**	**104.3321**	**104.3321**	**0.0247**	**0.0000**	**104.9489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

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3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0486	1.0600	0.8043	1.2100e-003		6.1000e-003	6.1000e-003		6.1000e-003	6.1000e-003	0.0000	104.3320	104.3320	0.0247	0.0000	104.9488
Total	**0.0486**	**1.0600**	**0.8043**	**1.2100e-003**		**6.1000e-003**	**6.1000e-003**		**6.1000e-003**	**6.1000e-003**	**0.0000**	**104.3320**	**104.3320**	**0.0247**	**0.0000**	**104.9488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1700e-003	0.1072	0.0423	5.1000e-004	0.0182	7.5000e-004	0.0189	5.2400e-003	7.2000e-004	5.9600e-003	0.0000	49.5025	49.5025	1.2700e-003	7.3100e-003	51.7137
Worker	0.0238	0.0169	0.2225	6.6000e-004	0.0804	3.9000e-004	0.0808	0.0214	3.6000e-004	0.0217	0.0000	61.4765	61.4765	1.4900e-003	1.5800e-003	61.9844
Total	**0.0269**	**0.1241**	**0.2648**	**1.1700e-003**	**0.0986**	**1.1400e-003**	**0.0997**	**0.0266**	**1.0800e-003**	**0.0277**	**0.0000**	**110.9790**	**110.9790**	**2.7600e-003**	**8.8900e-003**	**113.6982**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0427	0.0634	1.0000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9361**	**0.0427**	**0.0634**	**1.0000e-004**		**2.1300e-003**	**2.1300e-003**		**2.1300e-003**	**2.1300e-003**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

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3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9900e-003	0.0823	0.0641	1.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	8.9364	8.9364	5.0000e-004	0.0000	8.9490
Total	**0.9338**	**0.0823**	**0.0641**	**1.0000e-004**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**8.9364**	**8.9364**	**5.0000e-004**	**0.0000**	**8.9490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.6600e-003	0.0350	1.0000e-004	0.0127	6.0000e-005	0.0127	3.3600e-003	6.0000e-005	3.4200e-003	0.0000	9.6804	9.6804	2.4000e-004	2.5000e-004	9.7603
Total	**3.7400e-003**	**2.6600e-003**	**0.0350**	**1.0000e-004**	**0.0127**	**6.0000e-005**	**0.0127**	**3.3600e-003**	**6.0000e-005**	**3.4200e-003**	**0.0000**	**9.6804**	**9.6804**	**2.4000e-004**	**2.5000e-004**	**9.7603**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4100e-003	0.0714	0.1097	1.7000e-004		3.5100e-003	3.5100e-003		3.2300e-003	3.2300e-003	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0107**	**0.0714**	**0.1097**	**1.7000e-004**		**3.5100e-003**	**3.5100e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9800e-003	0.1509	0.1297	1.7000e-004		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	15.0199	15.0199	4.8600e-003	0.0000	15.1413
Paving	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1509**	**0.1297**	**1.7000e-004**		**7.5000e-004**	**7.5000e-004**		**7.5000e-004**	**7.5000e-004**	**0.0000**	**15.0199**	**15.0199**	**4.8600e-003**	**0.0000**	**15.1413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	3.4100e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9429	0.9429	2.0000e-005	2.0000e-005	0.9507
Total	**3.6000e-004**	**2.6000e-004**	**3.4100e-003**	**1.0000e-005**	**1.2300e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**0.9429**	**0.9429**	**2.0000e-005**	**2.0000e-005**	**0.9507**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840
Unmitigated	0.5783	3.2833	6.4507	0.0234	1.6056	0.0299	1.6355	0.4336	0.0284	0.4620	0.0000	2,250.5765	2,250.5765	0.1031	0.2306	2,321.8840

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	95.94	95.94	95.94	411,156	411,156
Unrefrigerated Warehouse-No Rail	865.19	865.19	865.19	3,707,958	3,707,958
Total	961.13	961.13	961.13	4,119,114	4,119,114

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Refrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.052000	0.240000	0.000000	0.000000	0.025076	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.1966	219.1966	0.0185	2.2400e-003	220.3274
NaturalGas Mitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852
NaturalGas Unmitigated	7.4300e-003	0.0676	0.0568	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.5482	73.5482	1.4100e-003	1.3500e-003	73.9852

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02115e+006	5.5100e-003	0.0501	0.0421	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4925	54.4925	1.0400e-003	1.0000e-003	54.8163
Unrefrigerated Warehouse-No Rail	357091	1.9300e-003	0.0175	0.0147	1.1000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0557	19.0557	3.7000e-004	3.5000e-004	19.1690
Total		**7.4400e-003**	**0.0676**	**0.0568**	**4.1000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.5482**	**73.5482**	**1.4100e-003**	**1.3500e-003**	**73.9852**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	37380	6.6292	5.6000e-004	7.0000e-005	6.6634
Refrigerated Warehouse-No Rail	786442	139.4719	0.0118	1.4300e-003	140.1914
Unrefrigerated Warehouse-No Rail	412164	73.0955	6.1700e-003	7.5000e-004	73.4726
Total		**219.1966**	**0.0185**	**2.2500e-003**	**220.3274**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Unmitigated	0.8145	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.5000e-004	5.0000e-005	5.9400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0116	0.0116	3.0000e-005	0.0000	0.0123
Total	**0.8145**	**5.0000e-005**	**5.9400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0116**	**0.0116**	**3.0000e-005**	**0.0000**	**0.0123**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	124.2616	1.4967	0.0363	172.4810
Unmitigated	124.2616	1.4967	0.0363	172.4810

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.21616	4.3665	3.7000e-004	4.0000e-005	4.3890
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.56487 / 0	11.9895	0.1496	3.6200e-003	16.8092
Unrefrigerated Warehouse-No Rail	41.0839 / 0	107.9056	1.3467	0.0326	151.2828
Total		**124.2616**	**1.4967**	**0.0362**	**172.4810**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.6995	2.2280	0.0000	93.3989
Unmitigated	37.6995	2.2280	0.0000	93.3989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.16	0.0325	1.9200e-003	0.0000	0.0805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.56	3.7675	0.2227	0.0000	9.3339
Unrefrigerated Warehouse-No Rail	167	33.8995	2.0034	0.0000	83.9846
Total		**37.6995**	**2.2280**	**0.0000**	**93.3989**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Energy	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	138.4023	138.4023	9.8600e-003	1.6400e-003	139.1382
Mobile	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Waste						0.0000	0.0000		0.0000	0.0000	37.1656	0.0000	37.1656	2.1964	0.0000	92.0762
Water						0.0000	0.0000		0.0000	0.0000	14.2146	103.5456	117.7602	1.4687	0.0355	165.0667
Total	**1.4405**	**3.8068**	**6.9473**	**0.0238**	**1.5463**	**0.0433**	**1.5896**	**0.4175**	**0.0413**	**0.4589**	**51.4864**	**2,497.8101**	**2,549.2965**	**3.7826**	**0.2682**	**2,723.7950**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Energy	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	138.4023	138.4023	9.8600e-003	1.6400e-003	139.1382
Mobile	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Waste						0.0000	0.0000		0.0000	0.0000	37.1656	0.0000	37.1656	2.1964	0.0000	92.0762
Water						0.0000	0.0000		0.0000	0.0000	14.2146	103.5456	117.7602	1.4687	0.0355	165.0667
Total	**1.4405**	**3.8068**	**6.9473**	**0.0238**	**1.5463**	**0.0433**	**1.5896**	**0.4175**	**0.0413**	**0.4589**	**51.4864**	**2,497.8101**	**2,549.2965**	**3.7826**	**0.2682**	**2,723.7950**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712
Unmitigated	0.6380	3.7809	6.9074	0.0236	1.5463	0.0403	1.5866	0.4175	0.0384	0.4559	0.0000	2,255.6365	2,255.6365	0.1073	0.2311	2,327.1712

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.5216	110.5216	9.3300e-003	1.1300e-003	111.0918
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	110.5216	110.5216	9.3300e-003	1.1300e-003	111.0918
NaturalGas Mitigated	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.3000e-004	5.1000e-004	28.0464
NaturalGas Unmitigated	2.8200e-003	0.0255	0.0207	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.8807	27.8807	5.3000e-004	5.1000e-004	28.0464

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	36857.7	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9669	1.9669	4.0000e-005	4.0000e-005	1.9786
Unrefrigerated Warehouse-No Rail	485607	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9139	25.9139	5.0000e-004	4.8000e-004	26.0678
Total		**2.8200e-003**	**0.0255**	**0.0207**	**1.5000e-004**		**1.9500e-003**	**1.9500e-003**		**1.9500e-003**	**1.9500e-003**	**0.0000**	**27.8807**	**27.8807**	**5.4000e-004**	**5.2000e-004**	**28.0464**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	36857.7	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9669	1.9669	4.0000e-005	4.0000e-005	1.9786
Unrefrigerated Warehouse-No Rail	485607	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9139	25.9139	5.0000e-004	4.8000e-004	26.0678
Total		**2.8200e-003**	**0.0255**	**0.0207**	**1.5000e-004**		**1.9500e-003**	**1.9500e-003**		**1.9500e-003**	**1.9500e-003**	**0.0000**	**27.8807**	**27.8807**	**5.4000e-004**	**5.2000e-004**	**28.0464**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7967.72	1.4130	1.2000e-004	1.0000e-005	1.4203
Unrefrigerated Warehouse-No Rail	615231	109.1086	9.2100e-003	1.1200e-003	109.6714
Total		**110.5216**	**9.3300e-003**	**1.1300e-003**	**111.0918**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7967.72	1.4130	1.2000e-004	1.0000e-005	1.4203
Unrefrigerated Warehouse-No Rail	615231	109.1086	9.2100e-003	1.1200e-003	109.6714
Total		**110.5216**	**9.3300e-003**	**1.1300e-003**	**111.0918**

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428
Unmitigated	0.7997	4.0000e-004	0.0192	2.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.1062	0.2258	0.3320	3.5000e-004	1.0000e-005	0.3428

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	2.6000e-004	6.3600e-003	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3204
Landscaping	5.4000e-004	1.4000e-004	0.0128	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0217	0.0217	3.0000e-005	0.0000	0.0224
Total	**0.7997**	**4.0000e-004**	**0.0192**	**2.0000e-005**		**1.0200e-003**	**1.0200e-003**		**1.0200e-003**	**1.0200e-003**	**0.1062**	**0.2258**	**0.3320**	**3.5000e-004**	**1.0000e-005**	**0.3428**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	2.6000e-004	6.3600e-003	2.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3204
Landscaping	5.4000e-004	1.4000e-004	0.0128	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0217	0.0217	3.0000e-005	0.0000	0.0224
Total	**0.7997**	**4.0000e-004**	**0.0192**	**2.0000e-005**		**1.0200e-003**	**1.0200e-003**		**1.0200e-003**	**1.0200e-003**	**0.1062**	**0.2258**	**0.3320**	**3.5000e-004**	**1.0000e-005**	**0.3428**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	117.7602	1.4687	0.0355	165.0667
Unmitigated	117.7602	1.4687	0.0355	165.0667

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.2521	2.1400e-003	5.0000e-005	0.3213
Unrefrigerated Warehouse-No Rail	44.7399 / 0	117.5081	1.4666	0.0355	164.7454
Total		**117.7602**	**1.4687**	**0.0355**	**165.0667**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.2521	2.1400e-003	5.0000e-005	0.3213
Unrefrigerated Warehouse-No Rail	44.7399 / 0	117.5081	1.4666	0.0355	164.7454
Total		**117.7602**	**1.4687**	**0.0355**	**165.0667**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.1656	2.1964	0.0000	92.0762
Unmitigated	37.1656	2.1964	0.0000	92.0762

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Unrefrigerated Warehouse-No Rail	181.86	36.9159	2.1817	0.0000	91.4577
Total		**37.1656**	**2.1964**	**0.0000**	**92.0762**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Unrefrigerated Warehouse-No Rail	181.86	36.9159	2.1817	0.0000	91.4577
Total		**37.1656**	**2.1964**	**0.0000**	**92.0762**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Existing Uses

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	1.6136	0.0000	0.0000	1.4845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.6136**	**0.0000**	**0.0000**	**1.4845**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	1.6136	0.0000	0.0000	1.4845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.6136**	**0.0000**	**0.0000**	**1.4845**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Total	**8.5486**	**19.7310**	**41.4139**	**0.1363**	**8.6541**	**0.3092**	**8.9633**	**2.3329**	**0.2985**	**2.6314**	**9.3669**	**14,284.3726**	**14,293.7395**	**0.6715**	**1.3891**	**14,724.4837**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Total	**8.5486**	**19.7310**	**41.4139**	**0.1363**	**8.6541**	**0.3092**	**8.9633**	**2.3329**	**0.2985**	**2.6314**	**9.3669**	**14,284.3726**	**14,293.7395**	**0.6715**	**1.3891**	**14,724.4837**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297
Unmitigated	3.9060	19.5693	40.6894	0.1342	8.6541	0.2216	8.8757	2.3329	0.2109	2.5438		14,097.7805	14,097.7805	0.6401	1.3854	14,526.6297

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
NaturalGas Unmitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	100.98	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1330.43	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		**0.0154**	**0.1397**	**0.1135**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.4012**	**168.4012**	**3.2300e-003**	**3.0900e-003**	**169.4020**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.10098	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1.33043	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		**0.0154**	**0.1397**	**0.1135**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.4012**	**168.4012**	**3.2300e-003**	**3.0900e-003**	**169.4020**

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Unmitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	**4.6272**	**0.0219**	**0.6109**	**1.3100e-003**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**9.3669**	**18.1909**	**27.5578**	**0.0282**	**6.4000e-004**	**28.4520**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	**4.6272**	**0.0219**	**0.6109**	**1.3100e-003**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**9.3669**	**18.1909**	**27.5578**	**0.0282**	**6.4000e-004**	**28.4520**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

301 Tennessee Street Warehouse Project - Existing Uses

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	193.47	1000sqft	4.44	193,469.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site is currently developed with a single home and a 193,469 sq ft warehouse

Construction Phase - Operational run only

Grading -

Vehicle Trips - Based on trip generation for the proposed project, warehouse would have 919 ADT and single-family house would have 9 ADT

Fleet Mix - Based on fleet mix distribution from traffic analysis of 53 medium trucks and 161 heavy trucks. Default fleet mix for single-family house.

Energy Use - Using historical data

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	12/5/2022	11/28/2022

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	1,269.07	1,269.07
tblEnergyUse	T24NG	30,907.53	30,907.53
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.53	0.34
tblFleetMix	MH	5.3230e-003	0.00
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.6900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5700e-004	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	ST_TR	1.74	4.75
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	SU_TR	1.74	4.75
tblVehicleTrips	WD_TR	9.44	9.43
tblVehicleTrips	WD_TR	1.74	4.75

2.0 Emissions Summary

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	1.6136	0.0000	0.0000	1.4845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.6136**	**0.0000**	**0.0000**	**1.4845**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	1.6136	0.0000	0.0000	1.4845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.6136**	**0.0000**	**0.0000**	**1.4845**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Total	**8.1474**	**20.7706**	**37.3513**	**0.1312**	**8.6541**	**0.3096**	**8.9637**	**2.3329**	**0.2989**	**2.6318**	**9.3669**	**13,767.5429**	**13,776.9099**	**0.6759**	**1.3994**	**14,210.8134**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Energy	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
Mobile	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Total	**8.1474**	**20.7706**	**37.3513**	**0.1312**	**8.6541**	**0.3096**	**8.9637**	**2.3329**	**0.2989**	**2.6318**	**9.3669**	**13,767.5429**	**13,776.9099**	**0.6759**	**1.3994**	**14,210.8134**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/29/2022	11/28/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594
Unmitigated	3.5049	20.6090	36.6269	0.1291	8.6541	0.2220	8.8761	2.3329	0.2113	2.5442		13,580.9508	13,580.9508	0.6445	1.3956	14,012.9594

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.43	9.43	9.43	32,224	32,224
Unrefrigerated Warehouse-No Rail	918.98	918.98	918.98	3,938,478	3,938,478
Total	928.41	928.41	928.41	3,970,702	3,970,702

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323
Unrefrigerated Warehouse-No Rail	0.341319	0.055593	0.171990	0.141576	0.027719	0.007281	0.057000	0.172000	0.000000	0.000000	0.025522	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020
NaturalGas Unmitigated	0.0154	0.1397	0.1135	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.4012	168.4012	3.2300e-003	3.0900e-003	169.4020

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	100.98	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1330.43	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		**0.0154**	**0.1397**	**0.1135**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.4012**	**168.4012**	**3.2300e-003**	**3.0900e-003**	**169.4020**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.10098	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8800	11.8800	2.3000e-004	2.2000e-004	11.9506
Unrefrigerated Warehouse-No Rail	1.33043	0.0144	0.1304	0.1096	7.8000e-004		9.9100e-003	9.9100e-003		9.9100e-003	9.9100e-003		156.5213	156.5213	3.0000e-003	2.8700e-003	157.4514
Total		**0.0154**	**0.1397**	**0.1135**	**8.4000e-004**		**0.0107**	**0.0107**		**0.0107**	**0.0107**		**168.4012**	**168.4012**	**3.2300e-003**	**3.0900e-003**	**169.4020**

6.0 Area Detail

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520
Unmitigated	4.6271	0.0219	0.6109	1.3000e-003		0.0769	0.0769		0.0769	0.0769	9.3669	18.1909	27.5578	0.0282	6.4000e-004	28.4520

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	**4.6272**	**0.0219**	**0.6109**	**1.3100e-003**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**9.3669**	**18.1909**	**27.5578**	**0.0282**	**6.4000e-004**	**28.4520**

301 Tennessee Street Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8663					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2620	0.0208	0.5086	1.3000e-003		0.0764	0.0764		0.0764	0.0764	9.3669	18.0000	27.3669	0.0279	6.4000e-004	28.2547
Landscaping	4.3300e-003	1.1300e-003	0.1024	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004		0.1909	0.1909	2.6000e-004		0.1973
Total	**4.6272**	**0.0219**	**0.6109**	**1.3100e-003**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**9.3669**	**18.1909**	**27.5578**	**0.0282**	**6.4000e-004**	**28.4520**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

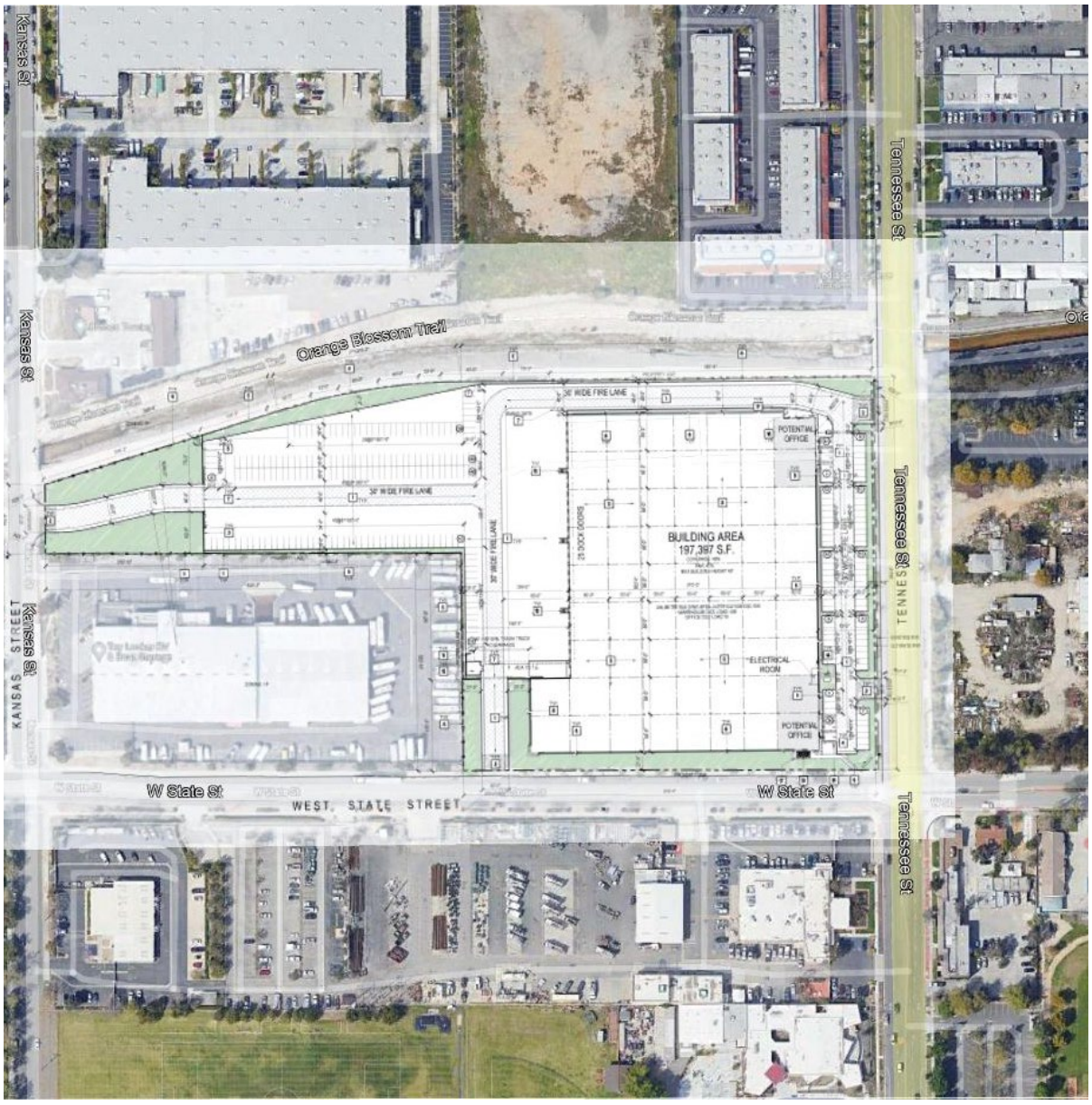
Equipment Type	Number

11.0 Vegetation

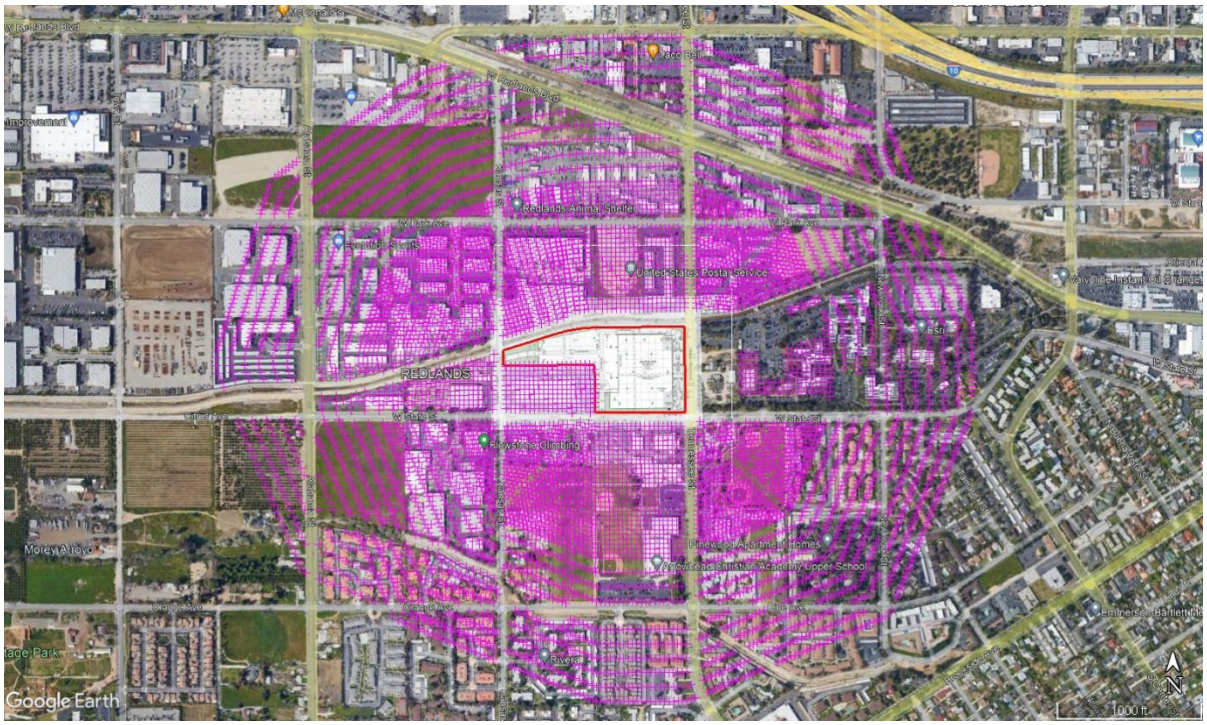
APPENDIX B

HRA MODEL SNAPSHOTS AND OUTPUTS

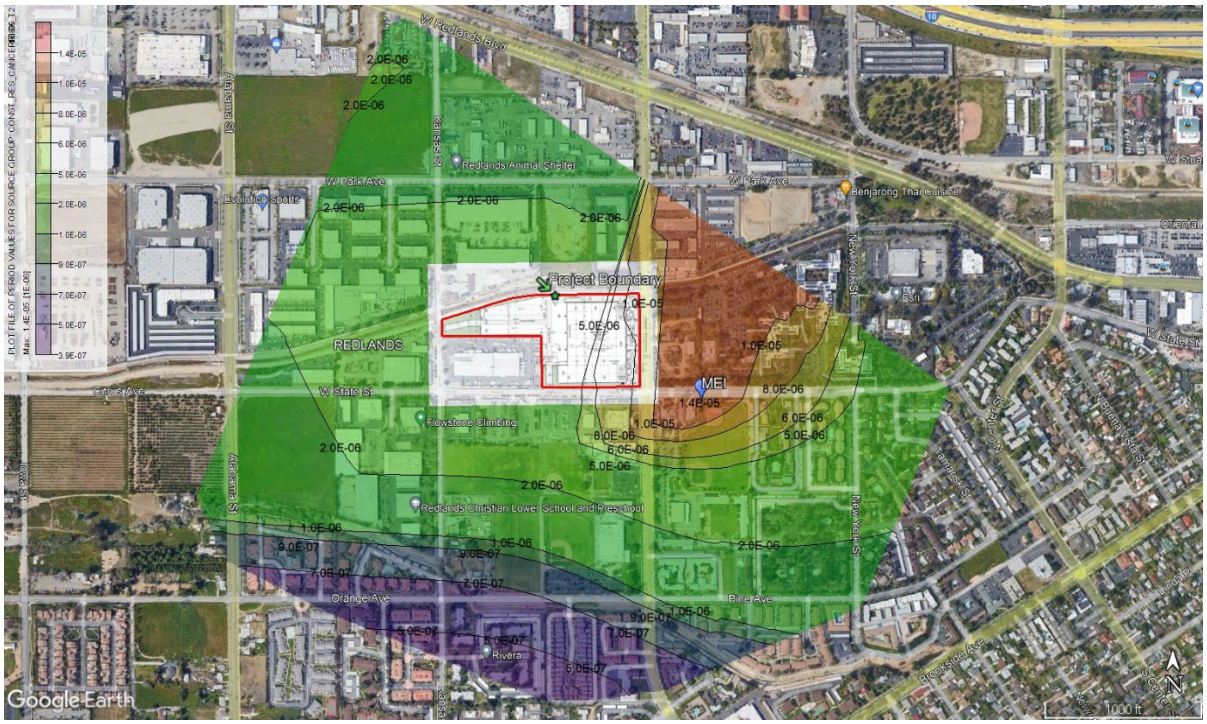
Site Plan


Kansas St
Tennessee St
Orange Blossom Trail
BUILDING AREA
197,397 S.F.
POTENTIAL OFFICE
ELECTRICAL ROOM
W State St
WEST STATE STREET

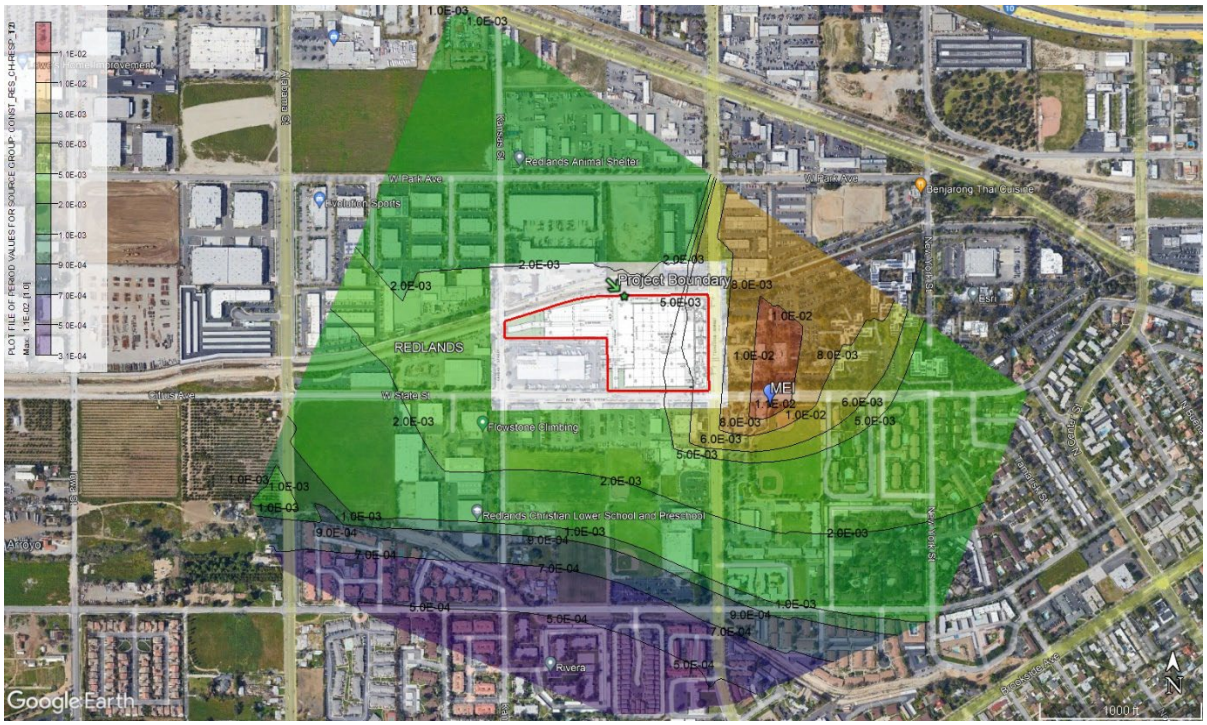
Receptor Grid



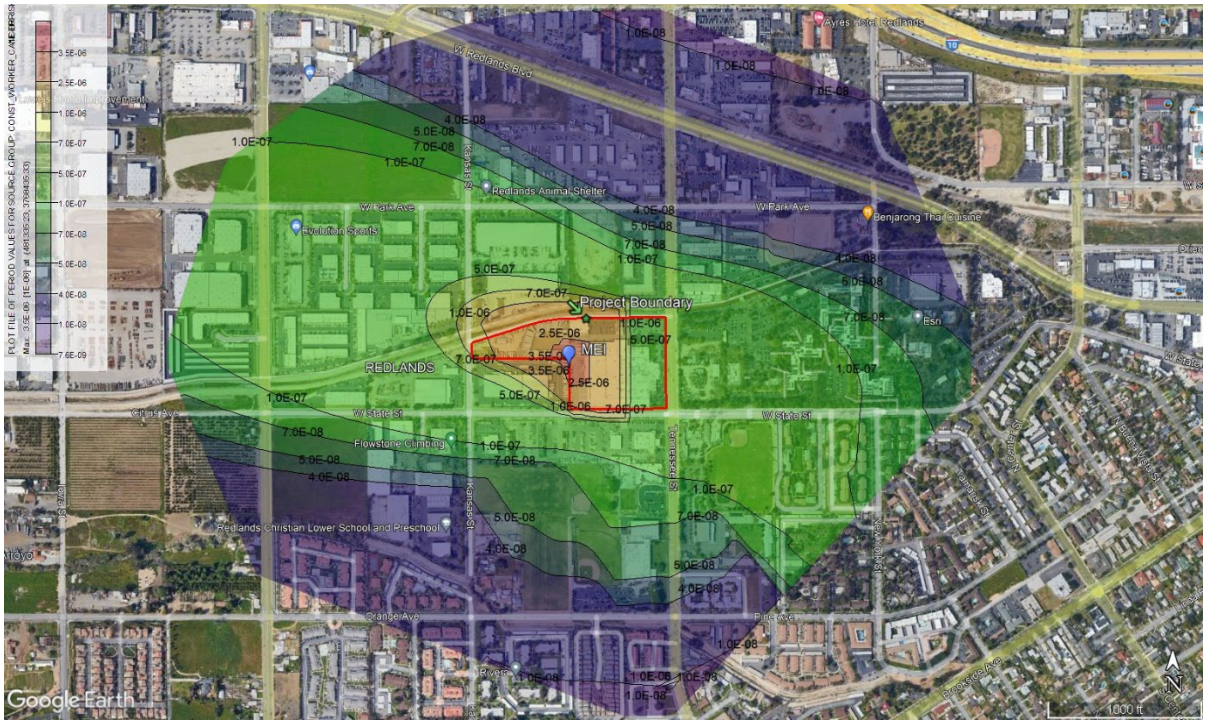
Unmitigated Construction Cancer Risk – Sensitive/Day Care Receptors



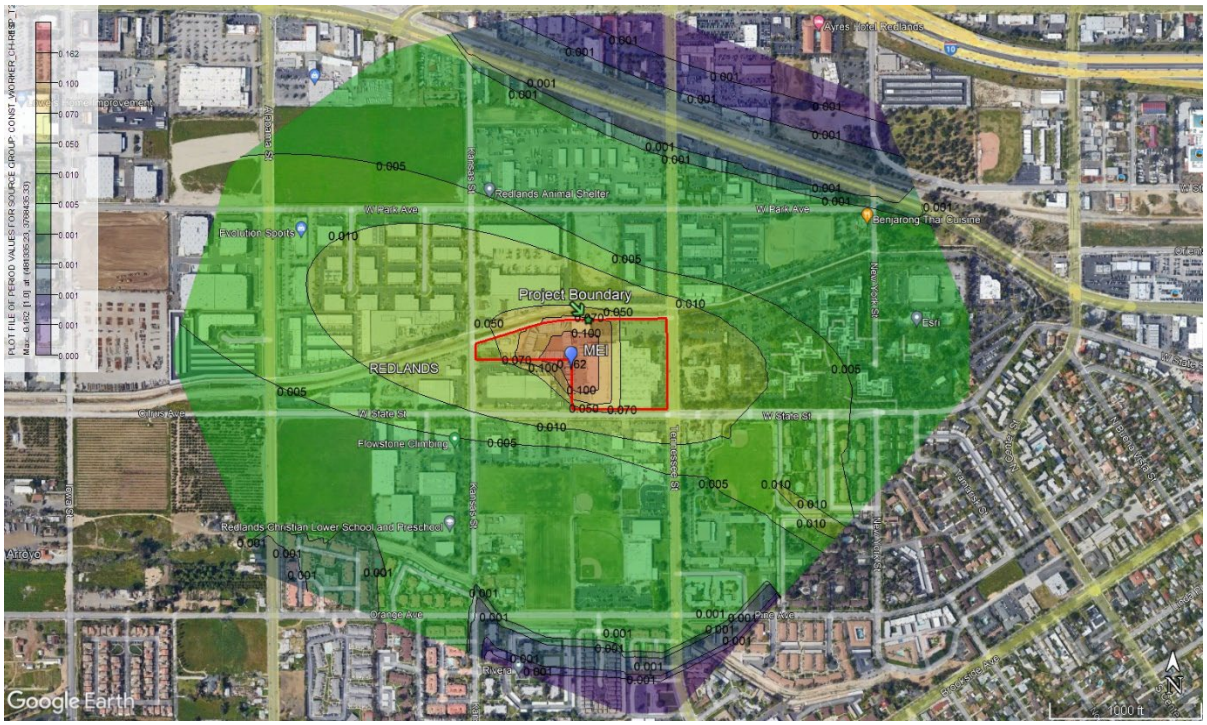
Unmitigated Construction Chronic Hazard Index – Sensitive/Day Care Receptors



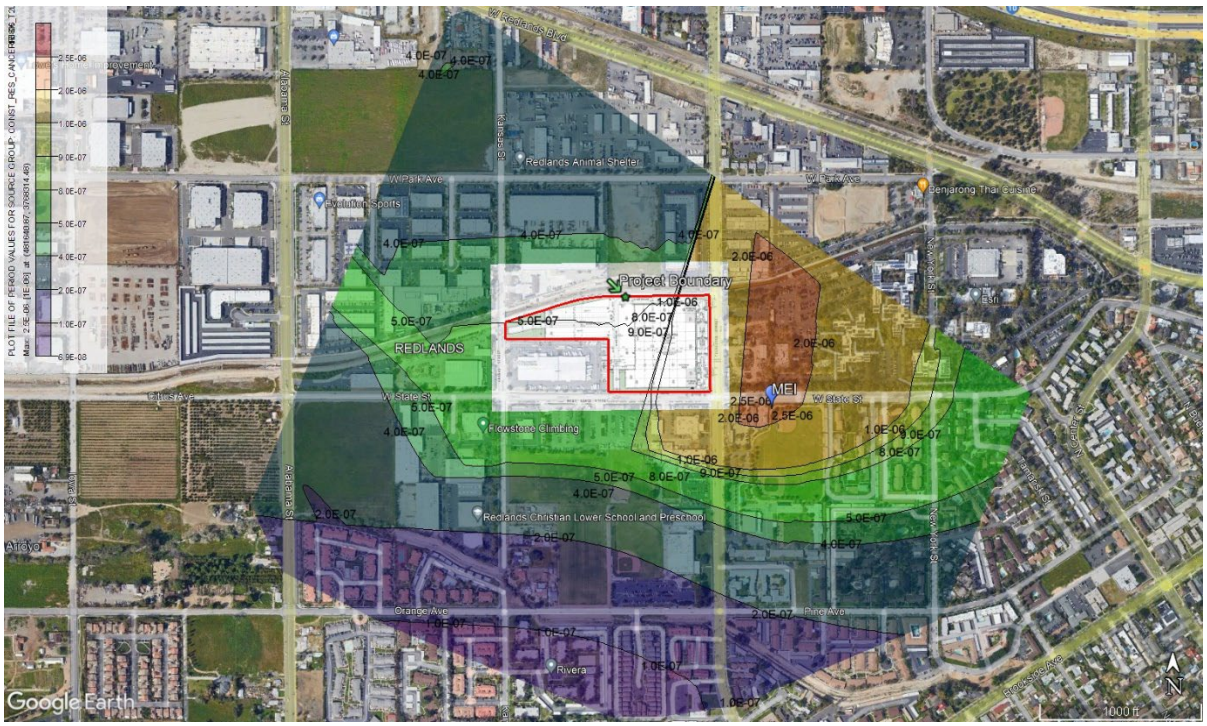
Unmitigated Construction Cancer Risk – Worker Receptors



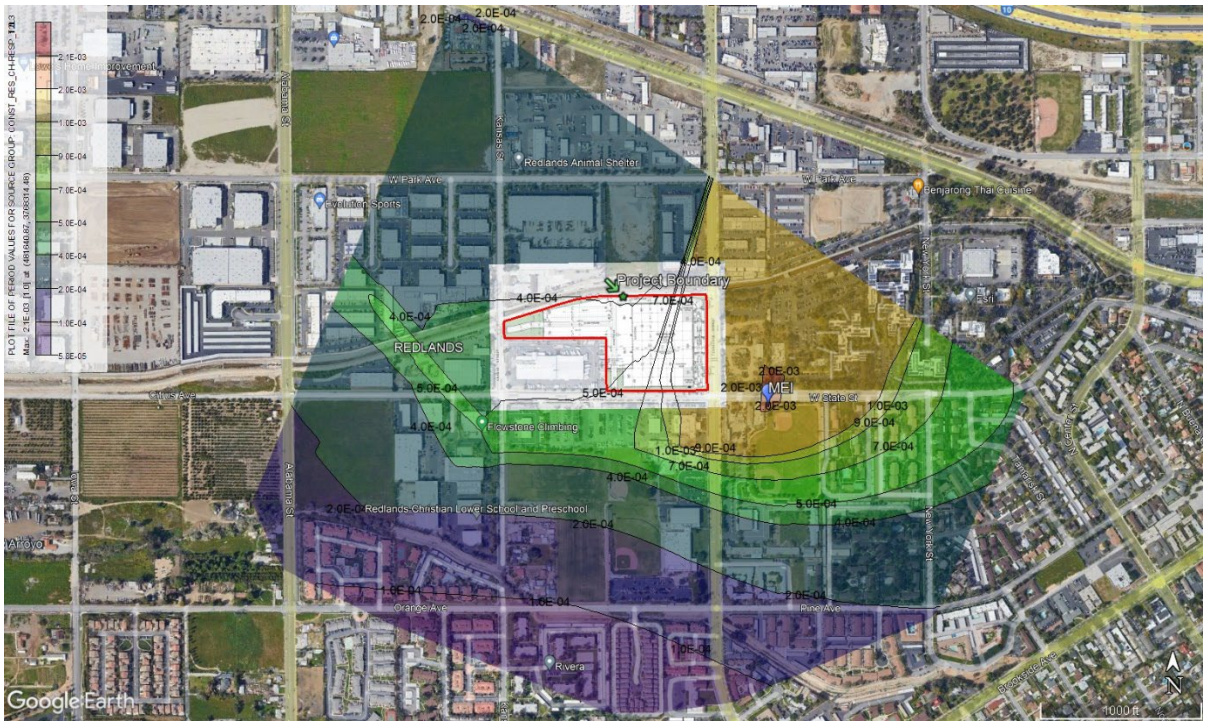
Unmitigated Construction Chronic Hazard Index – Worker Receptors



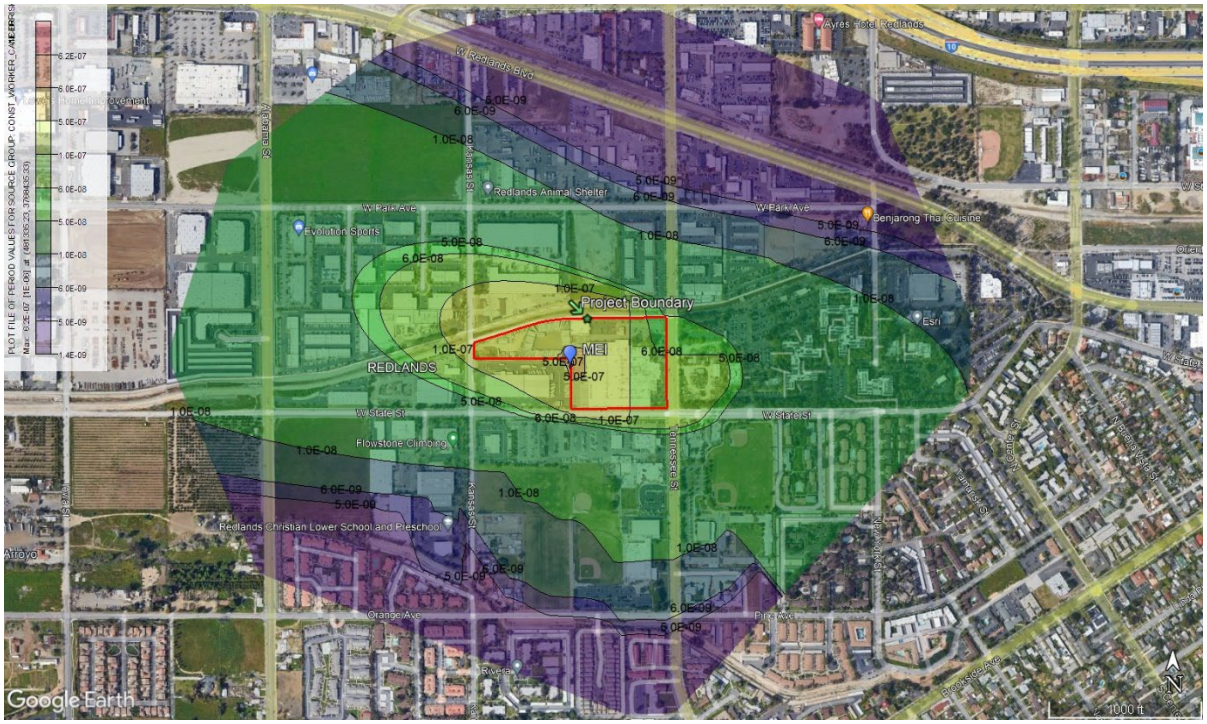
Mitigated Construction Cancer Risk – Sensitive/Day Care Receptors



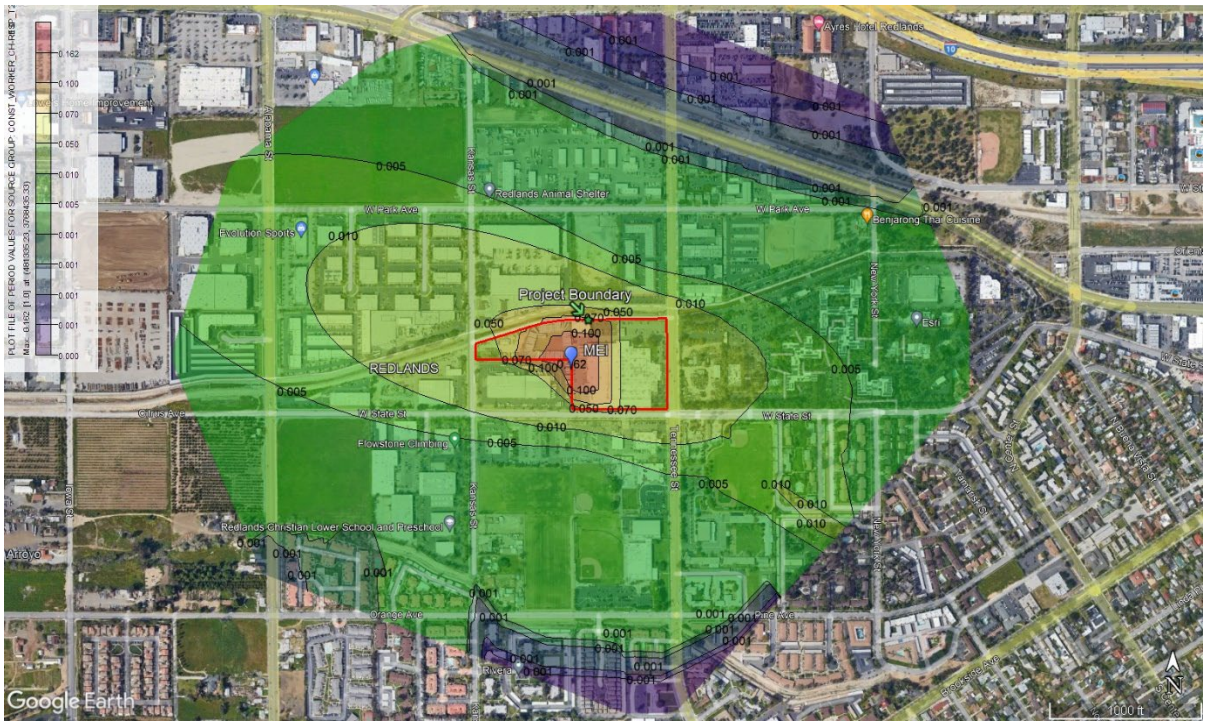
Mitigated Construction Chronic Hazard Index – Sensitive/Day Care Receptors



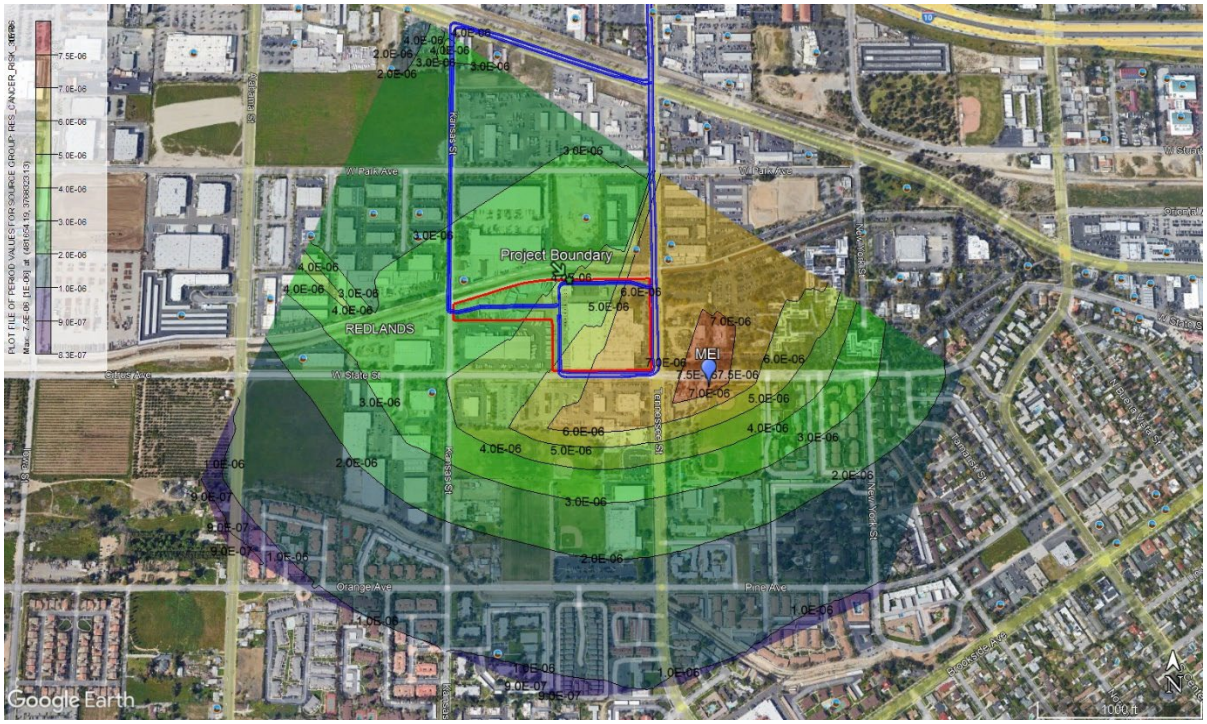
Mitigated Construction Cancer Risk – Worker Receptors



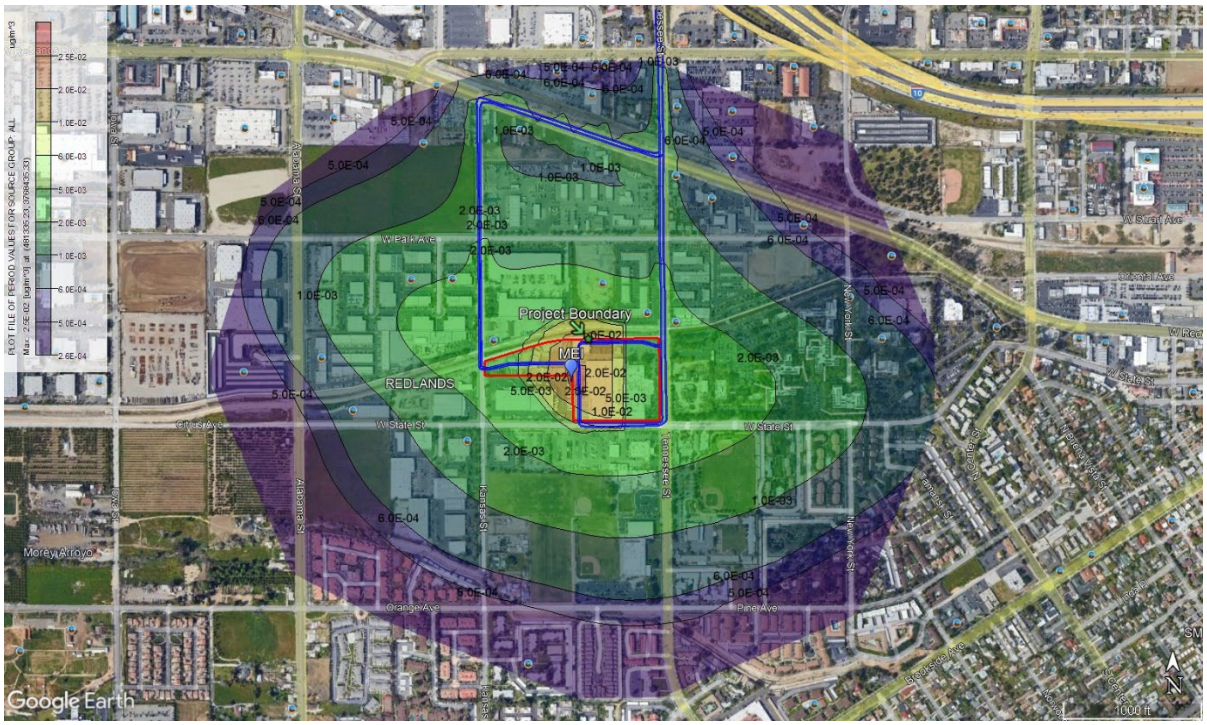
Mitigated Construction Chronic Hazard Index – Worker Receptors



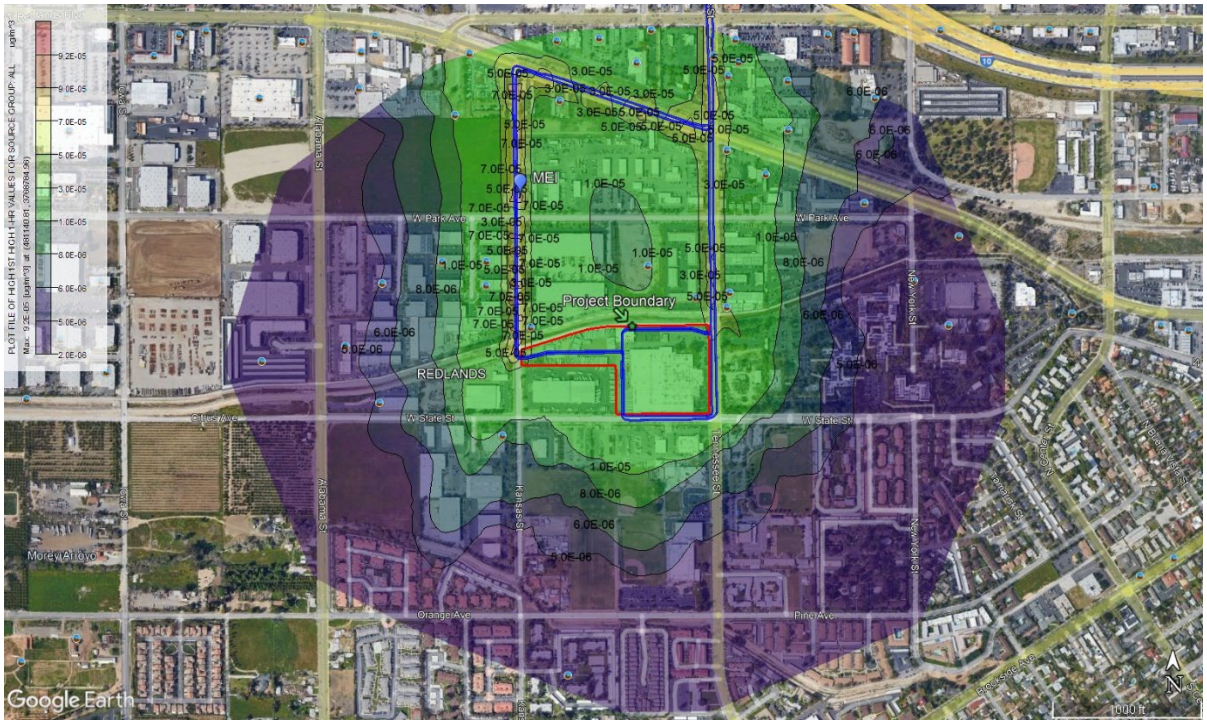
Operational Cancer Risk



Operational Chronic Hazard Index



Operational Acute Hazard Index



Construction	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	2.92	12.36	13.56
Chronic HI	1.64E-01	1.15E-02	1.49E-02
Acute HI	0.0	0.0	
PM 2.5	0.820	0.058	0.075

Construction (T2)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	3.31	13.92	14.03
Chronic HI	1.62E-01	1.14E-02	1.48E-02
Acute HI	0.0	0.0	
PM 2.5	0.812	0.057	0.074

Construction (T2L3)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	0.59	2.49	2.55
Chronic HI	2.98E-02	2.10E-03	2.71E-03
Acute HI	0.0	0.0	
PM 2.5	0.149	0.011	0.014

Construction (T4)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	0.40	1.66	1.52
Chronic HI	1.66E-02	1.17E-03	1.51E-03
Acute HI	0.0	0.0	
PM 2.5	0.083	0.006	0.008

Operational	Worker Receptor	Sensitive Receptor	Day Care
30Yr Cancer Risk (in a Million)	---	7.49	---
70Yr Cancer Risk (in a Million)	---	8.74	---
9Yr Cancer Risk (in a Million)	---	---	8.05
25Yr Cancer Risk (in a Million)	7.69	---	---
Chronic HI	2.00E-02	3.63E-03	2.98E-03
Acute HI	9.17E-05	1.30E-05	8.16E-06
PM 2.5	0.1242	0.0181	0.0149

PM 10				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0765	0.0757	0.0139	7.76E-03
Year 2	0.0345	0.0502	8.55E-03	7.38E-03
Year 3	0	0	0	0

PM 2.5				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0712	0.0756	0.0138	7.59E-03
Year 2	0.0325	0.0501	8.48E-03	7.23E-03
Year 3	0	0	0	0

PM 10				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	153	151.4	27.8	15.52
Year 2	69	100.4	17.1	14.76
Year 3	0	0	0	0

PM 2.5				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	142.4	151.2	27.6	15.18
Year 2	65	100.2	16.96	14.46
Year 3	0	0	0	0

PM 10				
% Chng	UM	M	T2L3	T4
Year 1	100%	99%	18%	10%
Year 2	100%	146%	25%	21%
Year 3	0%	0%	0%	0%

PM 2.5				
g/sec	UM	T2	T2L3	T4
Year 1	0.002048	0.002175	0.000397	0.000218
Year 2	0.000935	0.001441	0.000244	0.000208
Year 3	0	0	0	0

			UnMitigated				T2				T2L3				T4			
						1.24E-05				1.39E-05				2.49E-06				1.66E-06
	X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	481320.03	3768234.52	2.3737E-06	9.8863E-07	0.00E+00	3.36E-06	2.35E-06	1.44E-06	0.00E+00	3.79E-06	4.31E-07	2.45E-07	0.00E+00	6.76E-07	2.41E-07	2.11E-07	0.00E+00	4.52E-07
2	481291.59	3768236.3	2.3406E-06	9.7487E-07	0.00E+00	3.32E-06	2.32E-06	1.42E-06	0.00E+00	3.73E-06	4.25E-07	2.42E-07	0.00E+00	6.67E-07	2.37E-07	2.09E-07	0.00E+00	4.46E-07
3	481300.62	3768232.62	2.2669E-06	9.4416E-07	0.00E+00	3.21E-06	2.24E-06	1.37E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.46E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
4	481309.65	3768228.93	2.2036E-06	9.1778E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.00E-07	2.27E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07
5	481318.69	3768225.25	2.1484E-06	8.9478E-07	0.00E+00	3.04E-06	2.13E-06	1.30E-06	0.00E+00	3.43E-06	3.90E-07	2.22E-07	0.00E+00	6.12E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07
6	481327.72	3768221.57	2.1005E-06	8.7486E-07	0.00E+00	2.98E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.82E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07
7	481266.05	3768236.89	0.000002311	9.6251E-07	0.00E+00	3.27E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.20E-07	2.39E-07	0.00E+00	6.58E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07
8	481274.89	3768233.28	2.2331E-06	9.3006E-07	0.00E+00	3.16E-06	2.21E-06	1.35E-06	0.00E+00	3.56E-06	4.06E-07	2.30E-07	0.00E+00	6.36E-07	2.27E-07	1.99E-07	0.00E+00	4.25E-07
9	481283.73	3768229.68	2.1621E-06	9.0051E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.16E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07
10	481292.58	3768226.07	2.0981E-06	8.7384E-07	0.00E+00	2.97E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.81E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07
11	481301.42	3768222.47	2.0414E-06	8.5022E-07	0.00E+00	2.89E-06	2.02E-06	1.24E-06	0.00E+00	3.26E-06	3.71E-07	2.11E-07	0.00E+00	5.82E-07	2.07E-07	1.82E-07	0.00E+00	3.89E-07
12	481310.26	3768218.86	1.9921E-06	8.2968E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.77E-07	0.00E+00	3.80E-07
13	481319.11	3768215.26	1.9489E-06	8.1171E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
14	481327.95	3768211.65	1.9111E-06	7.9598E-07	0.00E+00	2.71E-06	1.89E-06	1.16E-06	0.00E+00	3.05E-06	3.47E-07	1.97E-07	0.00E+00	5.45E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07
15	481241.29	3768237.16	2.2832E-06	9.5093E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.51E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07
16	481249.98	3768233.62	2.2048E-06	9.1829E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07
17	481258.67	3768230.07	2.1323E-06	8.8809E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.08E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
18	481267.35	3768226.53	2.0659E-06	8.6044E-07	0.00E+00	2.93E-06	2.04E-06	1.25E-06	0.00E+00	3.30E-06	3.75E-07	2.13E-07	0.00E+00	5.89E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07
19	481276.04	3768222.99	2.0045E-06	8.3486E-07	0.00E+00	2.84E-06	1.98E-06	1.21E-06	0.00E+00	3.20E-06	3.64E-07	2.07E-07	0.00E+00	5.71E-07	2.03E-07	1.79E-07	0.00E+00	3.82E-07
20	481284.72	3768219.45	1.9485E-06	8.1153E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
21	481293.41	3768215.91	0.000001898	7.9051E-07	0.00E+00	2.69E-06	1.88E-06	1.15E-06	0.00E+00	3.03E-06	3.45E-07	1.96E-07	0.00E+00	5.41E-07	1.93E-07	1.69E-07	0.00E+00	3.62E-07
22	481302.09	3768212.37	1.8531E-06	7.7182E-07	0.00E+00	2.62E-06	1.83E-06	1.12E-06	0.00E+00	2.96E-06	3.37E-07	1.91E-07	0.00E+00	5.28E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07
23	481310.78	3768208.83	1.8141E-06	7.5557E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.89E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
24	481319.46	3768205.29	1.7796E-06	7.4121E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.23E-07	1.84E-07	0.00E+00	5.07E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07
25	481328.15	3768201.75	1.7495E-06	7.2864E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.81E-07	0.00E+00	4.98E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
26	481234.25	3768230.2	2.1064E-06	8.7732E-07	0.00E+00	2.98E-06	2.08E-06	1.28E-06	0.00E+00	3.36E-06	3.83E-07	2.17E-07	0.00E+00	6.00E-07	2.14E-07	1.88E-07	0.00E+00	4.01E-07
27	481242.81	3768226.72	2.0378E-06	8.4873E-07	0.00E+00	2.89E-06	2.02E-06	1.23E-06	0.00E+00	3.25E-06	3.70E-07	2.10E-07	0.00E+00	5.81E-07	2.07E-07	1.82E-07	0.00E+00	3.88E-07
28	481251.36	3768223.23	1.9751E-06	8.2261E-07	0.00E+00	2.80E-06	1.95E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.63E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
29	481259.91	3768219.75	1.9175E-06	7.9863E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.06E-06	3.48E-07	1.98E-07	0.00E+00	5.46E-07	1.95E-07	1.71E-07	0.00E+00	3.65E-07
30	481268.46	3768216.26	1.8645E-06	7.7656E-07	0.00E+00	2.64E-06	1.85E-06	1.13E-06	0.00E+00	2.97E-06	3.39E-07	1.92E-07	0.00E+00	5.31E-07	1.89E-07	1.66E-07	0.00E+00	3.55E-07
31	481277.01	3768212.77	1.8152E-06	7.5602E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
32	481285.56	3768209.29	1.7704E-06	7.3737E-07	0.00E+00	2.51E-06	1.75E-06	1.07E-06	0.00E+00	2.82E-06	3.22E-07	1.83E-07	0.00E+00	5.04E-07	1.80E-07	1.58E-07	0.00E+00	3.37E-07
33	481294.12	3768205.8	1.7299E-06	7.2048E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.76E-06	3.14E-07	1.79E-07	0.00E+00	4.93E-07	1.75E-07	1.54E-07	0.00E+00	3.30E-07
34	481302.67	3768202.32	1.6939E-06	7.055E-07	0.00E+00	2.40E-06	1.68E-06	1.03E-06	0.00E+00	2.70E-06	3.08E-07	1.75E-07	0.00E+00	4.83E-07	1.72E-07	1.51E-07	0.00E+00	3.23E-07
35	481311.22	3768198.83	1.6623E-06	6.9235E-07	0.00E+00	2.35E-06	1.64E-06	1.01E-06	0.00E+00	2.65E-06	3.02E-07	1.72E-07	0.00E+00	4.74E-07	1.69E-07	1.48E-07	0.00E+00	3.17E-07
36	481319.77	3768195.34	1.6342E-06	6.8064E-07	0.00E+00	2.31E-06	1.62E-06	9.90E-07	0.00E+00	2.61E-06	2.97E-07	1.69E-07	0.00E+00	4.66E-07	1.66E-07	1.46E-07	0.00E+00	3.11E-07
37	481328.32	3768191.86	1.6094E-06	6.7029E-07	0.00E+00	2.28E-06	1.59E-06	9.75E-07	0.00E+00	2.57E-06	2.92E-07	1.66E-07	0.00E+00	4.59E-07	1.63E-07	1.43E-07	0.00E+00	3.07E-07
38	481214.96	3768235.72	2.2218E-06	9.2537E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.29E-07	0.00E+00	6.33E-07	2.25E-07	1.98E-07	0.00E+00	4.23E-07
39	481227.88	3768222.98	1.9469E-06	8.1087E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.97E-07	1.73E-07	0.00E+00	3.71E-07
40	481236.97	3768219.28	1.8824E-06	7.8403E-07	0.00E+00	2.67E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.42E-07	1.94E-07	0.00E+00	5.36E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
41	481246.05	3768215.57	1.8238E-06	7.5962E-07	0.00E+00	2.58E-06	1.80E-06	1.11E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.20E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
42	481255.14	3768211.87	1.7707E-06	7.3749E-07	0.00E+00	2.51E-06	1.75E-06	1.07E-06	0.00E+00	2.83E-06	3.22E-07	1.83E-07	0.00E+00	5.05E-07	1.80E-07	1.58E-07	0.00E+00	3.37E-07
43	481264.23	3768208.16	1.7219E-06	7.1716E-07	0.00E+00	2.44E-06	1.70E-06	1.04E-06	0.00E+00	2.75E-06	3.13E-07	1.78E-07	0.00E+00	4.91E-07	1.75E-07	1.53E-07	0.00E+00	3.28E-07
44	481273.31	3768204.46	1.6772E-06	6.9854E-07	0.00E+00	2.38E-06	1.66E-06	1.02E-06	0.00E+00	2.68E-06	3.05E-07	1.73E-07	0.00E+00	4.78E-07	1.70E-07	1.49E-07	0.00E+00	3.20E-07
45	481282.4	3768200.76	0.000001636	6.814E-07	0.00E+00	2.32E-06	1.62E-06	9.91E-07	0.00E+00	2.61E-06	2.97E-07	1.69E-07	0.00E+00	4.66E-07	1.66E-07	1.46E-07	0.00E+00	3.12E-07
46	481291.48	3768197.05	1.5988E-06	6.659E-07	0.00E+00	2.26E-06	1.58E-06	9.69E-07	0.00E+00	2.55E-06	2.91E-07	1.65E-07	0.00E+00	4.56E-07	1.62E-07	1.42E-07	0.00E+00	3.05E-07
47	481300.57	3768193.35	1.5657E-06	6.5209E-07	0.00E+00	2.22E-06	1.55E-06	9.49E-07	0.00E+00	2.50E-06	2.84E-07	1.62E-07	0.00E+00	4.46E-07	1.59E-07	1.39E-07	0.00E+00	2.98E-07
48	481309.66	3768189.65	1.5368E-06	6.4007E-07	0.00E+00	2.18E-06	1.52E-06	9.31E-07	0.00E+00	2.45E-06	2.79E-07	1.59E-07	0.00E+00	4.38E-07	1.56E-07	1.37E-07	0.00E+00	2.93E-07
49	481318.74	3768185.94	1.5109E-06	6.293E-07	0.00E+00	2.14E-06	1.50E-06	9.16E-07	0.00E+00	2.41E-06	2.75E-07	1.56E-07	0.00E+00	4.30E-07	1.53E-07	1.35E-07	0.00E+00	2.88E-07
50	481327.83	3768182.24	1.4882E-06	6.1984E-07	0.00E+00	2.11E-06	1.47E-06	9.02E-07	0.00E+00	2.37E-06	2.70E-07	1.54E-07	0.00E+00	4.24E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
51	481204.35	3768237.44	2.2553E-06	9.3934E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.43E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
52	481208.12	3768228.56	2.0488E-06	8.5332E-07	0.00E+00	2.90E-06	2.03E-06	1.24E-06	0.00E+00	3.27E-06	3.72E-07	2.11E-07	0.00E+00	5.84E-07	2.08E-07	1.83E-07	0.00E+00	3.90E-07
53	481220.82	3768216.04	0.000001811	7.5428E-07	0.00E+00	2.57E-06	1.79E-06	1.10E-06	0.00E+00	2.89E-06	3.29E-07	1.87E-07	0.00E+00	5.16E-07	1.84E-07	1.61E-07	0.00E+00	3.45E-07
54	481229.75	3768212.39	1.7546E-06	7.3076E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
55	481238.69	3768208.75	1.7025E-06	7.0907E-07	0.00E+00	2.41E-06	1.68E-06	1.03E-06	0.00E+00	2.72E-06	3.09E-07	1.76E-07	0.00E+00	4.85E-07	1.73E-07	1.52E-07	0.00E+00	3.24E-07
56	481247.62	3768205.11	1.6555E-06	6.8952E-07	0.00E+00	2.35E-06	1.64E-06	1.00E-06	0.00E+00	2.64E-06	3.01E-07	1.71E-07	0.00E+00	4.72E-07	1.68E-07	1.47E-07	0.00E+00	3.15E-07
57	481256.55	3768201.47	1.6125E-06	6.7158E-07	0.00E+00	2.28E-06	1.60E-06	9.77E-07	0.00E+00	2.57E-06	2.93E-07	1.66E-07	0.00E+00	4.59E-07	1.64E-07	1.44E-07	0.00E+00	3.07E-07
58	481265.49	3768197.83	0.000001573	6.5515E-07	0.00E+00	2.23E-06	1.56E-06	9.53E-07	0.00E+00	2.51E-06	2.86E-07	1.62E-07	0.00E+00	4.48E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
59	481274.42	3768194.19	1.5365E-06	6.3995E-07	0.00E+00	2.18E-06	1.52E-06	9.31E-07	0.00E+00	2.45E-06	2.79E-07	1.59E-07	0.00E+00	4.38E-07	1.56E-07	1.37E-07	0.00E+00	2.93E-07
60	481283.35	3768190.54	1.5027E-06	6.2588E-07	0.00E+00	2.13E-06	1.49E-06	9.11E-07	0.00E+00	2.40E-06	2.73E-07	1.55E-07	0.00E+00	4.28E-07	1.52E-07	1.34E-07	0.00E+00	2.86E-07
61	481292.29	3768186.9	1.4723E-06	6.1322E-07	0.00E+00	2.09E-06	1.46E-06	8.92E-07	0.00E+00	2.35E-06	2.68E-07	1.52E-07	0.00E+00	4.19E-07	1.49E-07	1.31E-07	0.00E+00	2.81E-07
62	481301.22	3768183.26	0.000001445	6.0183E-07	0.00E+00	2.05E-06	1.43E-06	8.76E-07	0.00E+00	2.31E-06	2.63E-07	1.49E-07	0.00E+00	4.12E-07	1.47E-07	1.29E-07	0.00E+00	2.75E-07
63	481310.16	3768179.62	1.4208E-06	5.9177E-07	0.00E+00	2.01E-06	1.41E-06	8.61E-07	0.00E+00	2.27E-06	2.58E-07	1.47E-07	0.00E+00	4.05E-07	1.44E-07	1.27E-07	0.00E+00	2.71E-07
64	481319.09	3768175.98	1.3992E-06	5.8277E-07	0.00E+00	1.98E-06	1.38E-06	8.48E-07	0.00E+00	2.23E-06	2.54E-07	1.44E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
65	481328.02	3768172.34	0.00000138	5.7478E-07	0.00E+00	1.95E-06	1.37E-06	8.36E-07	0.00E+00	2.20E-06	2.51E-07	1.42E-07	0.00E+00	3.93E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
66	481193.84	3768238.92	2.2826E-06	9.5069E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07
67	481197.55	3768230.17	2.0751E-06	8.6426E-07	0.00E+00	2.94E-06	2.05E-06	1.26E-06	0.00E+00	3.31E-06	3.77E-07	2.14E-07	0.00E+00	5.91E-07	2.10E-07	1.85E-07	0.00E+00	3.95E-07
68	481201.27	3768221.42	1.8965E-06	7.8988E-07	0.00E+00	2.69E-06	1.88E-06	1.15E-06	0.00E+00	3.03E-06	3.45E-07	1.96E-07	0.00E+00	5.40E-07	1.92E-07	1.69E-07	0.00E+00	3.61E-07
69	481213.78	3768209.08	0.00000169	7.0388E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.70E-06	3.07E-07	1.74E-07	0.00E+00	4.82E-07	1.71E-07	1.51E-07	0.00E+00	3.22E-07
70	481222.58	3768205.5	1.6406E-06	6.8332E-07	0.00E+00	2.32E-06	1.62E-06	9.94E-07	0.00E+00	2.62E-06	2.98E-07	1.69E-07	0.00E+00	4.67E-07	1.66E-07	1.46E-07	0.00E+00	3.13E-07
71	481231.38	3768201.91	1.5946E-06	6.6416E-07	0.00E+00	2.26E-06	1.58E-06	9.66E-07	0.00E+00	2.54E-06	2.90E-07	1.65E-07	0.00E+00	4.54E-07	1.62E-07	1.42E-07	0.00E+00	3.04E-07
72	481240.18	3768198.32	0.000001552	6.4642E-07	0.00E+00	2.20E-06	1.54E-06	9.41E-07	0.00E+00	2.48E-06	2.82E-07	1.60E-07	0.00E+00	4.42E-07	1.57E-07	1.38E-07	0.00E+00	2.96E-07
73	481248.99	3768194.73	1.5138E-06	6.3048E-07	0.00E+00	2.14E-06	1.50E-06	9.17E-07	0.00E+00	2.42E-06	2.75E-07	1.56E-07	0.00E+00	4.31E-07	1.54E-07	1.35E-07	0.00E+00	2.88E-07
74	481257.79	3768191.15	1.4786E-06	6.1581E-07	0.00E+00	2.09E-06	1.46E-06	8.96E-07	0.00E+00	2.36E-06	2.69E-07	1.53E-07	0.00E+00	4.21E-07	1.50E-07	1.32E-07	0.00E+00	2.82E-07
75	481266.59	3768187.56	1.4461E-06	6.0228E-07	0.00E+00	2.05E-06	1.43E-06	8.76E-07	0.00E+00	2.31E-06	2.63E-07	1.49E-07	0.00E+00	4.12E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
76	481275.39	3768183.97	1.4157E-06	5.8965E-07	0.00E+00	2.01E-06	1.40E-06	8.58E-07	0.00E+00	2.26E-06	2.57E-07	1.46E-07	0.00E+00	4.03E-07	1.44E-07	1.26E-07	0.00E+00	2.70E-07
77	481284.19	3768180.38	1.3878E-06	5.7801E-07	0.00E+00	1.97E-06	1.37E-06	8.41E-07	0.00E+00	2.21E-06	2.52E-07	1.43E-07	0.00E+00	3.95E-07	1.41E-07	1.24E-07	0.00E+00	2.64E-07
78	481292.99	3768176.79	1.3624E-06	5.6745E-07	0.00E+00	1.93E-06	1.35E-06	8.26E-07	0.00E+00	2.17E-06	2.48E-07	1.41E-07	0.00E+00	3.88E-07	1.38E-07	1.21E-07	0.00E+00	2.60E-07
79	481301.79	3768173.21	1.3396E-06	5.5794E-07	0.00E+00	1.90E-06	1.33E-06	8.12E-07	0.00E+00	2.14E-06	2.43E-07	1.38E-07	0.00E+00	3.82E-07	1.36E-07	1.19E-07	0.00E+00	2.55E-07
80	481310.59	3768169.62	1.3191E-06	5.4939E-07	0.00E+00	1.87E-06	1.31E-06	7.99E-07	0.00E+00	2.10E-06	2.40E-07	1.36E-07	0.00E+00	3.76E-07	1.34E-07	1.18E-07	0.00E+00	2.51E-07
81	481319.39	3768166.03	1.3006E-06	5.4171E-07	0.00E+00	1.84E-06	1.29E-06	7.88E-07	0.00E+00	2.08E-06	2.36E-07	1.34E-07	0.00E+00	3.71E-07	1.32E-07	1.16E-07	0.00E+00	2.48E-07
82	481328.2	3768162.44	1.2845E-06	5.3497E-07	0.00E+00	1.82E-06	1.27E-06	7.78E-07	0.00E+00	2.05E-06	2.33E-07	1.33E-07	0.00E+00	3.66E-07	1.30E-07	1.14E-07	0.00E+00	2.45E-07
83	481187.08	3768231.57	2.0971E-06	8.7345E-07	0.00E+00	2.97E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.81E-07	2.16E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07
84	481190.75	3768222.93	1.9176E-06	7.9866E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.06E-06	3.48E-07	1.98E-07	0.00E+00	5.46E-07	1.95E-07	1.71E-07	0.00E+00	3.65E-07
85	481194.41	3768214.3	1.7623E-06	7.3401E-07	0.00E+00	2.50E-06	1.74E-06	1.07E-06	0.00E+00	2.81E-06	3.20E-07	1.82E-07	0.00E+00	5.02E-07	1.79E-07	1.57E-07	0.00E+00	3.36E-07
86	481206.76	3768202.12	1.5816E-06	6.5871E-07	0.00E+00	2.24E-06	1.57E-06	9.58E-07	0.00E+00	2.52E-06	2.87E-07	1.63E-07	0.00E+00	4.51E-07	1.60E-07	1.41E-07	0.00E+00	3.01E-07
87	481215.44	3768198.58	1.5383E-06	6.4068E-07	0.00E+00	2.18E-06	1.52E-06	9.32E-07	0.00E+00	2.45E-06	2.80E-07	1.59E-07	0.00E+00	4.38E-07	1.56E-07	1.37E-07	0.00E+00	2.93E-07
88	481224.13	3768195.04	1.4975E-06	6.237E-07	0.00E+00	2.12E-06	1.48E-06	9.08E-07	0.00E+00	2.39E-06	2.72E-07	1.55E-07	0.00E+00	4.27E-07	1.52E-07	1.33E-07	0.00E+00	2.85E-07
89	481232.81	3768191.5	1.4596E-06	6.079E-07	0.00E+00	2.07E-06	1.44E-06	8.85E-07	0.00E+00	2.33E-06	2.65E-07	1.51E-07	0.00E+00	4.16E-07	1.48E-07	1.30E-07	0.00E+00	2.78E-07
90	481241.5	3768187.96	1.4245E-06	5.9331E-07	0.00E+00	2.02E-06	1.41E-06	8.63E-07	0.00E+00	2.27E-06	2.59E-07	1.47E-07	0.00E+00	4.06E-07	1.44E-07	1.27E-07	0.00E+00	2.71E-07
91	481250.18	3768184.42	1.3928E-06	5.8011E-07	0.00E+00	1.97E-06	1.38E-06	8.44E-07	0.00E+00	2.22E-06	2.53E-07	1.44E-07	0.00E+00	3.97E-07	1.41E-07	1.24E-07	0.00E+00	2.65E-07
92	481258.87	3768180.88	1.3635E-06	5.6789E-07	0.00E+00	1.93E-06	1.35E-06	8.26E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.88E-07	1.38E-07	1.21E-07	0.00E+00	2.60E-07
93	481267.55	3768177.34	1.3364E-06	5.5661E-07	0.00E+00	1.89E-06	1.32E-06	8.10E-07	0.00E+00	2.13E-06	2.43E-07	1.38E-07	0.00E+00	3.81E-07	1.36E-07	1.19E-07	0.00E+00	2.55E-07
94	481276.24	3768173.8	0.000001311	5.4601E-07	0.00E+00	1.86E-06	1.30E-06	7.94E-07	0.00E+00	2.09E-06	2.38E-07	1.35E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
95	481284.93	3768170.26	1.2875E-06	5.3624E-07	0.00E+00	1.82E-06	1.27E-06	7.80E-07	0.00E+00	2.05E-06

121	481172.88	3768218.47	1.8214E-06	7.586E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.19E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
122	481176.67	3768209.53	1.6731E-06	6.9685E-07	0.00E+00	2.37E-06	1.66E-06	1.01E-06	0.00E+00	2.67E-06	3.04E-07	1.73E-07	0.00E+00	4.77E-07	1.70E-07	1.49E-07	0.00E+00	3.19E-07
123	481180.46	3768200.59	0.000001544	6.4309E-07	0.00E+00	2.19E-06	1.53E-06	9.36E-07	0.00E+00	2.46E-06	2.81E-07	1.59E-07	0.00E+00	4.40E-07	1.57E-07	1.38E-07	0.00E+00	2.94E-07
124	481193.25	3768187.99	1.3938E-06	5.8052E-07	0.00E+00	1.97E-06	1.38E-06	8.45E-07	0.00E+00	2.22E-06	2.53E-07	1.44E-07	0.00E+00	3.97E-07	1.41E-07	1.24E-07	0.00E+00	2.66E-07
125	481202.24	3768184.32	1.3583E-06	5.657E-07	0.00E+00	1.92E-06	1.34E-06	8.23E-07	0.00E+00	2.17E-06	2.47E-07	1.40E-07	0.00E+00	3.87E-07	1.38E-07	1.21E-07	0.00E+00	2.59E-07
126	481211.23	3768180.66	1.3249E-06	5.5182E-07	0.00E+00	1.88E-06	1.31E-06	8.03E-07	0.00E+00	2.11E-06	2.41E-07	1.37E-07	0.00E+00	3.77E-07	1.34E-07	1.18E-07	0.00E+00	2.52E-07
127	481220.22	3768176.99	0.000001293	5.3852E-07	0.00E+00	1.83E-06	1.28E-06	7.84E-07	0.00E+00	2.06E-06	2.35E-07	1.33E-07	0.00E+00	3.68E-07	1.31E-07	1.15E-07	0.00E+00	2.46E-07
128	481229.22	3768173.33	1.2633E-06	5.2614E-07	0.00E+00	1.79E-06	1.25E-06	7.66E-07	0.00E+00	2.02E-06	2.30E-07	1.30E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
129	481238.21	3768169.66	1.2355E-06	5.1458E-07	0.00E+00	1.75E-06	1.22E-06	7.49E-07	0.00E+00	1.97E-06	2.24E-07	1.28E-07	0.00E+00	3.52E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
130	481247.2	3768165.99	1.2103E-06	5.041E-07	0.00E+00	1.71E-06	1.20E-06	7.34E-07	0.00E+00	1.93E-06	2.20E-07	1.25E-07	0.00E+00	3.45E-07	1.23E-07	1.08E-07	0.00E+00	2.31E-07
131	481256.19	3768162.33	1.1871E-06	4.9443E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.16E-07	1.23E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
132	481265.18	3768158.66	1.1656E-06	4.8545E-07	0.00E+00	1.65E-06	1.15E-06	7.06E-07	0.00E+00	1.86E-06	2.12E-07	1.20E-07	0.00E+00	3.32E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
133	481274.18	3768155	1.1455E-06	4.7708E-07	0.00E+00	1.62E-06	1.13E-06	6.94E-07	0.00E+00	1.83E-06	2.08E-07	1.18E-07	0.00E+00	3.26E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
134	481283.17	3768151.33	1.1266E-06	4.6921E-07	0.00E+00	1.60E-06	1.11E-06	6.83E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.15E-07
135	481292.16	3768147.67	1.1094E-06	4.6207E-07	0.00E+00	1.57E-06	1.10E-06	6.72E-07	0.00E+00	1.77E-06	2.02E-07	1.15E-07	0.00E+00	3.16E-07	1.13E-07	9.88E-08	0.00E+00	2.11E-07
136	481301.15	3768144	1.0937E-06	4.5554E-07	0.00E+00	1.55E-06	1.08E-06	6.63E-07	0.00E+00	1.75E-06	1.99E-07	1.13E-07	0.00E+00	3.12E-07	1.11E-07	9.74E-08	0.00E+00	2.08E-07
137	481310.14	3768140.34	1.0797E-06	4.4969E-07	0.00E+00	1.53E-06	1.07E-06	6.54E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.08E-07	1.10E-07	9.62E-08	0.00E+00	2.06E-07
138	481319.14	3768136.67	1.0671E-06	4.4444E-07	0.00E+00	1.51E-06	1.06E-06	6.47E-07	0.00E+00	1.70E-06	1.94E-07	1.10E-07	0.00E+00	3.04E-07	1.08E-07	9.51E-08	0.00E+00	2.03E-07
139	481328.13	3768133.01	0.000001056	4.3983E-07	0.00E+00	1.50E-06	1.04E-06	6.40E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.41E-08	0.00E+00	2.01E-07
140	481154.88	3768237.6	2.2063E-06	9.1891E-07	0.00E+00	3.13E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.29E-07	2.24E-07	1.97E-07	0.00E+00	4.20E-07
141	481158.63	3768228.78	2.0123E-06	8.381E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.66E-07	2.08E-07	0.00E+00	5.73E-07	2.04E-07	1.79E-07	0.00E+00	3.83E-07
142	481162.37	3768219.95	1.8421E-06	7.6721E-07	0.00E+00	2.61E-06	1.82E-06	1.12E-06	0.00E+00	2.94E-06	3.35E-07	1.90E-07	0.00E+00	5.25E-07	1.87E-07	1.64E-07	0.00E+00	3.51E-07
143	481166.12	3768211.12	1.6932E-06	7.0519E-07	0.00E+00	2.40E-06	1.68E-06	1.03E-06	0.00E+00	2.70E-06	3.08E-07	1.75E-07	0.00E+00	4.82E-07	1.72E-07	1.51E-07	0.00E+00	3.23E-07
144	481169.86	3768202.3	0.000001563	6.5098E-07	0.00E+00	2.21E-06	1.55E-06	9.47E-07	0.00E+00	2.49E-06	2.84E-07	1.61E-07	0.00E+00	4.45E-07	1.59E-07	1.39E-07	0.00E+00	2.98E-07
145	481173.61	3768193.47	1.4488E-06	6.0341E-07	0.00E+00	2.05E-06	1.43E-06	8.78E-07	0.00E+00	2.31E-06	2.63E-07	1.50E-07	0.00E+00	4.13E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
146	481186.23	3768181.03	1.3145E-06	5.4747E-07	0.00E+00	1.86E-06	1.30E-06	7.97E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.75E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
147	481195.11	3768177.41	1.2827E-06	5.3426E-07	0.00E+00	1.82E-06	1.27E-06	7.77E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.65E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
148	481203.99	3768173.79	1.2529E-06	5.2183E-07	0.00E+00	1.77E-06	1.24E-06	7.59E-07	0.00E+00	2.00E-06	2.28E-07	1.29E-07	0.00E+00	3.57E-07	1.27E-07	1.12E-07	0.00E+00	2.39E-07
149	481212.86	3768170.17	1.2246E-06	5.1006E-07	0.00E+00	1.73E-06	1.21E-06	7.42E-07	0.00E+00	1.95E-06	2.23E-07	1.26E-07	0.00E+00	3.49E-07	1.24E-07	1.09E-07	0.00E+00	2.33E-07
150	481221.74	3768166.55	1.1977E-06	4.9884E-07	0.00E+00	1.70E-06	1.19E-06	7.26E-07	0.00E+00	1.91E-06	2.18E-07	1.24E-07	0.00E+00	3.41E-07	1.21E-07	1.07E-07	0.00E+00	2.28E-07
151	481230.62	3768162.93	1.1724E-06	4.8829E-07	0.00E+00	1.66E-06	1.16E-06	7.10E-07	0.00E+00	1.87E-06	2.13E-07	1.21E-07	0.00E+00	3.34E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
152	481239.5	3768159.31	1.1489E-06	4.7851E-07	0.00E+00	1.63E-06	1.14E-06	6.96E-07	0.00E+00	1.83E-06	2.09E-07	1.19E-07	0.00E+00	3.27E-07	1.17E-07	1.02E-07	0.00E+00	2.19E-07
153	481248.38	3768155.69	1.1275E-06	4.6961E-07	0.00E+00	1.60E-06	1.12E-06	6.83E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.15E-07
154	481257.26	3768152.07	1.1076E-06	4.6132E-07	0.00E+00	1.57E-06	1.10E-06	6.71E-07	0.00E+00	1.77E-06	2.01E-07	1.14E-07	0.00E+00	3.16E-07	1.12E-07	9.87E-08	0.00E+00	2.11E-07
155	481266.13	3768148.45	1.0891E-06	4.5361E-07	0.00E+00	1.54E-06	1.08E-06	6.60E-07	0.00E+00	1.74E-06	1.98E-07	1.12E-07	0.00E+00	3.10E-07	1.10E-07	9.70E-08	0.00E+00	2.08E-07
156	481275.01	3768144.84	1.0717E-06	4.4637E-07	0.00E+00	1.52E-06	1.06E-06	6.50E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.05E-07	1.09E-07	9.55E-08	0.00E+00	2.04E-07
157	481283.89	3768141.22	1.0554E-06	4.3959E-07	0.00E+00	1.49E-06	1.04E-06	6.40E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.40E-08	0.00E+00	2.01E-07
158	481292.77	3768137.6	1.0405E-06	4.3337E-07	0.00E+00	1.47E-06	1.03E-06	6.31E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.06E-07	9.27E-08	0.00E+00	1.98E-07
159	481301.65	3768133.98	1.0269E-06	4.2772E-07	0.00E+00	1.45E-06	1.02E-06	6.22E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.15E-08	0.00E+00	1.96E-07
160	481310.53	3768130.36	1.0147E-06	4.2262E-07	0.00E+00	1.44E-06	1.00E-06	6.15E-07	0.00E+00	1.62E-06	1.84E-07	1.05E-07	0.00E+00	2.89E-07	1.03E-07	9.04E-08	0.00E+00	1.93E-07
161	481319.4	3768126.74	1.0037E-06	4.1805E-07	0.00E+00	1.42E-06	9.93E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.94E-08	0.00E+00	1.91E-07
162	481328.28	3768123.12	9.9405E-07	4.1402E-07	0.00E+00	1.41E-06	9.84E-07	6.02E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.86E-08	0.00E+00	1.89E-07
163	481144.53	3768238.71	2.2203E-06	9.2475E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.54E-06	4.03E-07	2.29E-07	0.00E+00	6.33E-07	2.25E-07	1.98E-07	0.00E+00	4.23E-07
164	481148.23	3768229.99	2.0287E-06	8.4495E-07	0.00E+00	2.87E-06	2.01E-06	1.23E-06	0.00E+00	3.24E-06	3.69E-07	2.09E-07	0.00E+00	5.78E-07	2.06E-07	1.81E-07	0.00E+00	3.87E-07
165	481151.93	3768221.26	1.8595E-06	7.7446E-07	0.00E+00	2.63E-06	1.84E-06	1.13E-06	0.00E+00	2.97E-06	3.38E-07	1.92E-07	0.00E+00	5.30E-07	1.89E-07	1.66E-07	0.00E+00	3.54E-07
166	481155.63	3768212.54	1.7107E-06	7.1249E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.11E-07	1.77E-07	0.00E+00	4.87E-07	1.74E-07	1.52E-07	0.00E+00	3.26E-07
167	481159.34	3768203.81	1.5797E-06	6.5795E-07	0.00E+00	2.24E-06	1.56E-06	9.57E-07	0.00E+00	2.52E-06	2.87E-07	1.63E-07	0.00E+00	4.50E-07	1.60E-07	1.41E-07	0.00E+00	3.01E-07
168	481163.04	3768195.09	1.4647E-06	6.1003E-07	0.00E+00	2.07E-06	1.45E-06	8.88E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.49E-07	1.30E-07	0.00E+00	2.79E-07
169	481166.74	3768186.36	1.3631E-06	5.6774E-07	0.00E+00	1.93E-06	1.35E-06	8.26E-07	0.00E+00	2.17E-06	2.48E-07	1.41E-07	0.00E+00	3.88E-07	1.38E-07	1.21E-07	0.00E+00	2.60E-07
170	481179.22	3768174.06	1.2424E-06	5.1746E-07	0.00E+00	1.76E-06	1.23E-06	7.53E-07	0.00E+00	1.98E-06	2.26E-07	1.28E-07	0.00E+00	3.54E-07	1.26E-07	1.11E-07	0.00E+00	2.37E-07
171	481188	3768170.48	1.2138E-06	5.0556E-07	0.00E+00	1.72E-06	1.20E-06	7.36E-07	0.00E+00	1.94E-06	2.21E-07	1.25E-07	0.00E+00	3.46E-07	1.23E-07	1.08E-07	0.00E+00	2.31E-07
172	481196.77	3768166.91	1.1871E-06	4.9441E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.16E-07	1.23E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
173	481205.55	3768163.33	1.1615E-06	4.8378E-07	0.00E+00	1.65E-06	1.15E-06	7.04E-07	0.00E+00	1.85E-06	2.11E-07	1.20E-07	0.00E+00	3.31E-07	1.18E-07	1.03E-07	0.00E+00	2.21E-07
174	481214.33	3768159.75	1.1371E-06	4.7361E-07	0.00E+00	1.61E-06	1.13E-06	6.89E-07	0.00E+00	1.81E-06	2.07E-07	1.17E-07	0.00E+00	3.24E-07	1.15E-07	1.01E-07	0.00E+00	2.17E-07
175	481223.1	3768156.17	1.1141E-06	4.6401E-07	0.00E+00	1.58E-06	1.10E-06	6.75E-07	0.00E+00	1.78E-06	2.02E-07	1.15E-07	0.00E+00	3.17E-07	1.13E-07	9.93E-08	0.00E+00	2.12E-07
176	481231.88	3768152.6	1.0927E-06	4.551E-07	0.00E+00	1.55E-06	1.08E-06	6.62E-07	0.00E+00	1.74E-06	1.99E-07	1.13E-07	0.00E+00	3.11E-07	1.11E-07	9.74E-08	0.00E+00	2.08E-07
177	481240.66	3768149.02	1.0727E-06	4.4677E-07	0.00E+00	1.52E-06	1.06E-06	6.50E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.06E-07	1.09E-07	9.56E-08	0.00E+00	2.04E-07
178	481249.43	3768145.44	1.0543E-06	4.391E-07	0.00E+00	1.49E-06	1.04E-06	6.39E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.39E-08	0.00E+00	2.01E-07
179	481258.21	3768141.86	0.000001037	4.3192E-07	0.00E+00	1.47E-06	1.03E-06	6.28E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.95E-07	1.05E-07	9.24E-08	0.00E+00	1.98E-07
180	481266.99	3768138.28	1.0209E-06	4.2522E-07	0.00E+00	1.45E-06	1.01E-06	6.19E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.91E-07	1.04E-07	9.10E-08	0.00E+00	1.95E-07
181	481275.76	3768134.71	1.0057E-06	4.1888E-07	0.00E+00	1.42E-06	9.95E-07	6.10E-07	0.00E+00	1.60E-06	1.83E-07	1.04E-07	0.00E+00	2.87E-07	1.02E-07	8.96E-08	0.00E+00	1.92E-07
182	481284.54	3768131.13	9.9143E-07	4.1292E-07	0.00E+00	1.40E-06	9.81E-07	6.01E-07	0.00E+00	1.58E-06	1.80E-07	1.02E-07	0.00E+00	2.82E-07	1.01E-07	8.83E-08	0.00E+00	1.89E-07
183	481293.32	3768127.55	9.7844E-07	4.0752E-07	0.00E+00	1.39E-06	9.68E-07	5.93E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.93E-08	8.72E-08	0.00E+00	1.86E-07
184	481302.09	3768123.97	9.6663E-07	4.026E-07	0.00E+00	1.37E-06	9.57E-07	5.86E-07	0.00E+00	1.54E-06	1.76E-07	9.98E-08	0.00E+00	2.75E-07	9.81E-08	8.61E-08	0.00E+00	1.84E-07
185	481310.87	3768120.4	9.5596E-07	3.9815E-07	0.00E+00	1.35E-06	9.46E-07	5.79E-07	0.00E+00	1.53E-06	1.74E-07	9.87E-08	0.00E+00	2.72E-07	9.70E-08	8.52E-08	0.00E+00	1.82E-07
186	481319.65	3768116.82	9.4635E-07	3.9415E-07	0.00E+00	1.34E-06	9.36E-07	5.74E-07	0.00E+00	1.51E-06	1.72E-07	9.77E-08	0.00E+00	2.70E-07	9.60E-08	8.43E-08	0.00E+00	1.80E-07
187	481328.42	3768113.24	9.3784E-07	3.9061E-07	0.00E+00	1.33E-06	9.28E-07	5.68E-07	0.00E+00	1.50E-06	1.70E-07	9.68E-08	0.00E+00	2.67E-07	9.51E-08	8.36E-08	0.00E+00	1.79E-07
188	481144.25	3768216.08	1.7629E-06	7.3426E-07	0.00E+00	2.50E-06	1.74E-06	1.07E-06	0.00E+00	2.81E-06	3.20E-07	1.82E-07	0.00E+00	5.02E-07	1.79E-07	1.57E-07	0.00E+00	3.36E-07
189	481148.11	3768206.99	1.6208E-06	6.7506E-07	0.00E+00	2.30E-06	1.60E-06	9.82E-07	0.00E+00	2.59E-06	2.94E-07	1.67E-07	0.00E+00	4.62E-07	1.64E-07	1.44E-07	0.00E+00	3.09E-07
190	481151.97	3768197.9	1.4962E-06	6.2314E-07	0.00E+00	2.12E-06	1.48E-06	9.07E-07	0.00E+00	2.39E-06	2.72E-07	1.54E-07	0.00E+00	4.26E-07	1.52E-07	1.33E-07	0.00E+00	2.85E-07
191	481155.82	3768188.81	1.3867E-06	5.7754E-07	0.00E+00	1.96E-06	1.37E-06	8.40E-07	0.00E+00	2.21E-06	2.52E-07	1.43E-07	0.00E+00	3.95E-07	1.41E-07	1.24E-07	0.00E+00	2.64E-07
192	481159.68	3768179.72	1.2903E-06	5.3742E-07	0.00E+00	1.83E-06	1.28E-06	7.82E-07	0.00E+00	2.06E-06	2.34E-07	1.33E-07	0.00E+00	3.68E-07	1.31E-07	1.15E-07	0.00E+00	2.46E-07
193	481172.68	3768166.91	1.1759E-06	4.8977E-07	0.00E+00	1.67E-06	1.16E-06	7.13E-07	0.00E+00	1.88E-06	2.14E-07	1.21E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
194	481181.82	3768163.18	1.1483E-06	4.7828E-07	0.00E+00	1.63E-06	1.14E-06	6.96E-07	0.00E+00	1.83E-06	2.09E-07	1.19E-07	0.00E+00	3.27E-07	1.16E-07	1.02E-07	0.00E+00	2.19E-07
195	481190.96	3768159.45	1.1227E-06	4.6762E-07	0.00E+00	1.59E-06	1.11E-06	6.80E-07	0.00E+00	1.79E-06	2.04E-07	1.16E-07	0.00E+00	3.20E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
196	481200.11	3768155.73	1.0986E-06	4.5755E-07	0.00E+00	1.56E-06	1.09E-06	6.66E-07	0.00E+00	1.75E-06	2.00E-07	1.13E-07	0.00E+00	3.13E-07	1.11E-07	9.79E-08	0.00E+00	2.09E-07
197	481209.25	3768152	1.0755E-06	4.4795E-07	0.00E+00	1.52E-06	1.06E-06	6.52E-07	0.00E+00	1.72E-06	1.95E-07	1.11E-07	0.00E+00	3.06E-07	1.09E-07	9.58E-08	0.00E+00	2.05E-07
198	481218.39	3768148.27	1.0538E-06	4.3892E-07	0.00E+00	1.49E-06	1.04E-06	6.39E-07	0.00E+00	1.68E-06	1.91E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.39E-08	0.00E+00	2.01E-07
199	481227.53	3768144.55	1.0336E-06	4.305E-07	0.00E+00	1.46E-06	1.02E-06	6.26E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.94E-07	1.05E-07	9.21E-08	0.00E+00	1.97E-07
200	481236.67	3768140.82	1.0148E-06	4.2265E-07	0.00E+00	1.44E-06	1.00E-06	6.15E-07	0.00E+00	1.62E-06	1.84E-07	1.05E-07	0.00E+00	2.89E-07	1.03E-07	9.04E-08	0.00E+00	1.93E-07
201	481245.82	3768137.09	9.9727E-07	4.1536E-07	0.00E+00	1.41E-06	9.87E-07	6.04E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.84E-07	1.01E-07	8.89E-08	0.00E+00	1.90E-07
202	481254.96	3768133.37	9.8084E-07	4.0851E-07	0.00E+00	1.39E-06	9.71E-07	5.94E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.95E-08	8.74E-08	0.00E+00	1.87E-07
203	481273.24	3768125.91	9.5084E-07	3.9602E-07	0.00E+00	1.35E-06	9.41E-07	5.76E-07	0.00E+00	1.52E-06	1.73E-07	9.81E-08	0.00E+00	2.71E-07	9.65E-08	8.47E-08	0.00E+00	1.81E-07
204	481282.39	3768122.19	9.3743E-07	3.9043E-07	0.00E+00	1.33E-06	9.28E-07	5.68E-07	0.00E+00	1.50E-06	1.70E-07	9.68E-08	0.00E+00	2.67E-07	9.51E-08	8.35E-08	0.00E+00	1.79E-07
205	481291.53	3768118.46	9.252E-07	3.8534E-07	0.00E+00	1.31E-06	9.16E-07	5.61E-07	0.00E+00	1.48E-06	1.68E-07	9.55E-08	0.00E+00	2.64E-07	9.39E-08	8.24E-08	0.00E+00	1.76E-07
206	481300.67	3768114.73	9.1415E-07	3.8074E-07	0.00E+00	1.29E-06	9.05E-07	5.54E-07	0.00E+00	1.46E-06	1.66E-07	9.44E-08	0.00E+00	2.60E-07	9.27E-08	8.14E-08	0.00E+00	1.74E-07
207	481309.81	3768111.01	9.0404E-07	3.7653E-07	0.00E+00	1.28E-06	8.95E-07	5.48E-07	0.00E+00	1.44E-06	1.64E-07	9.33E-08	0.00E+00	2.58E-07	9.17E-08	8.05E-08	0.00E+00	1.72E-07
208	481318.96	3768107.28	0.000000895	3.7276E-07	0.00E+00	1.27E-06	8.86E-07	5.42E-07	0.00E+00	1.43E-06	1.63E-07	9.24E-08	0.00E+00	2.55E-07	9.08E-08	7.97E-08	0.00E+00	1.71E-07
209	481328.1	3768103.55	8.8703E-07	3.6944E-07	0.00E+00	1.26E-06	8.78E-07	5.38E-07	0.00E+00	1.42E-06	1.61E-07	9.16E-08	0.00E+00	2.53E-07	9.00E-08	7.90E-08	0.00E+00	1.69E-07
210	481145.2	3768190.57	1.4031E-06	5.8438E-07	0.00E+00	1.99E-06	1.39E-06	8.50E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	4.00E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
211	481149.01	3768181.59	1.3057E-06	5.4383E-07	0.00E+00	1.85E-06	1.29E-06	7.91E-07	0.00E+00	2.08E-06	2.37E-07	1.35E-07	0.00E+00	3.72E-07	1.32E-07	1.16E-07	0.00E+00	2.49E-07
212	481152.82	3768172.61	1.2196E-06	5.0794E-07	0.00E+00	1.73E-06	1.21E-06	7.39E-07	0.00E+00	1.95E-06	2.22E-07	1.26E-07	0.00E+00	3.47E-07	1.24E-07	1.09E-07	0.00E+00	2.32E-07
213	481165.66	3768159.94	1.1165E-06	4.6501E-07	0.00E+00	1.58E-06	1.10E-06	6.77E-07	0.00E+00	1.78E-06	2.03E-07	1.15E-07	0.00E+00	3.18E-07	1.13E-07	9.95E-08	0.00E+00	2.13E-07
214	481174.69	3768156.26	1.0915E-06	4.5459E-07	0.00E+00	1.55E-06	1.08E-06	6.61E-07	0.00E+00	1.74E-06	1.98E-07	1.13E-07	0.00E+00	3.11E-07	1.11E-07	9.72E-08	0.00E+00	2.08E-07
215	481183.73	3768152.58	1.0679E-06	4.4479E-07	0.00E+00	1.51E-06	1.06E-06	6.47E-07	0.00E+00	1.70E-06	1.94E-07	1.10E-07	0.00E+00	3.04E-07	1.08E-07	9.51E-08	0.00E+00	2.03E-07
216	481192.76	3768148.9	1.0458E-06	4.3557E-07	0.00E+00	1.48E-06	1.03E-06	6.34E-07	0.00E+00	1.67E-06	1.

244	481256.92	3768112.92	8.6994E-07	3.6232E-07	0.00E+00	1.23E-06	8.61E-07	5.27E-07	0.00E+00	1.39E-06	1.58E-07	8.98E-08	0.00E+00	2.48E-07	8.82E-08	7.75E-08	0.00E+00	1.66E-07
245	481265.86	3768109.28	8.5768E-07	3.5722E-07	0.00E+00	1.21E-06	8.49E-07	5.20E-07	0.00E+00	1.37E-06	1.56E-07	8.85E-08	0.00E+00	2.44E-07	8.70E-08	7.64E-08	0.00E+00	1.63E-07
246	481274.79	3768105.64	8.4644E-07	3.5254E-07	0.00E+00	1.20E-06	8.38E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.59E-08	7.54E-08	0.00E+00	1.61E-07
247	481283.72	3768102	8.3632E-07	3.4832E-07	0.00E+00	1.18E-06	8.28E-07	5.07E-07	0.00E+00	1.33E-06	1.52E-07	8.63E-08	0.00E+00	2.38E-07	8.48E-08	7.45E-08	0.00E+00	1.59E-07
248	481292.66	3768098.36	8.2704E-07	3.4446E-07	0.00E+00	1.17E-06	8.18E-07	5.01E-07	0.00E+00	1.32E-06	1.50E-07	8.54E-08	0.00E+00	2.36E-07	8.39E-08	7.37E-08	0.00E+00	1.58E-07
249	481301.59	3768094.71	8.1846E-07	3.4088E-07	0.00E+00	1.16E-06	8.10E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.45E-08	0.00E+00	2.33E-07	8.30E-08	7.29E-08	0.00E+00	1.56E-07
250	481310.52	3768091.07	8.1055E-07	3.3759E-07	0.00E+00	1.15E-06	8.02E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.22E-08	7.22E-08	0.00E+00	1.54E-07
251	481319.46	3768087.43	8.0349E-07	3.3465E-07	0.00E+00	1.14E-06	7.95E-07	4.87E-07	0.00E+00	1.28E-06	1.46E-07	8.29E-08	0.00E+00	2.29E-07	8.15E-08	7.16E-08	0.00E+00	1.53E-07
252	481328.39	3768083.79	7.9729E-07	3.3207E-07	0.00E+00	1.13E-06	7.89E-07	4.83E-07	0.00E+00	1.27E-06	1.45E-07	8.23E-08	0.00E+00	2.27E-07	8.09E-08	7.10E-08	0.00E+00	1.52E-07
253	481151.66	3768146.01	1.0118E-06	4.2141E-07	0.00E+00	1.43E-06	1.00E-06	6.13E-07	0.00E+00	1.61E-06	1.84E-07	1.04E-07	0.00E+00	2.88E-07	1.03E-07	9.01E-08	0.00E+00	1.93E-07
254	481160.5	3768142.4	9.9106E-07	4.1277E-07	0.00E+00	1.40E-06	9.81E-07	6.01E-07	0.00E+00	1.58E-06	1.80E-07	1.02E-07	0.00E+00	2.82E-07	1.01E-07	8.83E-08	0.00E+00	1.89E-07
255	481169.34	3768138.8	9.7139E-07	4.0458E-07	0.00E+00	1.38E-06	9.61E-07	5.89E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.85E-08	8.65E-08	0.00E+00	1.85E-07
256	481178.19	3768135.2	9.5266E-07	3.9678E-07	0.00E+00	1.35E-06	9.43E-07	5.77E-07	0.00E+00	1.52E-06	1.73E-07	9.83E-08	0.00E+00	2.71E-07	9.66E-08	8.49E-08	0.00E+00	1.82E-07
257	481187.03	3768131.59	9.3478E-07	3.8933E-07	0.00E+00	1.32E-06	9.25E-07	5.67E-07	0.00E+00	1.49E-06	1.70E-07	9.65E-08	0.00E+00	2.66E-07	9.48E-08	8.33E-08	0.00E+00	1.78E-07
258	481195.87	3768127.99	9.1781E-07	3.8226E-07	0.00E+00	1.30E-06	9.08E-07	5.56E-07	0.00E+00	1.46E-06	1.67E-07	9.47E-08	0.00E+00	2.61E-07	9.31E-08	8.18E-08	0.00E+00	1.75E-07
259	481204.72	3768124.38	9.016E-07	3.7551E-07	0.00E+00	1.28E-06	8.92E-07	5.46E-07	0.00E+00	1.44E-06	1.64E-07	9.31E-08	0.00E+00	2.57E-07	9.15E-08	8.03E-08	0.00E+00	1.72E-07
260	481213.56	3768120.78	8.8649E-07	3.6922E-07	0.00E+00	1.26E-06	8.77E-07	5.37E-07	0.00E+00	1.41E-06	1.61E-07	9.15E-08	0.00E+00	2.53E-07	8.99E-08	7.90E-08	0.00E+00	1.69E-07
261	481222.4	3768117.17	8.7238E-07	3.6334E-07	0.00E+00	1.24E-06	8.63E-07	5.29E-07	0.00E+00	1.39E-06	1.59E-07	9.00E-08	0.00E+00	2.49E-07	8.85E-08	7.77E-08	0.00E+00	1.66E-07
262	481231.25	3768113.57	8.5902E-07	3.5778E-07	0.00E+00	1.22E-06	8.50E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.87E-08	0.00E+00	2.45E-07	8.71E-08	7.65E-08	0.00E+00	1.64E-07
263	481240.09	3768109.96	8.4631E-07	3.5249E-07	0.00E+00	1.20E-06	8.37E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.58E-08	7.54E-08	0.00E+00	1.61E-07
264	481248.93	3768106.36	8.3398E-07	3.4735E-07	0.00E+00	1.18E-06	8.25E-07	5.05E-07	0.00E+00	1.33E-06	1.52E-07	8.61E-08	0.00E+00	2.38E-07	8.46E-08	7.43E-08	0.00E+00	1.59E-07
265	481257.78	3768102.75	8.2224E-07	3.4246E-07	0.00E+00	1.16E-06	8.14E-07	4.98E-07	0.00E+00	1.31E-06	1.49E-07	8.49E-08	0.00E+00	2.34E-07	8.34E-08	7.33E-08	0.00E+00	1.57E-07
266	481266.62	3768099.15	8.1142E-07	3.3795E-07	0.00E+00	1.15E-06	8.03E-07	4.92E-07	0.00E+00	1.29E-06	1.47E-07	8.38E-08	0.00E+00	2.31E-07	8.23E-08	7.23E-08	0.00E+00	1.55E-07
267	481275.46	3768095.54	8.0156E-07	3.3385E-07	0.00E+00	1.14E-06	7.93E-07	4.86E-07	0.00E+00	1.28E-06	1.46E-07	8.27E-08	0.00E+00	2.28E-07	8.13E-08	7.14E-08	0.00E+00	1.53E-07
268	481284.3	3768091.94	7.9257E-07	3.301E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.18E-08	0.00E+00	2.26E-07	8.04E-08	7.06E-08	0.00E+00	1.51E-07
269	481293.15	3768088.33	7.8427E-07	3.2665E-07	0.00E+00	1.11E-06	7.76E-07	4.75E-07	0.00E+00	1.25E-06	1.43E-07	8.10E-08	0.00E+00	2.23E-07	7.96E-08	6.99E-08	0.00E+00	1.49E-07
270	481301.99	3768084.73	7.7669E-07	3.2349E-07	0.00E+00	1.10E-06	7.69E-07	4.71E-07	0.00E+00	1.24E-06	1.41E-07	8.02E-08	0.00E+00	2.21E-07	7.88E-08	6.92E-08	0.00E+00	1.48E-07
271	481310.83	3768081.12	7.6963E-07	3.2055E-07	0.00E+00	1.09E-06	7.62E-07	4.66E-07	0.00E+00	1.23E-06	1.40E-07	7.94E-08	0.00E+00	2.19E-07	7.81E-08	6.86E-08	0.00E+00	1.47E-07
272	481319.68	3768077.52	7.6338E-07	3.1795E-07	0.00E+00	1.08E-06	7.55E-07	4.63E-07	0.00E+00	1.22E-06	1.39E-07	7.88E-08	0.00E+00	2.18E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
273	481328.52	3768073.91	7.5784E-07	3.1564E-07	0.00E+00	1.07E-06	7.50E-07	4.59E-07	0.00E+00	1.21E-06	1.38E-07	7.82E-08	0.00E+00	2.16E-07	7.69E-08	6.75E-08	0.00E+00	1.44E-07
274	481120.45	3768179.03	1.2701E-06	5.2899E-07	0.00E+00	1.80E-06	1.26E-06	7.70E-07	0.00E+00	2.03E-06	2.31E-07	1.31E-07	0.00E+00	3.62E-07	1.29E-07	1.13E-07	0.00E+00	2.42E-07
275	481124.32	3768169.92	1.1863E-06	4.9408E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.16E-07	1.22E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
276	481145.06	3768138.87	9.6422E-07	4.0159E-07	0.00E+00	1.37E-06	9.54E-07	5.84E-07	0.00E+00	1.54E-06	1.75E-07	9.95E-08	0.00E+00	2.75E-07	9.78E-08	8.59E-08	0.00E+00	1.84E-07
277	481154.22	3768135.14	9.4478E-07	3.935E-07	0.00E+00	1.34E-06	9.35E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.75E-08	0.00E+00	2.69E-07	9.58E-08	8.42E-08	0.00E+00	1.80E-07
278	481163.38	3768131.41	9.2593E-07	3.8564E-07	0.00E+00	1.31E-06	9.16E-07	5.61E-07	0.00E+00	1.48E-06	1.68E-07	9.56E-08	0.00E+00	2.64E-07	9.39E-08	8.25E-08	0.00E+00	1.76E-07
279	481172.54	3768127.67	9.0803E-07	3.7819E-07	0.00E+00	1.29E-06	8.99E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.21E-08	8.09E-08	0.00E+00	1.73E-07
280	481181.7	3768123.94	8.9113E-07	3.7115E-07	0.00E+00	1.26E-06	8.82E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.20E-08	0.00E+00	2.54E-07	9.04E-08	7.94E-08	0.00E+00	1.70E-07
281	481190.86	3768120.21	8.7491E-07	3.644E-07	0.00E+00	1.24E-06	8.66E-07	5.30E-07	0.00E+00	1.40E-06	1.59E-07	9.03E-08	0.00E+00	2.49E-07	8.87E-08	7.79E-08	0.00E+00	1.67E-07
282	481200.02	3768116.47	8.5939E-07	3.5793E-07	0.00E+00	1.22E-06	8.50E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.87E-08	0.00E+00	2.45E-07	8.72E-08	7.66E-08	0.00E+00	1.64E-07
283	481209.18	3768112.74	8.4469E-07	3.5181E-07	0.00E+00	1.20E-06	8.36E-07	5.12E-07	0.00E+00	1.35E-06	1.53E-07	8.72E-08	0.00E+00	2.41E-07	8.57E-08	7.53E-08	0.00E+00	1.61E-07
284	481218.34	3768109.01	8.3116E-07	3.4618E-07	0.00E+00	1.18E-06	8.22E-07	5.04E-07	0.00E+00	1.33E-06	1.51E-07	8.58E-08	0.00E+00	2.37E-07	8.43E-08	7.41E-08	0.00E+00	1.58E-07
285	481227.5	3768105.27	8.1828E-07	3.4081E-07	0.00E+00	1.16E-06	8.10E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.45E-08	0.00E+00	2.33E-07	8.30E-08	7.29E-08	0.00E+00	1.56E-07
286	481236.66	3768101.54	8.0598E-07	3.3569E-07	0.00E+00	1.14E-06	7.98E-07	4.88E-07	0.00E+00	1.29E-06	1.46E-07	8.32E-08	0.00E+00	2.30E-07	8.18E-08	7.18E-08	0.00E+00	1.54E-07
287	481245.81	3768097.81	7.9414E-07	3.3076E-07	0.00E+00	1.12E-06	7.86E-07	4.81E-07	0.00E+00	1.27E-06	1.44E-07	8.20E-08	0.00E+00	2.26E-07	8.06E-08	7.08E-08	0.00E+00	1.51E-07
288	481254.97	3768094.07	0.000000783	3.2611E-07	0.00E+00	1.11E-06	7.75E-07	4.75E-07	0.00E+00	1.25E-06	1.42E-07	8.08E-08	0.00E+00	2.23E-07	7.94E-08	6.98E-08	0.00E+00	1.49E-07
289	481264.13	3768090.34	7.727E-07	3.2183E-07	0.00E+00	1.09E-06	7.65E-07	4.68E-07	0.00E+00	1.23E-06	1.40E-07	7.98E-08	0.00E+00	2.20E-07	7.84E-08	6.88E-08	0.00E+00	1.47E-07
290	481273.29	3768086.61	7.6328E-07	3.179E-07	0.00E+00	1.08E-06	7.55E-07	4.63E-07	0.00E+00	1.22E-06	1.39E-07	7.88E-08	0.00E+00	2.17E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
291	481282.45	3768082.87	7.5463E-07	3.143E-07	0.00E+00	1.07E-06	7.47E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.79E-08	0.00E+00	2.15E-07	7.65E-08	6.72E-08	0.00E+00	1.44E-07
292	481291.61	3768079.14	7.4673E-07	3.1101E-07	0.00E+00	1.06E-06	7.39E-07	4.53E-07	0.00E+00	1.19E-06	1.36E-07	7.71E-08	0.00E+00	2.13E-07	7.57E-08	6.65E-08	0.00E+00	1.42E-07
293	481300.77	3768075.4	7.3951E-07	0.000000308	0.00E+00	1.05E-06	7.32E-07	4.48E-07	0.00E+00	1.18E-06	1.34E-07	7.63E-08	0.00E+00	2.11E-07	7.50E-08	6.59E-08	0.00E+00	1.41E-07
294	481309.93	3768071.67	7.3283E-07	3.0522E-07	0.00E+00	1.04E-06	7.25E-07	4.44E-07	0.00E+00	1.17E-06	1.33E-07	7.56E-08	0.00E+00	2.09E-07	7.43E-08	6.53E-08	0.00E+00	1.40E-07
295	481319.09	3768067.94	7.2692E-07	3.0276E-07	0.00E+00	1.03E-06	7.19E-07	4.41E-07	0.00E+00	1.16E-06	1.32E-07	7.50E-08	0.00E+00	2.07E-07	7.37E-08	6.48E-08	0.00E+00	1.39E-07
296	481328.25	3768064.2	7.217E-07	3.0059E-07	0.00E+00	1.02E-06	7.14E-07	4.37E-07	0.00E+00	1.15E-06	1.31E-07	7.45E-08	0.00E+00	2.06E-07	7.32E-08	6.43E-08	0.00E+00	1.38E-07
297	481113.71	3768171.64	1.1977E-06	4.9883E-07	0.00E+00	1.70E-06	1.19E-06	7.26E-07	0.00E+00	1.91E-06	2.18E-07	1.24E-07	0.00E+00	3.41E-07	1.21E-07	1.07E-07	0.00E+00	2.28E-07
298	481117.53	3768162.63	1.1225E-06	4.6752E-07	0.00E+00	1.59E-06	1.11E-06	6.80E-07	0.00E+00	1.79E-06	2.04E-07	1.16E-07	0.00E+00	3.20E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
299	481121.35	3768153.62	1.0547E-06	4.3927E-07	0.00E+00	1.49E-06	1.04E-06	6.39E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.40E-08	0.00E+00	2.01E-07
300	481125.18	3768144.61	9.9384E-07	4.1393E-07	0.00E+00	1.41E-06	9.83E-07	6.02E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.85E-08	0.00E+00	1.89E-07
301	481147.12	3768128.21	9.0307E-07	3.7613E-07	0.00E+00	1.28E-06	8.94E-07	5.47E-07	0.00E+00	1.44E-06	1.64E-07	9.32E-08	0.00E+00	2.57E-07	9.16E-08	8.05E-08	0.00E+00	1.72E-07
302	481156.19	3768124.52	8.8594E-07	3.6899E-07	0.00E+00	1.25E-06	8.77E-07	5.37E-07	0.00E+00	1.41E-06	1.61E-07	9.14E-08	0.00E+00	2.52E-07	8.99E-08	7.89E-08	0.00E+00	1.69E-07
303	481165.25	3768120.82	8.6957E-07	3.6217E-07	0.00E+00	1.23E-06	8.60E-07	5.27E-07	0.00E+00	1.39E-06	1.58E-07	8.98E-08	0.00E+00	2.48E-07	8.82E-08	7.75E-08	0.00E+00	1.66E-07
304	481174.31	3768117.13	8.5409E-07	3.5572E-07	0.00E+00	1.21E-06	8.45E-07	5.18E-07	0.00E+00	1.36E-06	1.55E-07	8.82E-08	0.00E+00	2.43E-07	8.66E-08	7.61E-08	0.00E+00	1.63E-07
305	481183.38	3768113.44	8.3926E-07	3.4955E-07	0.00E+00	1.19E-06	8.30E-07	5.09E-07	0.00E+00	1.34E-06	1.52E-07	8.66E-08	0.00E+00	2.39E-07	8.51E-08	7.48E-08	0.00E+00	1.60E-07
306	481192.44	3768109.74	8.2485E-07	3.4355E-07	0.00E+00	1.17E-06	8.16E-07	5.00E-07	0.00E+00	1.32E-06	1.50E-07	8.51E-08	0.00E+00	2.35E-07	8.37E-08	7.35E-08	0.00E+00	1.57E-07
307	481201.5	3768106.05	8.1112E-07	3.3783E-07	0.00E+00	1.15E-06	8.03E-07	4.92E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.23E-08	7.23E-08	0.00E+00	1.55E-07
308	481210.56	3768102.35	7.9801E-07	3.3237E-07	0.00E+00	1.13E-06	7.90E-07	4.84E-07	0.00E+00	1.27E-06	1.45E-07	8.24E-08	0.00E+00	2.27E-07	8.09E-08	7.11E-08	0.00E+00	1.52E-07
309	481219.63	3768098.66	7.8588E-07	3.2731E-07	0.00E+00	1.11E-06	7.78E-07	4.76E-07	0.00E+00	1.25E-06	1.43E-07	8.11E-08	0.00E+00	2.24E-07	7.97E-08	7.00E-08	0.00E+00	1.50E-07
310	481228.69	3768094.96	7.742E-07	3.2245E-07	0.00E+00	1.10E-06	7.66E-07	4.69E-07	0.00E+00	1.24E-06	1.41E-07	7.99E-08	0.00E+00	2.21E-07	7.85E-08	6.90E-08	0.00E+00	1.48E-07
311	481237.75	3768091.27	7.6307E-07	3.1782E-07	0.00E+00	1.08E-06	7.55E-07	4.62E-07	0.00E+00	1.22E-06	1.39E-07	7.88E-08	0.00E+00	2.17E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
312	481246.82	3768087.58	7.5255E-07	3.1343E-07	0.00E+00	1.07E-06	7.45E-07	4.56E-07	0.00E+00	1.20E-06	1.37E-07	7.77E-08	0.00E+00	2.14E-07	7.63E-08	6.70E-08	0.00E+00	1.43E-07
313	481255.88	3768083.88	7.4271E-07	3.0934E-07	0.00E+00	1.05E-06	7.35E-07	4.50E-07	0.00E+00	1.19E-06	1.35E-07	7.67E-08	0.00E+00	2.12E-07	7.53E-08	6.62E-08	0.00E+00	1.42E-07
314	481264.94	3768080.19	7.3364E-07	3.0556E-07	0.00E+00	1.04E-06	7.26E-07	4.45E-07	0.00E+00	1.17E-06	1.33E-07	7.57E-08	0.00E+00	2.09E-07	7.44E-08	6.54E-08	0.00E+00	1.40E-07
315	481274.01	3768076.49	7.2525E-07	3.0206E-07	0.00E+00	1.03E-06	7.18E-07	4.40E-07	0.00E+00	1.16E-06	1.32E-07	7.49E-08	0.00E+00	2.07E-07	7.36E-08	6.46E-08	0.00E+00	1.38E-07
316	481283.07	3768072.8	7.1755E-07	2.9885E-07	0.00E+00	1.02E-06	7.10E-07	4.35E-07	0.00E+00	1.14E-06	1.30E-07	7.41E-08	0.00E+00	2.04E-07	7.28E-08	6.39E-08	0.00E+00	1.37E-07
317	481292.13	3768069.1	7.1045E-07	2.959E-07	0.00E+00	1.01E-06	7.03E-07	4.31E-07	0.00E+00	1.13E-06	1.29E-07	7.33E-08	0.00E+00	2.02E-07	7.21E-08	6.33E-08	0.00E+00	1.35E-07
318	481301.19	3768065.41	7.0401E-07	2.9322E-07	0.00E+00	9.97E-07	6.97E-07	4.27E-07	0.00E+00	1.12E-06	1.28E-07	7.27E-08	0.00E+00	2.01E-07	7.14E-08	6.27E-08	0.00E+00	1.34E-07
319	481310.26	3768061.71	6.9801E-07	2.9072E-07	0.00E+00	9.89E-07	6.91E-07	4.23E-07	0.00E+00	1.11E-06	1.27E-07	7.20E-08	0.00E+00	1.99E-07	7.08E-08	6.22E-08	0.00E+00	1.33E-07
320	481319.32	3768058.02	6.9273E-07	2.8852E-07	0.00E+00	9.81E-07	6.85E-07	4.20E-07	0.00E+00	1.11E-06	1.26E-07	7.15E-08	0.00E+00	1.97E-07	7.03E-08	6.17E-08	0.00E+00	1.32E-07
321	481328.38	3768054.33	6.8811E-07	2.8659E-07	0.00E+00	9.75E-07	6.81E-07	4.17E-07	0.00E+00	1.10E-06	1.25E-07	7.10E-08	0.00E+00	1.96E-07	6.98E-08	6.13E-08	0.00E+00	1.31E-07
322	481103.16	3768173.21	1.2075E-06	5.0293E-07	0.00E+00	1.71E-06	1.19E-06	7.32E-07	0.00E+00	1.93E-06	2.19E-07	1.25E-07	0.00E+00	3.44E-07	1.22E-07	1.08E-07	0.00E+00	2.30E-07
323	481106.95	3768164.28	0.000001132	4.7148E-07	0.00E+00	1.60E-06	1.12E-06	6.86E-07	0.00E+00	1.81E-06	2.06E-07	1.17E-07	0.00E+00	3.23E-07	1.15E-07	1.01E-07	0.00E+00	2.16E-07
324	481110.73	3768155.36	0.000001064	4.4314E-07	0.00E+00	1.51E-06	1.05E-06	6.45E-07	0.00E+00	1.70E-06	1.93E-07	1.10E-07	0.00E+00	3.03E-07	1.08E-07	9.48E-08	0.00E+00	2.03E-07
325	481114.52	3768146.44	1.0027E-06	4.1761E-07	0.00E+00	1.42E-06	9.92E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.03E-07	0.00E+00	2.86E-07	1.02E-07	8.93E-08	0.00E+00	1.91E-07
326	481118.31	3768137.52	9.4721E-07	3.9451E-07	0.00E+00	1.34E-06	9.37E-07	5.74E-07	0.00E+00	1.51E-06	1.72E-07	9.78E-08	0.00E+00	2.70E-07	9.61E-08	8.44E-08	0.00E+00	1.80E-07
327	481149.02	3768117.62	8.4854E-07	3.5341E-07	0.00E+00	1.20E-06	8.40E-07	5.14E-07	0.00E+00	1.35E-06	1.54E-07	8.76E-08	0.00E+00	2.42E-07	8.61E-08	7.56E-08	0.00E+00	1.62E-07
328	481157.99	3768113.96	8.3352E-07	3.4716E-07	0.00E+00	1.18E-06	8.25E-07	5.05E-07	0.00E+00	1.33E-06	1.51E-07	8.60E-08	0.00E+00	2.37E-07	8.46E-08	7.43E-08	0.00E+00	1.59E-07
329	481166.97	3768110.3	8.1925E-07	3.4121E-07	0.00E+00	1.16E-06	8.11E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.46E-08	0.00E+00	2.33E-07	8.31E-08	7.30E-08	0.00E+00	1.56E-07
330	481175.94	3768106.64	8.0567E-07	3.3556E-07	0.00E+00	1.14E-06	7.97E-07	4.88E-07	0.00E+00	1.29E-06	1.46E-07	8.32E-08	0.00E+00	2.30E-07	8.17E-08	7.18E-08	0.00E+00	1.54E-07
331	481184.91	3768102.99	7.9237E-07	3.3002E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.18E-08	0.00E+00	2.26E-07	8.04E-08	7.06E-08	0.00E+00	1.51E-07
332	481193.89	3768099.33	7.7947E-07	3.2465E-07	0.00E+00	1.10E-06	7.71E-07	4.72E-07	0.00E+00	1.24E-06	1.42E-07	8.05E-08	0.00E+00	2.22E-07	7.91E-08	6.94E-08	0.00E+00	1.49E-07
333	481202.86	3768095.67	7.6724E-07	3.1955E-07	0.00E+00	1.09E-06	7.59E-07	4.65E-07	0.00E+00	1.22E-06	1.39E-07	7.92E-08	0.00E+00	2.19E-07	7.78E-08	6.84E-08	0.00E+00	1.46E-07
334	481211.84	3768092.01	7.5566E-07	3.1473E-07	0.00E+00	1.07E-06	7.48E-07	4.58E-07	0.00E+00	1.21E-06	1.37E-07	7.80E-08	0.00E+00	2.15E-07	7.67E-08	6.73E-08	0.00E+00	1.44E-07
335	481220.81	3768088.35	7.446E-07	3.1012E-07	0.00E+00	1.05E-06	7.37E-07	4.51E-07	0.00E+00	1.19E-06	1.35E-07	7.69E-08	0.00E+00	2.12E-07	7.55E-08	6.63E-08	0.00E+00	1.42E-07
336	481229.79	3768084.69	7.3397E-07	3.057E-07	0.00E+00	1.04E-06	7.26E-07	4.45E-07	0.00E+00	1.17E-06	1.33E-07	7.58E-08	0.00E+00	2.09E-07	7.45E-08	6.54E-08	0.00E+00	1.40E-07
337	481238.76	3768081.04	7.2387E-07	3.0149E-07	0.00E+00	1.03E-06	7.16E-07	4.39E-07	0.00E+00	1.15E-06	1.32E-07	7.47E-08	0.00E+00	2.06E-07	7.34E-08	6.45E-08	0.00E+00	1.38E-07
338	481247.74	3768077.38	7.1451E-07	2.9759E-07	0.00E+00	1.01E-06	7.07E-07	4.33E-07	0.00E+00	1.14E-06	1.30E-07	7.38E-08	0.00E+00	2.04E-07	7.25E-08	6.37E-08	0.00E+00	1.36E-07
339	481256.71	3768073.72	7.0586E-07	2.9399E-07	0.00E+00	1.00E-06	6.98E-07	4.28E-07	0.00E+00	1.13E-06

367	481237.52	3768051.59	6.2702E-07	2.6115E-07	0.00E+00	8.88E-07	6.20E-07	3.80E-07	0.00E+00	1.00E-06	1.14E-07	6.47E-08	0.00E+00	1.79E-07	6.36E-08	5.59E-08	0.00E+00	1.19E-07
368	481246.62	3768047.89	6.1982E-07	2.5815E-07	0.00E+00	8.78E-07	6.13E-07	3.76E-07	0.00E+00	9.89E-07	1.13E-07	6.40E-08	0.00E+00	1.77E-07	6.29E-08	5.52E-08	0.00E+00	1.18E-07
369	481255.72	3768044.18	6.1306E-07	2.5534E-07	0.00E+00	8.68E-07	6.07E-07	3.72E-07	0.00E+00	9.78E-07	1.11E-07	6.33E-08	0.00E+00	1.75E-07	6.22E-08	5.46E-08	0.00E+00	1.17E-07
370	481264.82	3768040.47	6.0673E-07	2.527E-07	0.00E+00	8.59E-07	6.00E-07	3.68E-07	0.00E+00	9.68E-07	1.10E-07	6.26E-08	0.00E+00	1.73E-07	6.15E-08	5.41E-08	0.00E+00	1.16E-07
371	481273.92	3768036.76	6.0086E-07	2.5026E-07	0.00E+00	8.51E-07	5.95E-07	3.64E-07	0.00E+00	9.59E-07	1.09E-07	6.20E-08	0.00E+00	1.71E-07	6.09E-08	5.35E-08	0.00E+00	1.14E-07
372	481283.02	3768033.05	5.9548E-07	2.4801E-07	0.00E+00	8.43E-07	5.89E-07	3.61E-07	0.00E+00	9.50E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.04E-08	5.31E-08	0.00E+00	1.13E-07
373	481292.11	3768029.34	5.9055E-07	2.4596E-07	0.00E+00	8.37E-07	5.84E-07	3.58E-07	0.00E+00	9.42E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	5.99E-08	5.26E-08	0.00E+00	1.13E-07
374	481301.21	3768025.63	5.8608E-07	2.441E-07	0.00E+00	8.30E-07	5.80E-07	3.55E-07	0.00E+00	9.35E-07	1.06E-07	6.05E-08	0.00E+00	1.67E-07	5.95E-08	5.22E-08	0.00E+00	1.12E-07
375	481310.31	3768021.92	5.8196E-07	2.4238E-07	0.00E+00	8.24E-07	5.76E-07	3.53E-07	0.00E+00	9.29E-07	1.06E-07	6.01E-08	0.00E+00	1.66E-07	5.90E-08	5.18E-08	0.00E+00	1.11E-07
376	481319.41	3768018.21	5.7832E-07	2.4087E-07	0.00E+00	8.19E-07	5.72E-07	3.50E-07	0.00E+00	9.23E-07	1.05E-07	5.97E-08	0.00E+00	1.65E-07	5.87E-08	5.15E-08	0.00E+00	1.10E-07
377	481328.51	3768014.5	5.7517E-07	2.3955E-07	0.00E+00	8.15E-07	5.69E-07	3.49E-07	0.00E+00	9.18E-07	1.05E-07	5.94E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.10E-07
378	481042.47	3768174.23	1.1914E-06	4.9621E-07	0.00E+00	1.69E-06	1.18E-06	7.22E-07	0.00E+00	1.90E-06	2.16E-07	1.23E-07	0.00E+00	3.39E-07	1.21E-07	1.06E-07	0.00E+00	2.27E-07
379	481046.22	3768165.39	1.1187E-06	4.6594E-07	0.00E+00	1.58E-06	1.11E-06	6.78E-07	0.00E+00	1.78E-06	2.03E-07	1.15E-07	0.00E+00	3.19E-07	1.13E-07	9.97E-08	0.00E+00	2.13E-07
380	481049.97	3768156.56	1.0531E-06	4.3859E-07	0.00E+00	1.49E-06	1.04E-06	6.38E-07	0.00E+00	1.68E-06	1.91E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.38E-08	0.00E+00	2.01E-07
381	481053.72	3768147.72	9.9349E-07	4.1378E-07	0.00E+00	1.41E-06	9.83E-07	6.02E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.85E-08	0.00E+00	1.89E-07
382	481057.47	3768138.89	9.3954E-07	3.9131E-07	0.00E+00	1.33E-06	9.30E-07	5.69E-07	0.00E+00	1.50E-06	1.71E-07	9.70E-08	0.00E+00	2.68E-07	9.53E-08	8.37E-08	0.00E+00	1.79E-07
383	481061.22	3768130.05	8.9038E-07	3.7084E-07	0.00E+00	1.26E-06	8.81E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.19E-08	0.00E+00	2.54E-07	9.03E-08	7.93E-08	0.00E+00	1.70E-07
384	481064.97	3768121.21	8.4546E-07	3.5213E-07	0.00E+00	1.20E-06	8.37E-07	5.12E-07	0.00E+00	1.35E-06	1.54E-07	8.73E-08	0.00E+00	2.41E-07	8.58E-08	7.53E-08	0.00E+00	1.61E-07
385	481068.72	3768112.38	8.0448E-07	3.3506E-07	0.00E+00	1.14E-06	7.96E-07	4.88E-07	0.00E+00	1.28E-06	1.46E-07	8.30E-08	0.00E+00	2.29E-07	8.16E-08	7.17E-08	0.00E+00	1.53E-07
386	481072.47	3768103.54	7.668E-07	3.1937E-07	0.00E+00	1.09E-06	7.59E-07	4.65E-07	0.00E+00	1.22E-06	1.39E-07	7.91E-08	0.00E+00	2.18E-07	7.78E-08	6.83E-08	0.00E+00	1.46E-07
387	481076.22	3768094.7	7.3205E-07	3.0489E-07	0.00E+00	1.04E-06	7.24E-07	4.44E-07	0.00E+00	1.17E-06	1.33E-07	7.56E-08	0.00E+00	2.09E-07	7.43E-08	6.52E-08	0.00E+00	1.39E-07
388	481088.86	3768082.25	6.8942E-07	2.8714E-07	0.00E+00	9.77E-07	6.82E-07	4.18E-07	0.00E+00	1.10E-06	1.25E-07	7.12E-08	0.00E+00	1.96E-07	6.99E-08	6.14E-08	0.00E+00	1.31E-07
389	481097.74	3768078.62	6.7877E-07	2.827E-07	0.00E+00	9.61E-07	6.72E-07	4.11E-07	0.00E+00	1.08E-06	1.23E-07	7.01E-08	0.00E+00	1.93E-07	6.89E-08	6.05E-08	0.00E+00	1.29E-07
390	481106.63	3768075	6.6838E-07	2.7838E-07	0.00E+00	9.47E-07	6.61E-07	4.05E-07	0.00E+00	1.07E-06	1.21E-07	6.90E-08	0.00E+00	1.90E-07	6.78E-08	5.95E-08	0.00E+00	1.27E-07
391	481115.52	3768071.38	6.5816E-07	2.7412E-07	0.00E+00	9.32E-07	6.51E-07	3.99E-07	0.00E+00	1.05E-06	1.20E-07	6.79E-08	0.00E+00	1.88E-07	6.68E-08	5.86E-08	0.00E+00	1.25E-07
392	481124.41	3768067.75	6.4819E-07	2.6997E-07	0.00E+00	9.18E-07	6.41E-07	3.93E-07	0.00E+00	1.03E-06	1.18E-07	6.69E-08	0.00E+00	1.85E-07	6.58E-08	5.78E-08	0.00E+00	1.24E-07
393	481151.08	3768056.88	6.2004E-07	2.5824E-07	0.00E+00	8.78E-07	6.14E-07	3.76E-07	0.00E+00	9.89E-07	1.13E-07	6.40E-08	0.00E+00	1.77E-07	6.29E-08	5.52E-08	0.00E+00	1.18E-07
394	481159.96	3768053.26	6.1148E-07	2.5468E-07	0.00E+00	8.66E-07	6.05E-07	3.71E-07	0.00E+00	9.76E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.45E-08	0.00E+00	1.17E-07
395	481168.85	3768049.64	6.0326E-07	2.5125E-07	0.00E+00	8.55E-07	5.97E-07	3.66E-07	0.00E+00	9.63E-07	1.10E-07	6.23E-08	0.00E+00	1.72E-07	6.12E-08	5.37E-08	0.00E+00	1.15E-07
396	481177.74	3768046.01	5.9535E-07	2.4796E-07	0.00E+00	8.43E-07	5.89E-07	3.61E-07	0.00E+00	9.50E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.04E-08	5.30E-08	0.00E+00	1.13E-07
397	481186.63	3768042.39	5.8743E-07	2.4466E-07	0.00E+00	8.32E-07	5.81E-07	3.56E-07	0.00E+00	9.37E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.96E-08	5.23E-08	0.00E+00	1.12E-07
398	481195.52	3768038.77	5.798E-07	2.4148E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.98E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
399	481204.41	3768035.14	5.7252E-07	2.3845E-07	0.00E+00	8.11E-07	5.67E-07	3.47E-07	0.00E+00	9.13E-07	1.04E-07	5.91E-08	0.00E+00	1.63E-07	5.81E-08	5.10E-08	0.00E+00	1.09E-07
400	481213.3	3768031.52	5.657E-07	2.3561E-07	0.00E+00	8.01E-07	5.60E-07	3.43E-07	0.00E+00	9.03E-07	1.03E-07	5.84E-08	0.00E+00	1.61E-07	5.74E-08	5.04E-08	0.00E+00	1.08E-07
401	481222.18	3768027.9	5.5931E-07	2.3295E-07	0.00E+00	7.92E-07	5.53E-07	3.39E-07	0.00E+00	8.92E-07	1.02E-07	5.77E-08	0.00E+00	1.59E-07	5.67E-08	4.98E-08	0.00E+00	1.07E-07
402	481231.07	3768024.27	5.5321E-07	2.3041E-07	0.00E+00	7.84E-07	5.47E-07	3.35E-07	0.00E+00	8.83E-07	1.01E-07	5.71E-08	0.00E+00	1.58E-07	5.61E-08	4.93E-08	0.00E+00	1.05E-07
403	481239.96	3768020.65	5.4744E-07	2.2801E-07	0.00E+00	7.75E-07	5.42E-07	3.32E-07	0.00E+00	8.73E-07	9.95E-08	5.65E-08	0.00E+00	1.56E-07	5.55E-08	4.88E-08	0.00E+00	1.04E-07
404	481248.85	3768017.03	5.4202E-07	2.2575E-07	0.00E+00	7.68E-07	5.36E-07	3.28E-07	0.00E+00	8.65E-07	9.85E-08	5.59E-08	0.00E+00	1.54E-07	5.50E-08	4.83E-08	0.00E+00	1.03E-07
405	481257.74	3768013.4	5.3691E-07	2.2362E-07	0.00E+00	7.61E-07	5.31E-07	3.25E-07	0.00E+00	8.57E-07	9.76E-08	5.54E-08	0.00E+00	1.53E-07	5.45E-08	4.78E-08	0.00E+00	1.02E-07
406	481266.63	3768009.78	5.3219E-07	2.2165E-07	0.00E+00	7.54E-07	5.27E-07	3.23E-07	0.00E+00	8.49E-07	9.67E-08	5.49E-08	0.00E+00	1.52E-07	5.40E-08	4.74E-08	0.00E+00	1.01E-07
407	481275.52	3768006.16	5.2781E-07	2.1983E-07	0.00E+00	7.48E-07	5.22E-07	3.20E-07	0.00E+00	8.42E-07	9.59E-08	5.45E-08	0.00E+00	1.50E-07	5.35E-08	4.70E-08	0.00E+00	1.01E-07
408	481284.4	3768002.53	5.2378E-07	2.1815E-07	0.00E+00	7.42E-07	5.18E-07	3.17E-07	0.00E+00	8.36E-07	9.52E-08	5.41E-08	0.00E+00	1.49E-07	5.31E-08	4.67E-08	0.00E+00	9.98E-08
409	481293.29	3767998.91	5.2014E-07	2.1663E-07	0.00E+00	7.37E-07	5.15E-07	3.15E-07	0.00E+00	8.30E-07	9.45E-08	5.37E-08	0.00E+00	1.48E-07	5.28E-08	4.63E-08	0.00E+00	9.91E-08
410	481302.18	3767995.29	5.1682E-07	2.1525E-07	0.00E+00	7.32E-07	5.11E-07	3.13E-07	0.00E+00	8.25E-07	9.39E-08	5.33E-08	0.00E+00	1.47E-07	5.24E-08	4.60E-08	0.00E+00	9.85E-08
411	481311.07	3767991.66	5.1375E-07	2.1397E-07	0.00E+00	7.28E-07	5.08E-07	3.11E-07	0.00E+00	8.20E-07	9.33E-08	5.30E-08	0.00E+00	1.46E-07	5.21E-08	4.58E-08	0.00E+00	9.79E-08
412	481319.96	3767988.04	5.1107E-07	2.1286E-07	0.00E+00	7.24E-07	5.06E-07	3.10E-07	0.00E+00	8.15E-07	9.29E-08	5.28E-08	0.00E+00	1.46E-07	5.18E-08	4.55E-08	0.00E+00	9.74E-08
413	481328.85	3767984.42	5.0876E-07	2.119E-07	0.00E+00	7.21E-07	5.03E-07	3.08E-07	0.00E+00	8.12E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
414	481013.36	3768171.85	1.1569E-06	4.8186E-07	0.00E+00	1.64E-06	1.14E-06	7.01E-07	0.00E+00	1.85E-06	2.10E-07	1.19E-07	0.00E+00	3.30E-07	1.17E-07	1.03E-07	0.00E+00	2.20E-07
415	481017.15	3768162.91	1.0871E-06	4.5276E-07	0.00E+00	1.54E-06	1.08E-06	6.59E-07	0.00E+00	1.73E-06	1.98E-07	1.12E-07	0.00E+00	3.10E-07	1.10E-07	9.69E-08	0.00E+00	2.07E-07
416	481020.95	3768153.96	1.0236E-06	4.2631E-07	0.00E+00	1.45E-06	1.01E-06	6.20E-07	0.00E+00	1.63E-06	1.86E-07	1.06E-07	0.00E+00	2.92E-07	1.04E-07	9.12E-08	0.00E+00	1.95E-07
417	481024.74	3768145.01	9.6589E-07	4.0229E-07	0.00E+00	1.37E-06	9.56E-07	5.85E-07	0.00E+00	1.54E-06	1.76E-07	9.97E-08	0.00E+00	2.75E-07	9.80E-08	8.61E-08	0.00E+00	1.84E-07
418	481028.54	3768136.07	9.1353E-07	3.8048E-07	0.00E+00	1.29E-06	9.04E-07	5.54E-07	0.00E+00	1.46E-06	1.66E-07	9.43E-08	0.00E+00	2.60E-07	9.27E-08	8.14E-08	0.00E+00	1.74E-07
419	481032.34	3768127.12	8.6592E-07	3.6065E-07	0.00E+00	1.23E-06	8.57E-07	5.25E-07	0.00E+00	1.38E-06	1.57E-07	8.94E-08	0.00E+00	2.47E-07	8.78E-08	7.71E-08	0.00E+00	1.65E-07
420	481036.13	3768118.18	8.2264E-07	3.4263E-07	0.00E+00	1.17E-06	8.14E-07	4.99E-07	0.00E+00	1.31E-06	1.49E-07	8.49E-08	0.00E+00	2.34E-07	8.34E-08	7.33E-08	0.00E+00	1.57E-07
421	481039.93	3768109.23	0.000000783	3.2612E-07	0.00E+00	1.11E-06	7.75E-07	4.75E-07	0.00E+00	1.25E-06	1.42E-07	8.08E-08	0.00E+00	2.23E-07	7.94E-08	6.98E-08	0.00E+00	1.49E-07
422	481043.72	3768100.29	7.4658E-07	3.1095E-07	0.00E+00	1.06E-06	7.39E-07	4.52E-07	0.00E+00	1.19E-06	1.36E-07	7.71E-08	0.00E+00	2.13E-07	7.57E-08	6.65E-08	0.00E+00	1.42E-07
423	481047.52	3768091.34	7.1287E-07	2.9691E-07	0.00E+00	1.01E-06	7.05E-07	4.32E-07	0.00E+00	1.14E-06	1.30E-07	7.36E-08	0.00E+00	2.03E-07	7.23E-08	6.35E-08	0.00E+00	1.36E-07
424	481051.31	3768082.4	6.8171E-07	2.8393E-07	0.00E+00	9.66E-07	6.75E-07	4.13E-07	0.00E+00	1.09E-06	1.24E-07	7.04E-08	0.00E+00	1.94E-07	6.92E-08	6.07E-08	0.00E+00	1.30E-07
425	481055.11	3768073.45	6.5286E-07	2.7191E-07	0.00E+00	9.25E-07	6.46E-07	3.96E-07	0.00E+00	1.04E-06	1.19E-07	6.74E-08	0.00E+00	1.86E-07	6.62E-08	5.82E-08	0.00E+00	1.24E-07
426	481067.9	3768060.84	6.1729E-07	2.571E-07	0.00E+00	8.74E-07	6.11E-07	3.74E-07	0.00E+00	9.85E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
427	481076.9	3768057.17	6.0846E-07	2.5342E-07	0.00E+00	8.62E-07	6.02E-07	3.69E-07	0.00E+00	9.71E-07	1.11E-07	6.28E-08	0.00E+00	1.73E-07	6.17E-08	5.42E-08	0.00E+00	1.16E-07
428	481085.9	3768053.5	5.9976E-07	2.498E-07	0.00E+00	8.50E-07	5.93E-07	3.63E-07	0.00E+00	9.57E-07	1.09E-07	6.19E-08	0.00E+00	1.71E-07	6.08E-08	5.34E-08	0.00E+00	1.14E-07
429	481094.9	3768049.83	5.9115E-07	2.4621E-07	0.00E+00	8.37E-07	5.85E-07	3.58E-07	0.00E+00	9.43E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	6.00E-08	5.27E-08	0.00E+00	1.13E-07
430	481103.9	3768046.16	5.8271E-07	2.427E-07	0.00E+00	8.25E-07	5.77E-07	3.53E-07	0.00E+00	9.30E-07	1.06E-07	6.01E-08	0.00E+00	1.66E-07	5.91E-08	5.19E-08	0.00E+00	1.11E-07
431	481112.9	3768042.5	5.7462E-07	2.3933E-07	0.00E+00	8.14E-07	5.69E-07	3.48E-07	0.00E+00	9.17E-07	1.04E-07	5.93E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.09E-07
432	481121.9	3768038.83	5.667E-07	2.3603E-07	0.00E+00	8.03E-07	5.61E-07	3.43E-07	0.00E+00	9.04E-07	1.03E-07	5.85E-08	0.00E+00	1.61E-07	5.75E-08	5.05E-08	0.00E+00	1.08E-07
433	481148.89	3768027.82	5.4409E-07	2.2661E-07	0.00E+00	7.71E-07	5.38E-07	3.30E-07	0.00E+00	8.68E-07	9.89E-08	5.62E-08	0.00E+00	1.55E-07	5.52E-08	4.85E-08	0.00E+00	1.04E-07
434	481157.89	3768024.16	5.3705E-07	2.2368E-07	0.00E+00	7.61E-07	5.31E-07	3.25E-07	0.00E+00	8.57E-07	9.76E-08	5.54E-08	0.00E+00	1.53E-07	5.45E-08	4.78E-08	0.00E+00	1.02E-07
435	481166.89	3768020.49	5.3012E-07	2.2079E-07	0.00E+00	7.51E-07	5.25E-07	3.21E-07	0.00E+00	8.46E-07	9.63E-08	5.47E-08	0.00E+00	1.51E-07	5.38E-08	4.72E-08	0.00E+00	1.01E-07
436	481175.89	3768016.82	5.2333E-07	2.1796E-07	0.00E+00	7.41E-07	5.18E-07	3.17E-07	0.00E+00	8.35E-07	9.51E-08	5.40E-08	0.00E+00	1.49E-07	5.31E-08	4.66E-08	0.00E+00	9.97E-08
437	481184.89	3768013.15	5.1699E-07	2.1532E-07	0.00E+00	7.32E-07	5.12E-07	3.13E-07	0.00E+00	8.25E-07	9.39E-08	5.34E-08	0.00E+00	1.47E-07	5.24E-08	4.61E-08	0.00E+00	9.85E-08
438	481193.88	3768009.48	5.1095E-07	2.1281E-07	0.00E+00	7.24E-07	5.06E-07	3.10E-07	0.00E+00	8.15E-07	9.28E-08	5.27E-08	0.00E+00	1.46E-07	5.18E-08	4.55E-08	0.00E+00	9.74E-08
439	481202.88	3768005.82	5.0511E-07	2.1037E-07	0.00E+00	7.15E-07	5.00E-07	3.06E-07	0.00E+00	8.06E-07	9.18E-08	5.21E-08	0.00E+00	1.44E-07	5.12E-08	4.50E-08	0.00E+00	9.62E-08
440	481211.88	3768002.15	4.9948E-07	2.0803E-07	0.00E+00	7.08E-07	4.94E-07	3.03E-07	0.00E+00	7.97E-07	9.08E-08	5.16E-08	0.00E+00	1.42E-07	5.07E-08	4.45E-08	0.00E+00	9.52E-08
441	481220.88	3767998.48	4.9433E-07	2.0589E-07	0.00E+00	7.00E-07	4.89E-07	3.00E-07	0.00E+00	7.89E-07	8.98E-08	5.10E-08	0.00E+00	1.41E-07	5.01E-08	4.40E-08	0.00E+00	9.42E-08
442	481229.88	3767994.81	4.895E-07	2.0387E-07	0.00E+00	6.93E-07	4.84E-07	2.97E-07	0.00E+00	7.81E-07	8.89E-08	5.05E-08	0.00E+00	1.39E-07	4.97E-08	4.36E-08	0.00E+00	9.33E-08
443	481238.88	3767991.14	4.8497E-07	2.0199E-07	0.00E+00	6.87E-07	4.80E-07	2.94E-07	0.00E+00	7.74E-07	8.81E-08	5.01E-08	0.00E+00	1.38E-07	4.92E-08	4.32E-08	0.00E+00	9.24E-08
444	481247.88	3767987.47	4.8059E-07	2.0016E-07	0.00E+00	6.81E-07	4.76E-07	2.91E-07	0.00E+00	7.67E-07	8.73E-08	4.96E-08	0.00E+00	1.37E-07	4.88E-08	4.28E-08	0.00E+00	9.16E-08
445	481256.87	3767983.81	4.765E-07	1.9846E-07	0.00E+00	6.75E-07	4.72E-07	2.89E-07	0.00E+00	7.60E-07	8.66E-08	4.92E-08	0.00E+00	1.36E-07	4.83E-08	4.25E-08	0.00E+00	9.08E-08
446	481265.87	3767980.14	4.7268E-07	1.9687E-07	0.00E+00	6.70E-07	4.68E-07	2.86E-07	0.00E+00	7.54E-07	8.59E-08	4.88E-08	0.00E+00	1.35E-07	4.79E-08	4.21E-08	0.00E+00	9.01E-08
447	481274.87	3767976.47	4.6918E-07	1.9541E-07	0.00E+00	6.65E-07	4.64E-07	2.84E-07	0.00E+00	7.49E-07	8.52E-08	4.84E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.94E-08
448	481283.87	3767972.8	4.6597E-07	1.9408E-07	0.00E+00	6.60E-07	4.61E-07	2.82E-07	0.00E+00	7.43E-07	8.47E-08	4.81E-08	0.00E+00	1.33E-07	4.73E-08	4.15E-08	0.00E+00	8.88E-08
449	481292.87	3767969.13	4.6307E-07	1.9287E-07	0.00E+00	6.56E-07	4.58E-07	2.81E-07	0.00E+00	7.39E-07	8.41E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.82E-08
450	481301.87	3767965.47	4.6046E-07	1.9178E-07	0.00E+00	6.52E-07	4.56E-07	2.79E-07	0.00E+00	7.35E-07	8.37E-08	4.75E-08	0.00E+00	1.31E-07	4.67E-08	4.10E-08	0.00E+00	8.77E-08
451	481310.87	3767961.8	4.5805E-07	1.9078E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.32E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
452	481319.86	3767958.13	4.5594E-07	1.899E-07	0.00E+00	6.46E-07	4.51E-07	2.76E-07	0.00E+00	7.27E-07	8.28E-08	4.71E-08	0.00E+00	1.30E-07	4.62E-08	4.06E-08	0.00E+00	8.69E-08
453	481328.86	3767954.46	4.5412E-07	1.8914E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.25E-07	8.25E-08	4.69E-08	0.00E+00	1.29E-07	4.61E-08	4.05E-08	0.00E+00	8.65E-08
454	480984.13	3768169.72	1.1244E-06	4.6832E-07	0.00E+00	1.59E-06	1.11E-06	6.81E-07	0.00E+00	1.79E-06	2.04E-07	1.16E-07	0.00E+00	3.20E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
455	480987.97	3768160.68	1.0578E-06	4.4057E-07	0.00E+00	1.50E-06	1.05E-06	6.41E-07	0.00E+00	1.69E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.42E-08	0.00E+00	2.02E-07
456	480991.81	3768151.64	9.9705E-07	4.1527E-07	0.00E+00	1.41E-06	9.87E-07	6.04E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.84E-07	1.01E-07	8.88E-08	0.00E+00	1.90E-07
457	480995.64	3768142.6	9.4171E-07	3.9222E-07	0.00E+00	1.33E-06	9.32E-07	5.71E-07	0.00E+00	1.50E-06	1.71E-07	9.72E-08	0.00E+00	2.68E-07	9.55E-08	8.39E-08	0.00E+00	1.79E-07
458	480999.48	3768133.56	8.9125E-07	3.712E-07	0.00E+00	1.26E-06	8.82E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.20E-08	0.00E+00	2.54E-07	9.04E-08	7.94E-08	0.00E+00	1.70E-07
459	481003.32	3768124.52	8.4501E-07	3.5194E-07	0.00E+00	1.20E-06	8.36E-07	5.12E-07	0.00E+00	1.35E-06	1.54E-07	8.72E-08	0.00E+00	2.41E-07	8.57E-08	7.53E-08	0.00E+00	1.61E-07
460	481007.15	3768115.47	8.0269E-07	3.3432E-07	0.00E+00	1.14E-06	7.94E-07	4.86E-07	0.00E+00	1.28E-06	1.46E-07	8.29E-08	0.00E+00	2.29E-07	8.14E-08	7.15E-08	0.00E+00	1.53E-07
461	481010.99	3768106.43	0.000000764	3.182E-07	0.00E+00	1.08E-06	7.56E-07	4.63E-07	0.00E+00	1.22E-06	1.39E-07	7.89E-08	0.00E+00	2.18E-07	7.75E-08	6.81E-08	0.00E+00	1.46E-07
462	481014.82	3768097.39	7.2849E-07	3.0341E-07	0.00E+00	1.03E-06	7.21E-07	4.41E-07	0.00E+00	1.16E-06

490	480989.67	3768085.67	6.8007E-07	2.8324E-07	0.00E+00	9.63E-07	6.73E-07	4.12E-07	0.00E+00	1.09E-06	1.24E-07	7.02E-08	0.00E+00	1.94E-07	6.90E-08	6.06E-08	0.00E+00	1.30E-07
491	480993.55	3768076.54	6.5086E-07	2.7108E-07	0.00E+00	9.22E-07	6.44E-07	3.94E-07	0.00E+00	1.04E-06	1.18E-07	6.72E-08	0.00E+00	1.85E-07	6.60E-08	5.80E-08	0.00E+00	1.24E-07
492	481005.16	3768049.16	5.7441E-07	2.3924E-07	0.00E+00	8.14E-07	5.68E-07	3.48E-07	0.00E+00	9.17E-07	1.04E-07	5.93E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.09E-07
493	481009.04	3768040.03	5.5259E-07	2.3015E-07	0.00E+00	7.83E-07	5.47E-07	3.35E-07	0.00E+00	8.82E-07	1.00E-07	5.70E-08	0.00E+00	1.57E-07	5.61E-08	4.92E-08	0.00E+00	1.05E-07
494	481012.91	3768030.9	5.3223E-07	2.2167E-07	0.00E+00	7.54E-07	5.27E-07	3.23E-07	0.00E+00	8.49E-07	9.67E-08	5.49E-08	0.00E+00	1.52E-07	5.40E-08	4.74E-08	0.00E+00	1.01E-07
495	481025.96	3768018.04	5.0687E-07	2.1111E-07	0.00E+00	7.18E-07	5.02E-07	3.07E-07	0.00E+00	8.09E-07	9.21E-08	5.23E-08	0.00E+00	1.44E-07	5.14E-08	4.52E-08	0.00E+00	9.66E-08
496	481035.14	3768014.29	5.0052E-07	2.0847E-07	0.00E+00	7.09E-07	4.95E-07	3.03E-07	0.00E+00	7.99E-07	9.09E-08	5.17E-08	0.00E+00	1.43E-07	5.08E-08	4.46E-08	0.00E+00	9.54E-08
497	481044.32	3768010.55	4.9417E-07	2.0582E-07	0.00E+00	7.00E-07	4.89E-07	2.99E-07	0.00E+00	7.88E-07	8.98E-08	5.10E-08	0.00E+00	1.41E-07	5.01E-08	4.40E-08	0.00E+00	9.42E-08
498	481053.5	3768006.81	4.8792E-07	2.0322E-07	0.00E+00	6.91E-07	4.83E-07	2.96E-07	0.00E+00	7.79E-07	8.87E-08	5.04E-08	0.00E+00	1.39E-07	4.95E-08	4.35E-08	0.00E+00	9.30E-08
499	481062.69	3768003.07	4.8177E-07	2.0066E-07	0.00E+00	6.82E-07	4.77E-07	2.92E-07	0.00E+00	7.69E-07	8.75E-08	4.97E-08	0.00E+00	1.37E-07	4.89E-08	4.29E-08	0.00E+00	9.18E-08
500	481071.87	3767999.32	4.7569E-07	1.9812E-07	0.00E+00	6.74E-07	4.71E-07	2.88E-07	0.00E+00	7.59E-07	8.64E-08	4.91E-08	0.00E+00	1.36E-07	4.83E-08	4.24E-08	0.00E+00	9.06E-08
501	481081.05	3767995.58	4.6973E-07	1.9564E-07	0.00E+00	6.65E-07	4.65E-07	2.85E-07	0.00E+00	7.49E-07	8.53E-08	4.85E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.95E-08
502	481090.23	3767991.84	4.6387E-07	1.932E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.40E-07	8.43E-08	4.79E-08	0.00E+00	1.32E-07	4.71E-08	4.13E-08	0.00E+00	8.84E-08
503	481099.41	3767988.1	4.581E-07	1.908E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.32E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
504	481108.59	3767984.35	4.5248E-07	1.8846E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
505	481117.77	3767980.61	4.4703E-07	1.8618E-07	0.00E+00	6.33E-07	4.42E-07	2.71E-07	0.00E+00	7.13E-07	8.12E-08	4.61E-08	0.00E+00	1.27E-07	4.53E-08	3.98E-08	0.00E+00	8.52E-08
506	481126.95	3767976.87	4.4164E-07	1.8394E-07	0.00E+00	6.26E-07	4.37E-07	2.68E-07	0.00E+00	7.05E-07	8.02E-08	4.56E-08	0.00E+00	1.26E-07	4.48E-08	3.93E-08	0.00E+00	8.41E-08
507	481283.03	3767913.25	3.7771E-07	1.5731E-07	0.00E+00	5.35E-07	3.74E-07	2.29E-07	0.00E+00	6.03E-07	6.86E-08	3.90E-08	0.00E+00	1.08E-07	3.83E-08	3.37E-08	0.00E+00	7.20E-08
508	481292.21	3767909.51	3.7576E-07	1.565E-07	0.00E+00	5.32E-07	3.72E-07	2.28E-07	0.00E+00	6.00E-07	6.83E-08	3.88E-08	0.00E+00	1.07E-07	3.81E-08	3.35E-08	0.00E+00	7.16E-08
509	481301.39	3767905.76	3.7401E-07	1.5577E-07	0.00E+00	5.30E-07	3.70E-07	2.27E-07	0.00E+00	5.97E-07	6.80E-08	3.86E-08	0.00E+00	1.07E-07	3.79E-08	3.33E-08	0.00E+00	7.13E-08
510	481310.57	3767902.02	3.7254E-07	1.5516E-07	0.00E+00	5.28E-07	3.69E-07	2.26E-07	0.00E+00	5.94E-07	6.77E-08	3.85E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.10E-08
511	481319.75	3767898.28	3.7127E-07	1.5463E-07	0.00E+00	5.26E-07	3.67E-07	2.25E-07	0.00E+00	5.92E-07	6.75E-08	3.83E-08	0.00E+00	1.06E-07	3.77E-08	3.31E-08	0.00E+00	7.07E-08
512	481328.93	3767894.54	3.7019E-07	1.5418E-07	0.00E+00	5.24E-07	3.66E-07	2.24E-07	0.00E+00	5.91E-07	6.73E-08	3.82E-08	0.00E+00	1.05E-07	3.76E-08	3.30E-08	0.00E+00	7.05E-08
513	480934.89	3768143.78	9.2557E-07	3.855E-07	0.00E+00	1.31E-06	9.16E-07	5.61E-07	0.00E+00	1.48E-06	1.68E-07	9.55E-08	0.00E+00	2.64E-07	9.39E-08	8.25E-08	0.00E+00	1.76E-07
514	480938.69	3768134.82	8.7724E-07	3.6536E-07	0.00E+00	1.24E-06	8.68E-07	5.32E-07	0.00E+00	1.40E-06	1.59E-07	9.05E-08	0.00E+00	2.50E-07	8.90E-08	7.82E-08	0.00E+00	1.67E-07
515	480942.49	3768125.86	8.3275E-07	3.4684E-07	0.00E+00	1.18E-06	8.24E-07	5.05E-07	0.00E+00	1.33E-06	1.51E-07	8.60E-08	0.00E+00	2.37E-07	8.45E-08	7.42E-08	0.00E+00	1.59E-07
516	480946.29	3768116.9	7.918E-07	3.2978E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.26E-07	8.03E-08	7.05E-08	0.00E+00	1.51E-07
517	480950.1	3768107.94	7.5415E-07	3.141E-07	0.00E+00	1.07E-06	7.46E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.78E-08	0.00E+00	2.15E-07	7.65E-08	6.72E-08	0.00E+00	1.44E-07
518	480953.9	3768098.98	7.1947E-07	2.9966E-07	0.00E+00	1.02E-06	7.12E-07	4.36E-07	0.00E+00	1.15E-06	1.31E-07	7.43E-08	0.00E+00	2.05E-07	7.30E-08	6.41E-08	0.00E+00	1.37E-07
519	480957.7	3768090.02	6.875E-07	2.8634E-07	0.00E+00	9.74E-07	6.80E-07	4.17E-07	0.00E+00	1.10E-06	1.25E-07	7.10E-08	0.00E+00	1.96E-07	6.97E-08	6.13E-08	0.00E+00	1.31E-07
520	480972.91	3768054.18	5.8166E-07	2.4226E-07	0.00E+00	8.24E-07	5.76E-07	3.53E-07	0.00E+00	9.28E-07	1.06E-07	6.00E-08	0.00E+00	1.66E-07	5.90E-08	5.18E-08	0.00E+00	1.11E-07
521	480976.71	3768045.22	5.5961E-07	2.3308E-07	0.00E+00	7.93E-07	5.54E-07	3.39E-07	0.00E+00	8.93E-07	1.02E-07	5.78E-08	0.00E+00	1.59E-07	5.68E-08	4.99E-08	0.00E+00	1.07E-07
522	480980.51	3768036.26	5.3903E-07	2.245E-07	0.00E+00	7.64E-07	5.33E-07	3.27E-07	0.00E+00	8.60E-07	9.79E-08	5.56E-08	0.00E+00	1.54E-07	5.47E-08	4.80E-08	0.00E+00	1.03E-07
523	480984.31	3768027.3	5.1973E-07	2.1647E-07	0.00E+00	7.36E-07	5.14E-07	3.15E-07	0.00E+00	8.29E-07	9.44E-08	5.36E-08	0.00E+00	1.48E-07	5.27E-08	4.63E-08	0.00E+00	9.90E-08
524	480988.12	3768018.34	5.016E-07	2.0891E-07	0.00E+00	7.11E-07	4.96E-07	3.04E-07	0.00E+00	8.00E-07	9.11E-08	5.18E-08	0.00E+00	1.43E-07	5.09E-08	4.47E-08	0.00E+00	9.56E-08
525	480991.92	3768009.38	4.8467E-07	2.0186E-07	0.00E+00	6.87E-07	4.80E-07	2.94E-07	0.00E+00	7.73E-07	8.81E-08	5.00E-08	0.00E+00	1.38E-07	4.92E-08	4.32E-08	0.00E+00	9.23E-08
526	481004.73	3767996.74	4.6347E-07	1.9303E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.39E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
527	481013.75	3767993.07	4.5818E-07	1.9083E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.33E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
528	481022.76	3767989.39	4.5289E-07	1.8863E-07	0.00E+00	6.42E-07	4.48E-07	2.74E-07	0.00E+00	7.23E-07	8.23E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.04E-08	0.00E+00	8.63E-08
529	481031.77	3767985.72	4.4761E-07	1.8643E-07	0.00E+00	6.34E-07	4.43E-07	2.71E-07	0.00E+00	7.14E-07	8.13E-08	4.62E-08	0.00E+00	1.28E-07	4.54E-08	3.99E-08	0.00E+00	8.53E-08
530	481040.79	3767982.04	4.4241E-07	1.8426E-07	0.00E+00	6.27E-07	4.38E-07	2.68E-07	0.00E+00	7.06E-07	8.04E-08	4.57E-08	0.00E+00	1.26E-07	4.49E-08	3.94E-08	0.00E+00	8.43E-08
531	481049.8	3767978.37	4.3734E-07	1.8215E-07	0.00E+00	6.19E-07	4.33E-07	2.65E-07	0.00E+00	6.98E-07	7.95E-08	4.51E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.33E-08
532	481058.81	3767974.7	4.3237E-07	1.8008E-07	0.00E+00	6.12E-07	4.28E-07	2.62E-07	0.00E+00	6.90E-07	7.86E-08	4.46E-08	0.00E+00	1.23E-07	4.39E-08	3.85E-08	0.00E+00	8.24E-08
533	481067.83	3767971.02	4.2741E-07	1.7801E-07	0.00E+00	6.05E-07	4.23E-07	2.59E-07	0.00E+00	6.82E-07	7.77E-08	4.41E-08	0.00E+00	1.22E-07	4.34E-08	3.81E-08	0.00E+00	8.14E-08
534	481076.84	3767967.35	4.2251E-07	1.7597E-07	0.00E+00	5.98E-07	4.18E-07	2.56E-07	0.00E+00	6.74E-07	7.68E-08	4.36E-08	0.00E+00	1.20E-07	4.29E-08	3.76E-08	0.00E+00	8.05E-08
535	481085.86	3767963.67	4.1767E-07	1.7396E-07	0.00E+00	5.92E-07	4.13E-07	2.53E-07	0.00E+00	6.66E-07	7.59E-08	4.31E-08	0.00E+00	1.19E-07	4.24E-08	3.72E-08	0.00E+00	7.96E-08
536	481094.87	3767960	4.1292E-07	1.7198E-07	0.00E+00	5.85E-07	4.09E-07	2.50E-07	0.00E+00	6.59E-07	7.50E-08	4.26E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.87E-08
537	481103.88	3767956.32	4.0824E-07	1.7003E-07	0.00E+00	5.78E-07	4.04E-07	2.47E-07	0.00E+00	6.51E-07	7.42E-08	4.21E-08	0.00E+00	1.16E-07	4.14E-08	3.64E-08	0.00E+00	7.78E-08
538	481112.9	3767952.65	4.0359E-07	1.6809E-07	0.00E+00	5.72E-07	3.99E-07	2.45E-07	0.00E+00	6.44E-07	7.33E-08	4.17E-08	0.00E+00	1.15E-07	4.09E-08	3.60E-08	0.00E+00	7.69E-08
539	481121.91	3767948.98	0.000000399	1.6618E-07	0.00E+00	5.65E-07	3.95E-07	2.42E-07	0.00E+00	6.37E-07	7.25E-08	4.12E-08	0.00E+00	1.14E-07	4.05E-08	3.55E-08	0.00E+00	7.60E-08
540	481166.98	3767930.6	3.7792E-07	1.574E-07	0.00E+00	5.35E-07	3.74E-07	2.29E-07	0.00E+00	6.03E-07	6.87E-08	3.90E-08	0.00E+00	1.08E-07	3.83E-08	3.37E-08	0.00E+00	7.20E-08
541	481175.99	3767926.93	3.742E-07	1.5585E-07	0.00E+00	5.30E-07	3.70E-07	2.27E-07	0.00E+00	5.97E-07	6.80E-08	3.86E-08	0.00E+00	1.07E-07	3.80E-08	3.33E-08	0.00E+00	7.13E-08
542	481185	3767923.26	3.7072E-07	1.544E-07	0.00E+00	5.25E-07	3.67E-07	2.25E-07	0.00E+00	5.92E-07	6.74E-08	3.83E-08	0.00E+00	1.06E-07	3.76E-08	3.30E-08	0.00E+00	7.06E-08
543	481194.02	3767919.58	3.6742E-07	1.5303E-07	0.00E+00	5.20E-07	3.64E-07	2.23E-07	0.00E+00	5.86E-07	6.68E-08	3.79E-08	0.00E+00	1.05E-07	3.73E-08	3.27E-08	0.00E+00	7.00E-08
544	481203.03	3767915.91	3.643E-07	1.5173E-07	0.00E+00	5.16E-07	3.60E-07	2.21E-07	0.00E+00	5.81E-07	6.62E-08	3.76E-08	0.00E+00	1.04E-07	3.70E-08	3.25E-08	0.00E+00	6.94E-08
545	481212.04	3767912.23	3.613E-07	1.5048E-07	0.00E+00	5.12E-07	3.58E-07	2.19E-07	0.00E+00	5.76E-07	6.56E-08	3.73E-08	0.00E+00	1.03E-07	3.66E-08	3.22E-08	0.00E+00	6.88E-08
546	481221.06	3767908.56	3.5842E-07	1.4928E-07	0.00E+00	5.08E-07	3.55E-07	2.17E-07	0.00E+00	5.72E-07	6.51E-08	3.70E-08	0.00E+00	1.02E-07	3.64E-08	3.19E-08	0.00E+00	6.83E-08
547	481230.07	3767904.89	3.557E-07	1.4815E-07	0.00E+00	5.04E-07	3.52E-07	2.16E-07	0.00E+00	5.68E-07	6.46E-08	3.67E-08	0.00E+00	1.01E-07	3.61E-08	3.17E-08	0.00E+00	6.78E-08
548	481239.09	3767901.21	3.5312E-07	1.4707E-07	0.00E+00	5.00E-07	3.49E-07	2.14E-07	0.00E+00	5.63E-07	6.42E-08	3.64E-08	0.00E+00	1.01E-07	3.58E-08	3.15E-08	0.00E+00	6.73E-08
549	481248.1	3767897.54	3.5078E-07	1.461E-07	0.00E+00	4.97E-07	3.47E-07	2.13E-07	0.00E+00	5.60E-07	6.37E-08	3.62E-08	0.00E+00	9.99E-08	3.56E-08	3.13E-08	0.00E+00	6.68E-08
550	481257.11	3767893.86	3.4863E-07	1.452E-07	0.00E+00	4.94E-07	3.45E-07	2.11E-07	0.00E+00	5.56E-07	6.33E-08	3.60E-08	0.00E+00	9.93E-08	3.54E-08	3.11E-08	0.00E+00	6.64E-08
551	481266.13	3767890.19	3.4665E-07	1.4438E-07	0.00E+00	4.91E-07	3.43E-07	2.10E-07	0.00E+00	5.53E-07	6.30E-08	3.58E-08	0.00E+00	9.88E-08	3.52E-08	3.09E-08	0.00E+00	6.60E-08
552	481275.14	3767886.51	3.4479E-07	1.436E-07	0.00E+00	4.88E-07	3.41E-07	2.09E-07	0.00E+00	5.50E-07	6.26E-08	3.56E-08	0.00E+00	9.82E-08	3.50E-08	3.07E-08	0.00E+00	6.57E-08
553	481284.15	3767882.84	3.4309E-07	1.429E-07	0.00E+00	4.86E-07	3.40E-07	2.08E-07	0.00E+00	5.47E-07	6.23E-08	3.54E-08	0.00E+00	9.78E-08	3.48E-08	3.06E-08	0.00E+00	6.54E-08
554	481293.17	3767879.17	3.4157E-07	1.4226E-07	0.00E+00	4.84E-07	3.38E-07	2.07E-07	0.00E+00	5.45E-07	6.21E-08	3.53E-08	0.00E+00	9.73E-08	3.46E-08	3.04E-08	0.00E+00	6.51E-08
555	481302.18	3767875.49	3.4023E-07	1.417E-07	0.00E+00	4.82E-07	3.37E-07	2.06E-07	0.00E+00	5.43E-07	6.18E-08	3.51E-08	0.00E+00	9.69E-08	3.45E-08	3.03E-08	0.00E+00	6.48E-08
556	481311.19	3767871.82	3.391E-07	1.4123E-07	0.00E+00	4.80E-07	3.36E-07	2.05E-07	0.00E+00	5.41E-07	6.16E-08	3.50E-08	0.00E+00	9.66E-08	3.44E-08	3.02E-08	0.00E+00	6.46E-08
557	481320.21	3767868.14	3.381E-07	1.4082E-07	0.00E+00	4.79E-07	3.35E-07	2.05E-07	0.00E+00	5.39E-07	6.14E-08	3.49E-08	0.00E+00	9.63E-08	3.43E-08	3.01E-08	0.00E+00	6.44E-08
558	481329.22	3767864.47	3.3727E-07	1.4047E-07	0.00E+00	4.78E-07	3.34E-07	2.04E-07	0.00E+00	5.38E-07	6.13E-08	3.48E-08	0.00E+00	9.61E-08	3.42E-08	3.00E-08	0.00E+00	6.43E-08
559	480936.3	3768069.44	6.1685E-07	2.5692E-07	0.00E+00	8.74E-07	6.10E-07	3.74E-07	0.00E+00	9.84E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
560	480940.14	3768060.4	5.9223E-07	2.4666E-07	0.00E+00	8.39E-07	5.86E-07	3.59E-07	0.00E+00	9.45E-07	1.08E-07	6.11E-08	0.00E+00	1.69E-07	6.01E-08	5.28E-08	0.00E+00	1.13E-07
561	480943.98	3768051.36	5.6922E-07	2.3708E-07	0.00E+00	8.06E-07	5.63E-07	3.45E-07	0.00E+00	9.08E-07	1.03E-07	5.88E-08	0.00E+00	1.62E-07	5.77E-08	5.07E-08	0.00E+00	1.08E-07
562	480947.81	3768042.32	5.4777E-07	2.2815E-07	0.00E+00	7.76E-07	5.42E-07	3.32E-07	0.00E+00	8.74E-07	9.95E-08	5.65E-08	0.00E+00	1.56E-07	5.56E-08	4.88E-08	0.00E+00	1.04E-07
563	480951.65	3768033.28	5.2773E-07	2.198E-07	0.00E+00	7.48E-07	5.22E-07	3.20E-07	0.00E+00	8.42E-07	9.59E-08	5.45E-08	0.00E+00	1.50E-07	5.35E-08	4.70E-08	0.00E+00	1.01E-07
564	480955.48	3768024.25	5.0896E-07	2.1198E-07	0.00E+00	7.21E-07	5.04E-07	3.08E-07	0.00E+00	8.12E-07	9.25E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.70E-08
565	480959.32	3768015.21	4.9131E-07	2.0463E-07	0.00E+00	6.96E-07	4.86E-07	2.98E-07	0.00E+00	7.84E-07	8.93E-08	5.07E-08	0.00E+00	1.40E-07	4.98E-08	4.38E-08	0.00E+00	9.36E-08
566	480963.15	3768006.17	4.747E-07	1.9771E-07	0.00E+00	6.72E-07	4.70E-07	2.88E-07	0.00E+00	7.57E-07	8.63E-08	4.90E-08	0.00E+00	1.35E-07	4.82E-08	4.23E-08	0.00E+00	9.04E-08
567	480966.99	3767997.13	4.5901E-07	1.9118E-07	0.00E+00	6.50E-07	4.54E-07	2.78E-07	0.00E+00	7.32E-07	8.34E-08	4.74E-08	0.00E+00	1.31E-07	4.66E-08	4.09E-08	0.00E+00	8.75E-08
568	480970.82	3767988.09	4.442E-07	1.8501E-07	0.00E+00	6.29E-07	4.40E-07	2.69E-07	0.00E+00	7.09E-07	8.07E-08	4.59E-08	0.00E+00	1.27E-07	4.51E-08	3.96E-08	0.00E+00	8.46E-08
569	480983.75	3767975.34	4.2581E-07	1.7735E-07	0.00E+00	6.03E-07	4.21E-07	2.58E-07	0.00E+00	6.79E-07	7.74E-08	4.40E-08	0.00E+00	1.21E-07	4.32E-08	3.79E-08	0.00E+00	8.11E-08
570	480992.84	3767971.64	4.2124E-07	1.7545E-07	0.00E+00	5.97E-07	4.17E-07	2.55E-07	0.00E+00	6.72E-07	7.65E-08	4.35E-08	0.00E+00	1.20E-07	4.27E-08	3.75E-08	0.00E+00	8.03E-08
571	481001.94	3767967.93	4.1664E-07	1.7353E-07	0.00E+00	5.90E-07	4.12E-07	2.52E-07	0.00E+00	6.65E-07	7.57E-08	4.30E-08	0.00E+00	1.19E-07	4.23E-08	3.71E-08	0.00E+00	7.94E-08
572	481011.03	3767964.23	4.1201E-07	1.716E-07	0.00E+00	5.84E-07	4.08E-07	2.50E-07	0.00E+00	6.57E-07	7.49E-08	4.25E-08	0.00E+00	1.17E-07	4.18E-08	3.67E-08	0.00E+00	7.85E-08
573	481020.12	3767960.52	4.0741E-07	1.6968E-07	0.00E+00	5.77E-07	4.03E-07	2.47E-07	0.00E+00	6.50E-07	7.40E-08	4.21E-08	0.00E+00	1.16E-07	4.13E-08	3.63E-08	0.00E+00	7.76E-08
574	481029.21	3767956.81	4.0284E-07	1.6778E-07	0.00E+00	5.71E-07	3.99E-07	2.44E-07	0.00E+00	6.43E-07	7.32E-08	4.16E-08	0.00E+00	1.15E-07	4.09E-08	3.59E-08	0.00E+00	7.68E-08
575	481038.31	3767953.11	3.9852E-07	1.6598E-07	0.00E+00	5.65E-07	3.94E-07	2.42E-07	0.00E+00	6.36E-07	7.24E-08	4.11E-08	0.00E+00	1.14E-07	4.04E-08	3.55E-08	0.00E+00	7.59E-08
576	481047.4	3767949.4	3.9421E-07	1.6419E-07	0.00E+00	5.58E-07	3.90E-07	2.39E-07	0.00E+00	6.29E-07	7.16E-08	4.07E-08	0.00E+00	1.12E-07	4.00E-08	3.51E-08	0.00E+00	7.51E-08
577	481101.95	3767927.16	3.6881E-07	1.5361E-07	0.00E+00	5.22E-07	3.65E-07	2.24E-07	0.00E+00	5.88E-07	6.70E-08	3.81E-08	0.00E+00	1.05E-07	3.74E-08	3.29E-08	0.00E+00	7.03E-08
578	481111.05	3767923.46	3.6483E-07	1.5195E-07	0.00E+00	5.17E-07	3.61E-07	2.21E-07	0.00E+00	5.82E-07	6.63E-08	3.77E-08	0.00E+00	1.04E-07	3.70E-08	3.25E-08	0.00E+00	6.95E-08
579	481120.14	3767919.75	3.6096E-07	1.5034E-07	0.00E+00	5.11E-07	3.57E-07	2.19E-07	0.00E+00	5.76E-07	6.56E-08	3.73E-08	0.00E+00	1.03E-07	3.66E-08	3.22E-08	0.00E+00	6.88E-08
580	481156.51	3767904.92	3.4653E-07	1.4433E-07	0.00E+00	4.91E-07	3.43E-07	2.10E-07	0.00E+00	5.53E-07	6.30E-08	3.58E-08	0.00E+00	9.87E-08	3.52E-08	3.09E-08	0.00E+00	6.60E-08
581	481165.6	3767901.22	3.4322E-07	1.4295E-07	0.00E+00	4.86E-07	3.40E-07	2.08E-07	0.00E+00	5.48E-07	6.24E-08	3.54E-08	0.00E+00	9.78E-08	3.48E-08	3.06E-08	0.00E+00	6.54E-08
582	481174.69	3767897.51	3.4004E-07	1.4163E-07	0.00E+00	4.82E-07	3.36E-07	2.06E-07	0.00E+00	5.43E-07	6.18E-08	3.51E-08	0.00E+00	9.69E-08	3.45E-08	3.03E-08	0.00E+00	6.48E-08
583	481183.79	3767893.8	3.3704E-07	1.4038E-07	0.00E+00	4.77E-07	3.34E-07	2.04E-07	0.00E+00	5.38E-07	6.12E-08	3.48E-08	0.00E+00	9.60E-08	3.42E-08	3.00E-08	0.00E+00	6.42E-08
584	481192.88	3767890.1	3.3422E-07	1.392E-07	0.00E+00	4.73E-07	3.31E-07	2.03E-07	0.00E+00	5.33E-07	6.07E-08	3.45E-08	0.00E+00	9.52E-08	3.39E-08	2.98E-08	0.00E+00	6.37E-08
585	481201.97	3767886.39	3.3151E-07	1.3807E-07	0.00E+00	4.70E-07	3.28E-07	2.01E-07	0.00E+00	5.29E-07	6.02E-08	3

613	480962.76	3767953.95	3.9304E-07	1.637E-07	0.00E+00	5.57E-07	3.89E-07	2.38E-07	0.00E+00	6.27E-07	7.14E-08	4.06E-08	0.00E+00	1.12E-07	3.99E-08	3.50E-08	0.00E+00	7.49E-08
614	480971.92	3767950.22	3.8904E-07	1.6203E-07	0.00E+00	5.51E-07	3.85E-07	2.36E-07	0.00E+00	6.21E-07	7.07E-08	4.02E-08	0.00E+00	1.11E-07	3.95E-08	3.47E-08	0.00E+00	7.41E-08
615	481026.91	3767927.8	3.6475E-07	1.5192E-07	0.00E+00	5.17E-07	3.61E-07	2.21E-07	0.00E+00	5.82E-07	6.63E-08	3.76E-08	0.00E+00	1.04E-07	3.70E-08	3.25E-08	0.00E+00	6.95E-08
616	481036.07	3767924.07	3.6095E-07	1.5033E-07	0.00E+00	5.11E-07	3.57E-07	2.19E-07	0.00E+00	5.76E-07	6.56E-08	3.73E-08	0.00E+00	1.03E-07	3.66E-08	3.22E-08	0.00E+00	6.88E-08
617	481045.24	3767920.33	3.5722E-07	1.4878E-07	0.00E+00	5.06E-07	3.53E-07	2.16E-07	0.00E+00	5.70E-07	6.49E-08	3.69E-08	0.00E+00	1.02E-07	3.62E-08	3.18E-08	0.00E+00	6.81E-08
618	481054.4	3767916.6	3.5349E-07	1.4723E-07	0.00E+00	5.01E-07	3.50E-07	2.14E-07	0.00E+00	5.64E-07	6.42E-08	3.65E-08	0.00E+00	1.01E-07	3.59E-08	3.15E-08	0.00E+00	6.74E-08
619	481063.56	3767912.86	3.4972E-07	1.4566E-07	0.00E+00	4.95E-07	3.46E-07	2.12E-07	0.00E+00	5.58E-07	6.35E-08	3.61E-08	0.00E+00	9.96E-08	3.55E-08	3.12E-08	0.00E+00	6.66E-08
620	481072.73	3767909.13	3.4596E-07	1.4409E-07	0.00E+00	4.90E-07	3.42E-07	2.10E-07	0.00E+00	5.52E-07	6.29E-08	3.57E-08	0.00E+00	9.86E-08	3.51E-08	3.08E-08	0.00E+00	6.59E-08
621	481081.89	3767905.39	3.4226E-07	1.4255E-07	0.00E+00	4.85E-07	3.39E-07	2.07E-07	0.00E+00	5.46E-07	6.22E-08	3.53E-08	0.00E+00	9.75E-08	3.47E-08	3.05E-08	0.00E+00	6.52E-08
622	481091.06	3767901.65	3.3862E-07	1.4103E-07	0.00E+00	4.80E-07	3.35E-07	2.05E-07	0.00E+00	5.40E-07	6.15E-08	3.50E-08	0.00E+00	9.65E-08	3.43E-08	3.02E-08	0.00E+00	6.45E-08
623	481100.22	3767897.92	3.3519E-07	1.396E-07	0.00E+00	4.75E-07	3.32E-07	2.03E-07	0.00E+00	5.35E-07	6.09E-08	3.46E-08	0.00E+00	9.55E-08	3.40E-08	2.99E-08	0.00E+00	6.39E-08
624	481109.38	3767894.18	3.3183E-07	1.3821E-07	0.00E+00	4.70E-07	3.28E-07	2.01E-07	0.00E+00	5.29E-07	6.03E-08	3.43E-08	0.00E+00	9.45E-08	3.37E-08	2.96E-08	0.00E+00	6.32E-08
625	481118.55	3767890.45	3.2854E-07	1.3684E-07	0.00E+00	4.65E-07	3.25E-07	1.99E-07	0.00E+00	5.24E-07	5.97E-08	3.39E-08	0.00E+00	9.36E-08	3.33E-08	2.93E-08	0.00E+00	6.26E-08
626	481127.71	3767886.71	3.2524E-07	1.3546E-07	0.00E+00	4.61E-07	3.22E-07	1.97E-07	0.00E+00	5.19E-07	5.91E-08	3.36E-08	0.00E+00	9.27E-08	3.30E-08	2.90E-08	0.00E+00	6.20E-08
627	481155.2	3767875.51	3.1599E-07	1.3161E-07	0.00E+00	4.48E-07	3.13E-07	1.92E-07	0.00E+00	5.04E-07	5.74E-08	3.26E-08	0.00E+00	9.00E-08	3.21E-08	2.82E-08	0.00E+00	6.02E-08
628	481164.37	3767871.77	3.132E-07	1.3045E-07	0.00E+00	4.44E-07	3.10E-07	1.90E-07	0.00E+00	5.00E-07	5.69E-08	3.23E-08	0.00E+00	8.92E-08	3.18E-08	2.79E-08	0.00E+00	5.97E-08
629	481173.53	3767868.03	3.1055E-07	1.2934E-07	0.00E+00	4.40E-07	3.07E-07	1.88E-07	0.00E+00	4.96E-07	5.64E-08	3.21E-08	0.00E+00	8.85E-08	3.15E-08	2.77E-08	0.00E+00	5.92E-08
630	481182.7	3767864.3	0.000000308	1.2828E-07	0.00E+00	4.36E-07	3.05E-07	1.87E-07	0.00E+00	4.91E-07	5.60E-08	3.18E-08	0.00E+00	8.78E-08	3.12E-08	2.74E-08	0.00E+00	5.87E-08
631	481191.86	3767860.56	3.0552E-07	1.2725E-07	0.00E+00	4.33E-07	3.02E-07	1.85E-07	0.00E+00	4.87E-07	5.55E-08	3.15E-08	0.00E+00	8.70E-08	3.10E-08	2.72E-08	0.00E+00	5.82E-08
632	481201.02	3767856.83	3.032E-07	1.2628E-07	0.00E+00	4.29E-07	3.00E-07	1.84E-07	0.00E+00	4.84E-07	5.51E-08	3.13E-08	0.00E+00	8.64E-08	3.08E-08	2.70E-08	0.00E+00	5.78E-08
633	481210.19	3767853.09	3.0102E-07	1.2538E-07	0.00E+00	4.26E-07	2.98E-07	1.82E-07	0.00E+00	4.80E-07	5.47E-08	3.11E-08	0.00E+00	8.58E-08	3.05E-08	2.68E-08	0.00E+00	5.74E-08
634	481219.35	3767849.36	0.000000299	1.2453E-07	0.00E+00	4.24E-07	2.96E-07	1.81E-07	0.00E+00	4.77E-07	5.43E-08	3.09E-08	0.00E+00	8.52E-08	3.03E-08	2.66E-08	0.00E+00	5.70E-08
635	481228.52	3767845.62	2.9707E-07	1.2373E-07	0.00E+00	4.21E-07	2.94E-07	1.80E-07	0.00E+00	4.74E-07	5.40E-08	3.07E-08	0.00E+00	8.46E-08	3.01E-08	2.65E-08	0.00E+00	5.66E-08
636	481237.68	3767841.89	2.9529E-07	1.2299E-07	0.00E+00	4.18E-07	2.92E-07	1.79E-07	0.00E+00	4.71E-07	5.37E-08	3.05E-08	0.00E+00	8.41E-08	3.00E-08	2.63E-08	0.00E+00	5.63E-08
637	481246.84	3767838.15	2.9361E-07	1.2229E-07	0.00E+00	4.16E-07	2.91E-07	1.78E-07	0.00E+00	4.68E-07	5.33E-08	3.03E-08	0.00E+00	8.37E-08	2.98E-08	2.62E-08	0.00E+00	5.59E-08
638	481256.01	3767834.42	2.9208E-07	1.2165E-07	0.00E+00	4.14E-07	2.89E-07	1.77E-07	0.00E+00	4.66E-07	5.31E-08	3.01E-08	0.00E+00	8.32E-08	2.96E-08	2.60E-08	0.00E+00	5.57E-08
639	481265.17	3767830.68	2.9068E-07	1.2107E-07	0.00E+00	4.12E-07	2.88E-07	1.76E-07	0.00E+00	4.64E-07	5.28E-08	3.00E-08	0.00E+00	8.28E-08	2.95E-08	2.59E-08	0.00E+00	5.54E-08
640	481274.34	3767826.94	2.8943E-07	1.2055E-07	0.00E+00	4.10E-07	2.86E-07	1.75E-07	0.00E+00	4.62E-07	5.26E-08	2.99E-08	0.00E+00	8.25E-08	2.94E-08	2.58E-08	0.00E+00	5.51E-08
641	481283.5	3767823.21	2.8831E-07	1.2008E-07	0.00E+00	4.08E-07	2.85E-07	1.75E-07	0.00E+00	4.60E-07	5.24E-08	2.98E-08	0.00E+00	8.21E-08	2.92E-08	2.57E-08	0.00E+00	5.49E-08
642	481292.66	3767819.47	2.873E-07	1.1966E-07	0.00E+00	4.07E-07	2.84E-07	1.74E-07	0.00E+00	4.58E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.91E-08	2.56E-08	0.00E+00	5.47E-08
643	481301.83	3767815.74	2.864E-07	1.1929E-07	0.00E+00	4.06E-07	2.83E-07	1.74E-07	0.00E+00	4.57E-07	5.20E-08	2.96E-08	0.00E+00	8.16E-08	2.91E-08	2.55E-08	0.00E+00	5.46E-08
644	481310.99	3767812	2.856E-07	1.1895E-07	0.00E+00	4.05E-07	2.83E-07	1.73E-07	0.00E+00	4.56E-07	5.19E-08	2.95E-08	0.00E+00	8.14E-08	2.90E-08	2.54E-08	0.00E+00	5.44E-08
645	481320.16	3767808.27	2.8491E-07	1.1866E-07	0.00E+00	4.04E-07	2.82E-07	1.73E-07	0.00E+00	4.55E-07	5.18E-08	2.94E-08	0.00E+00	8.12E-08	2.89E-08	2.54E-08	0.00E+00	5.43E-08
646	481329.32	3767804.53	2.8432E-07	1.1842E-07	0.00E+00	4.03E-07	2.81E-07	1.72E-07	0.00E+00	4.54E-07	5.17E-08	2.93E-08	0.00E+00	8.10E-08	2.88E-08	2.53E-08	0.00E+00	5.42E-08
647	480867.83	3768088.83	6.6136E-07	2.7545E-07	0.00E+00	9.37E-07	6.54E-07	4.01E-07	0.00E+00	1.06E-06	1.20E-07	6.83E-08	0.00E+00	1.88E-07	6.71E-08	5.89E-08	0.00E+00	1.26E-07
648	480871.63	3768079.86	6.3344E-07	2.6382E-07	0.00E+00	8.97E-07	6.27E-07	3.84E-07	0.00E+00	1.01E-06	1.15E-07	6.54E-08	0.00E+00	1.80E-07	6.43E-08	5.64E-08	0.00E+00	1.21E-07
649	480875.44	3768070.88	6.0748E-07	2.5301E-07	0.00E+00	8.60E-07	6.01E-07	3.68E-07	0.00E+00	9.69E-07	1.10E-07	6.27E-08	0.00E+00	1.73E-07	6.16E-08	5.41E-08	0.00E+00	1.16E-07
650	480879.25	3768061.91	5.8337E-07	2.4297E-07	0.00E+00	8.26E-07	5.77E-07	3.54E-07	0.00E+00	9.31E-07	1.06E-07	6.02E-08	0.00E+00	1.66E-07	5.92E-08	5.20E-08	0.00E+00	1.11E-07
651	480883.05	3768052.94	0.000000561	2.3365E-07	0.00E+00	7.95E-07	5.55E-07	3.40E-07	0.00E+00	8.95E-07	1.02E-07	5.79E-08	0.00E+00	1.60E-07	5.69E-08	5.00E-08	0.00E+00	1.07E-07
652	480886.86	3768043.97	5.402E-07	2.2499E-07	0.00E+00	7.65E-07	5.35E-07	3.27E-07	0.00E+00	8.62E-07	9.82E-08	5.58E-08	0.00E+00	1.54E-07	5.48E-08	4.81E-08	0.00E+00	1.03E-07
653	480890.66	3768035	5.2074E-07	2.1688E-07	0.00E+00	7.38E-07	5.15E-07	3.16E-07	0.00E+00	8.31E-07	9.46E-08	5.37E-08	0.00E+00	1.48E-07	5.28E-08	4.64E-08	0.00E+00	9.92E-08
654	480894.47	3768026.03	5.0251E-07	2.0929E-07	0.00E+00	7.12E-07	4.97E-07	3.05E-07	0.00E+00	8.02E-07	9.13E-08	5.19E-08	0.00E+00	1.43E-07	5.10E-08	4.48E-08	0.00E+00	9.57E-08
655	480898.28	3768017.06	4.854E-07	2.0217E-07	0.00E+00	6.88E-07	4.80E-07	2.94E-07	0.00E+00	7.74E-07	8.82E-08	5.01E-08	0.00E+00	1.38E-07	4.92E-08	4.32E-08	0.00E+00	9.25E-08
656	480902.08	3768008.09	4.6931E-07	1.9547E-07	0.00E+00	6.65E-07	4.64E-07	2.84E-07	0.00E+00	7.49E-07	8.53E-08	4.84E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.94E-08
657	480905.89	3767999.12	4.5415E-07	1.8915E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.25E-07	8.25E-08	4.69E-08	0.00E+00	1.29E-07	4.61E-08	4.05E-08	0.00E+00	8.65E-08
658	480909.7	3767990.15	4.3982E-07	1.8318E-07	0.00E+00	6.23E-07	4.35E-07	2.67E-07	0.00E+00	7.02E-07	7.99E-08	4.54E-08	0.00E+00	1.25E-07	4.46E-08	3.92E-08	0.00E+00	8.38E-08
659	480913.5	3767981.18	4.2618E-07	1.775E-07	0.00E+00	6.04E-07	4.22E-07	2.58E-07	0.00E+00	6.80E-07	7.74E-08	4.40E-08	0.00E+00	1.21E-07	4.32E-08	3.80E-08	0.00E+00	8.12E-08
660	480917.31	3767972.21	4.1325E-07	1.7212E-07	0.00E+00	5.85E-07	4.09E-07	2.50E-07	0.00E+00	6.59E-07	7.51E-08	4.27E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.87E-08
661	480921.11	3767963.24	4.0095E-07	1.6699E-07	0.00E+00	5.68E-07	3.97E-07	2.43E-07	0.00E+00	6.40E-07	7.29E-08	4.14E-08	0.00E+00	1.14E-07	4.07E-08	3.57E-08	0.00E+00	7.64E-08
662	480924.92	3767954.27	3.8925E-07	1.6212E-07	0.00E+00	5.51E-07	3.85E-07	2.36E-07	0.00E+00	6.21E-07	7.07E-08	4.02E-08	0.00E+00	1.11E-07	3.95E-08	3.47E-08	0.00E+00	7.42E-08
663	480950.58	3767928.97	3.6046E-07	1.5013E-07	0.00E+00	5.11E-07	3.57E-07	2.18E-07	0.00E+00	5.75E-07	6.55E-08	3.72E-08	0.00E+00	1.03E-07	3.66E-08	3.21E-08	0.00E+00	6.87E-08
664	480959.61	3767925.29	3.5706E-07	1.4871E-07	0.00E+00	5.06E-07	3.53E-07	2.16E-07	0.00E+00	5.70E-07	6.49E-08	3.69E-08	0.00E+00	1.02E-07	3.62E-08	3.18E-08	0.00E+00	6.80E-08
665	480968.63	3767921.61	3.5366E-07	1.473E-07	0.00E+00	5.01E-07	3.50E-07	2.14E-07	0.00E+00	5.64E-07	6.43E-08	3.65E-08	0.00E+00	1.01E-07	3.59E-08	3.15E-08	0.00E+00	6.74E-08
666	480977.65	3767917.93	3.5015E-07	1.4584E-07	0.00E+00	4.96E-07	3.46E-07	2.12E-07	0.00E+00	5.59E-07	6.36E-08	3.61E-08	0.00E+00	9.98E-08	3.55E-08	3.12E-08	0.00E+00	6.67E-08
667	480986.68	3767914.25	3.4663E-07	1.4437E-07	0.00E+00	4.91E-07	3.43E-07	2.10E-07	0.00E+00	5.53E-07	6.30E-08	3.58E-08	0.00E+00	9.88E-08	3.52E-08	3.09E-08	0.00E+00	6.60E-08
668	480995.7	3767910.58	3.4314E-07	1.4292E-07	0.00E+00	4.86E-07	3.40E-07	2.08E-07	0.00E+00	5.48E-07	6.23E-08	3.54E-08	0.00E+00	9.78E-08	3.48E-08	3.06E-08	0.00E+00	6.54E-08
669	481004.72	3767906.9	3.3971E-07	1.4149E-07	0.00E+00	4.81E-07	3.36E-07	2.06E-07	0.00E+00	5.42E-07	6.17E-08	3.51E-08	0.00E+00	9.68E-08	3.45E-08	3.03E-08	0.00E+00	6.47E-08
670	481013.75	3767903.22	3.3637E-07	1.401E-07	0.00E+00	4.76E-07	3.33E-07	2.04E-07	0.00E+00	5.37E-07	6.11E-08	3.47E-08	0.00E+00	9.58E-08	3.41E-08	3.00E-08	0.00E+00	6.41E-08
671	481022.77	3767899.54	3.3308E-07	1.3873E-07	0.00E+00	4.72E-07	3.30E-07	2.02E-07	0.00E+00	5.31E-07	6.05E-08	3.44E-08	0.00E+00	9.49E-08	3.38E-08	2.97E-08	0.00E+00	6.35E-08
672	481031.8	3767895.86	3.298E-07	1.3736E-07	0.00E+00	4.67E-07	3.26E-07	2.00E-07	0.00E+00	5.26E-07	5.99E-08	3.40E-08	0.00E+00	9.40E-08	3.35E-08	2.94E-08	0.00E+00	6.28E-08
673	481040.82	3767892.18	3.2645E-07	1.3596E-07	0.00E+00	4.62E-07	3.23E-07	1.98E-07	0.00E+00	5.21E-07	5.93E-08	3.37E-08	0.00E+00	9.30E-08	3.31E-08	2.91E-08	0.00E+00	6.22E-08
674	481049.84	3767888.5	3.2316E-07	1.3459E-07	0.00E+00	4.58E-07	3.20E-07	1.96E-07	0.00E+00	5.16E-07	5.87E-08	3.34E-08	0.00E+00	9.21E-08	3.28E-08	2.88E-08	0.00E+00	6.16E-08
675	481058.87	3767884.83	3.1995E-07	1.3326E-07	0.00E+00	4.53E-07	3.17E-07	1.94E-07	0.00E+00	5.11E-07	5.81E-08	3.30E-08	0.00E+00	9.12E-08	3.25E-08	2.85E-08	0.00E+00	6.10E-08
676	481067.89	3767881.15	3.1675E-07	1.3192E-07	0.00E+00	4.49E-07	3.13E-07	1.92E-07	0.00E+00	5.05E-07	5.76E-08	3.27E-08	0.00E+00	9.02E-08	3.21E-08	2.82E-08	0.00E+00	6.03E-08
677	481076.92	3767877.47	3.1359E-07	1.3061E-07	0.00E+00	4.44E-07	3.10E-07	1.90E-07	0.00E+00	5.00E-07	5.70E-08	3.24E-08	0.00E+00	8.93E-08	3.18E-08	2.79E-08	0.00E+00	5.97E-08
678	481085.94	3767873.79	3.105E-07	1.2932E-07	0.00E+00	4.40E-07	3.07E-07	1.88E-07	0.00E+00	4.95E-07	5.64E-08	3.20E-08	0.00E+00	8.85E-08	3.15E-08	2.77E-08	0.00E+00	5.92E-08
679	481094.96	3767870.11	3.0747E-07	1.2806E-07	0.00E+00	4.36E-07	3.04E-07	1.86E-07	0.00E+00	4.91E-07	5.59E-08	3.17E-08	0.00E+00	8.76E-08	3.12E-08	2.74E-08	0.00E+00	5.86E-08
680	481103.99	3767866.43	3.045E-07	1.2682E-07	0.00E+00	4.31E-07	3.01E-07	1.85E-07	0.00E+00	4.86E-07	5.53E-08	3.14E-08	0.00E+00	8.68E-08	3.09E-08	2.71E-08	0.00E+00	5.80E-08
681	481113.01	3767862.76	3.0161E-07	1.2562E-07	0.00E+00	4.27E-07	2.98E-07	1.83E-07	0.00E+00	4.81E-07	5.48E-08	3.11E-08	0.00E+00	8.59E-08	3.06E-08	2.69E-08	0.00E+00	5.75E-08
682	481122.04	3767859.08	2.9882E-07	1.2446E-07	0.00E+00	4.23E-07	2.96E-07	1.81E-07	0.00E+00	4.77E-07	5.43E-08	3.08E-08	0.00E+00	8.51E-08	3.03E-08	2.66E-08	0.00E+00	5.69E-08
683	481149.11	3767848.04	2.9093E-07	1.2117E-07	0.00E+00	4.12E-07	2.88E-07	1.76E-07	0.00E+00	4.64E-07	5.29E-08	3.00E-08	0.00E+00	8.29E-08	2.95E-08	2.59E-08	0.00E+00	5.54E-08
684	481158.13	3767844.36	2.8852E-07	1.2017E-07	0.00E+00	4.09E-07	2.86E-07	1.75E-07	0.00E+00	4.60E-07	5.24E-08	2.98E-08	0.00E+00	8.22E-08	2.93E-08	2.57E-08	0.00E+00	5.50E-08
685	481167.15	3767840.69	2.862E-07	1.192E-07	0.00E+00	4.05E-07	2.83E-07	1.73E-07	0.00E+00	4.57E-07	5.20E-08	2.95E-08	0.00E+00	8.15E-08	2.90E-08	2.55E-08	0.00E+00	5.45E-08
686	481176.18	3767837.01	2.8396E-07	1.1827E-07	0.00E+00	4.02E-07	2.81E-07	1.72E-07	0.00E+00	4.53E-07	5.16E-08	2.93E-08	0.00E+00	8.09E-08	2.88E-08	2.53E-08	0.00E+00	5.41E-08
687	481185.2	3767833.33	2.8188E-07	1.174E-07	0.00E+00	3.99E-07	2.79E-07	1.71E-07	0.00E+00	4.50E-07	5.12E-08	2.91E-08	0.00E+00	8.03E-08	2.86E-08	2.51E-08	0.00E+00	5.37E-08
688	481194.23	3767829.65	2.7991E-07	1.1658E-07	0.00E+00	3.96E-07	2.77E-07	1.70E-07	0.00E+00	4.47E-07	5.09E-08	2.89E-08	0.00E+00	7.98E-08	2.84E-08	2.49E-08	0.00E+00	5.33E-08
689	481203.25	3767825.97	2.7804E-07	1.158E-07	0.00E+00	3.94E-07	2.75E-07	1.68E-07	0.00E+00	4.44E-07	5.05E-08	2.87E-08	0.00E+00	7.92E-08	2.82E-08	2.48E-08	0.00E+00	5.30E-08
690	481212.27	3767822.29	2.7627E-07	1.1507E-07	0.00E+00	3.91E-07	2.73E-07	1.67E-07	0.00E+00	4.41E-07	5.02E-08	2.85E-08	0.00E+00	7.87E-08	2.80E-08	2.46E-08	0.00E+00	5.26E-08
691	481221.3	3767818.61	2.7461E-07	1.1438E-07	0.00E+00	3.89E-07	2.72E-07	1.66E-07	0.00E+00	4.38E-07	4.99E-08	2.83E-08	0.00E+00	7.82E-08	2.79E-08	2.45E-08	0.00E+00	5.23E-08
692	481230.32	3767814.94	2.7308E-07	1.1374E-07	0.00E+00	3.87E-07	2.70E-07	1.65E-07	0.00E+00	4.36E-07	4.96E-08	2.82E-08	0.00E+00	7.78E-08	2.77E-08	2.43E-08	0.00E+00	5.20E-08
693	481239.35	3767811.26	2.7166E-07	1.1315E-07	0.00E+00	3.85E-07	2.69E-07	1.65E-07	0.00E+00	4.33E-07	4.94E-08	2.80E-08	0.00E+00	7.74E-08	2.76E-08	2.42E-08	0.00E+00	5.18E-08
694	481248.37	3767807.58	2.7033E-07	1.1259E-07	0.00E+00	3.83E-07	2.68E-07	1.64E-07	0.00E+00	4.31E-07	4.91E-08	2.79E-08	0.00E+00	7.70E-08	2.74E-08	2.41E-08	0.00E+00	5.15E-08
695	481257.39	3767803.9	2.6909E-07	1.1208E-07	0.00E+00	3.81E-07	2.66E-07	1.63E-07	0.00E+00	4.29E-07	4.89E-08	2.78E-08	0.00E+00	7.67E-08	2.73E-08	2.40E-08	0.00E+00	5.13E-08
696	481266.42	3767800.22	2.6796E-07	1.116E-07	0.00E+00	3.80E-07	2.65E-07	1.62E-07	0.00E+00	4.28E-07	4.87E-08	2.77E-08	0.00E+00	7.63E-08	2.72E-08	2.39E-08	0.00E+00	5.11E-08
697	481275.44	3767796.54	2.6694E-07	1.1118E-07	0.00E+00	3.78E-07	2.64E-07	1.62E-07	0.00E+00	4.26E-07	4.85E-08	2.76E-08	0.00E+00	7.61E-08	2.71E-08	2.38E-08	0.00E+00	5.09E-08
698	481284.47	3767792.87	2.6603E-07	1.108E-07	0.00E+00	3.77E-07	2.63E-07	1.61E-07	0.00E+00	4.24E-07	4.83E-08	2.75E-08	0.00E+00	7.58E-08	2.70E-08	2.37E-08	0.00E+00	5.07E-08
699	481293.49	3767789.19	2.6522E-07	1.1046E-07	0.00E+00	3.76E-07	2.62E-07	1.61E-07	0.00E+00	4.23E-07	4.82E-08	2.74E-08	0.00E+00	7.56E-08	2.69E-08	2.36E-08	0.00E+00	5.05E-08
700	481302.51	3767785.51	2.645E-07	1.1016E-07	0.00E+00	3.75E-07	2.62E-07	1.60E-07	0.00E+00	4.22E-07	4.81E-08	2.73E-08	0.00E+00	7.54E-08	2.68E-08	2.36E-08	0.00E+00	5.04E-08
701	481311.54	3767781.83	2.6387E-07	1.099E-07	0.00E+00	3.74E-07	2.61E-07	1.60E-07	0.00E+00	4.21E-07	4.79E-08	2.72E-08	0.00E+00	7.52E-08	2.68E-08	2.35E-08	0.00E+00	5.03E-08
702	481320.56	3767778.15	2.6332E-07	1.0967E-07	0.00E+00	3.73E-07	2.61E-07	1.60E-07	0.00E+00	4.20E-07	4.78E-08	2.72E-08	0.00E+00	7.50E-08	2.67E-08	2.35E-08	0.00E+00	5.02E-08
703	481329.58	3767774.47	2.6285E-07	1.0948E-07	0.00E+00	3.72E-07	2.60E-07	1.59E-07	0.00E+00	4.19E-07	4.78E-08	2.71E-08	0.00E+00	7.49E-08	2.67E-08	2.34E-08	0.00E+00	5.01E-08
704	480834.78	3768095.7	6.7582E-07	2.8147E-07	0.00E+00	9.57E-07	6.69E-07	4.10E-07	0.00E+00	1.08E-06	1.23E-07	6.98E-08	0.00E+00	1.93E-07	6.86E-08	6.02E-08	0.00E+00	1.29E-07
705	480838.62	3768086.67	6.4678E-07	2.6938E-07	0.00E+00	9.16E-07	6.40E-07	3.92E-07	0.00E+00	1.03E-06	1.18E-07	6.68E-08	0.00E+00	1.84E-07	6.56E-08	5.76E-08	0.00E+00	1.23E-07
706	480842.45	3768077.63	6.1979E-07	2.5814E-07	0.00E+00	8.78E-07	6.13E-07	3.76E-07	0.00E+00	9.89E-07	1.13E-07	6.40E-08	0.00E+00	1.77E-07	6.29E-08	5.52E-08	0.00E+00	1.18E-07
707	480846.29	3768068.59	5.9471E-07	2.477E-07	0.00E+00	8.42E-07	5.88E-07	3.60E-07	0.00E+00	9.49E-07	1.08E-07	6.14E-08	0.00E+00	1.69E-07	6.03E-08	5.30E-08	0.00E+00	1.13E-07
708	480850.12	3768059.55	5.7131E-07	2.3795E-07	0.00E+00	8.09E-07	5.65E-07	3.46E-07	0.00E+00	9.12E-07	1.04E-07

736	481047.83	3767859.38	0.000000296	1.2328E-07	0.00E+00	4.19E-07	2.93E-07	1.79E-07	0.00E+00	4.72E-07	5.38E-08	3.06E-08	0.00E+00	8.43E-08	3.00E-08	2.64E-08	0.00E+00	5.64E-08
737	481056.92	3767855.67	2.9317E-07	1.2211E-07	0.00E+00	4.15E-07	2.90E-07	1.78E-07	0.00E+00	4.68E-07	5.33E-08	3.03E-08	0.00E+00	8.35E-08	2.97E-08	2.61E-08	0.00E+00	5.59E-08
738	481066.01	3767851.97	2.9034E-07	1.2092E-07	0.00E+00	4.11E-07	2.87E-07	1.76E-07	0.00E+00	4.63E-07	5.28E-08	3.00E-08	0.00E+00	8.27E-08	2.95E-08	2.59E-08	0.00E+00	5.53E-08
739	481075.1	3767848.26	2.8752E-07	1.1975E-07	0.00E+00	4.07E-07	2.85E-07	1.74E-07	0.00E+00	4.59E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.92E-08	2.56E-08	0.00E+00	5.48E-08
740	481084.19	3767844.55	2.8476E-07	1.186E-07	0.00E+00	4.03E-07	2.82E-07	1.73E-07	0.00E+00	4.54E-07	5.17E-08	2.94E-08	0.00E+00	8.11E-08	2.89E-08	2.54E-08	0.00E+00	5.43E-08
741	481093.29	3767840.85	2.821E-07	1.1749E-07	0.00E+00	4.00E-07	2.79E-07	1.71E-07	0.00E+00	4.50E-07	5.13E-08	2.91E-08	0.00E+00	8.04E-08	2.86E-08	2.51E-08	0.00E+00	5.37E-08
742	481102.38	3767837.14	2.7955E-07	1.1643E-07	0.00E+00	3.96E-07	2.77E-07	1.69E-07	0.00E+00	4.46E-07	5.08E-08	2.89E-08	0.00E+00	7.96E-08	2.84E-08	2.49E-08	0.00E+00	5.33E-08
743	481111.47	3767833.44	2.771E-07	1.1541E-07	0.00E+00	3.93E-07	2.74E-07	1.68E-07	0.00E+00	4.42E-07	5.03E-08	2.86E-08	0.00E+00	7.90E-08	2.81E-08	2.47E-08	0.00E+00	5.28E-08
744	481120.56	3767829.73	2.7471E-07	1.1442E-07	0.00E+00	3.89E-07	2.72E-07	1.66E-07	0.00E+00	4.38E-07	4.99E-08	2.84E-08	0.00E+00	7.83E-08	2.79E-08	2.45E-08	0.00E+00	5.23E-08
745	481156.92	3767814.91	2.6578E-07	1.1069E-07	0.00E+00	3.76E-07	2.63E-07	1.61E-07	0.00E+00	4.24E-07	4.83E-08	2.74E-08	0.00E+00	7.57E-08	2.70E-08	2.37E-08	0.00E+00	5.06E-08
746	481166.01	3767811.2	2.6377E-07	1.0986E-07	0.00E+00	3.74E-07	2.61E-07	1.60E-07	0.00E+00	4.21E-07	4.79E-08	2.72E-08	0.00E+00	7.52E-08	2.68E-08	2.35E-08	0.00E+00	5.03E-08
747	481175.1	3767807.5	2.6186E-07	1.0906E-07	0.00E+00	3.71E-07	2.59E-07	1.59E-07	0.00E+00	4.18E-07	4.76E-08	2.70E-08	0.00E+00	7.46E-08	2.66E-08	2.33E-08	0.00E+00	4.99E-08
748	481184.19	3767803.79	2.6005E-07	1.0831E-07	0.00E+00	3.68E-07	2.57E-07	1.58E-07	0.00E+00	4.15E-07	4.73E-08	2.68E-08	0.00E+00	7.41E-08	2.64E-08	2.32E-08	0.00E+00	4.95E-08
749	481193.28	3767800.09	2.5834E-07	1.076E-07	0.00E+00	3.66E-07	2.56E-07	1.57E-07	0.00E+00	4.12E-07	4.69E-08	2.67E-08	0.00E+00	7.36E-08	2.62E-08	2.30E-08	0.00E+00	4.92E-08
750	481202.37	3767796.38	2.5672E-07	1.0692E-07	0.00E+00	3.64E-07	2.54E-07	1.56E-07	0.00E+00	4.10E-07	4.66E-08	2.65E-08	0.00E+00	7.31E-08	2.60E-08	2.29E-08	0.00E+00	4.89E-08
751	481211.46	3767792.67	2.5521E-07	1.063E-07	0.00E+00	3.62E-07	2.53E-07	1.55E-07	0.00E+00	4.07E-07	4.64E-08	2.63E-08	0.00E+00	7.27E-08	2.59E-08	2.27E-08	0.00E+00	4.86E-08
752	481220.55	3767788.97	2.5382E-07	1.0571E-07	0.00E+00	3.60E-07	2.51E-07	1.54E-07	0.00E+00	4.05E-07	4.61E-08	2.62E-08	0.00E+00	7.23E-08	2.57E-08	2.26E-08	0.00E+00	4.84E-08
753	481229.65	3767785.26	2.525E-07	1.0517E-07	0.00E+00	3.58E-07	2.50E-07	1.53E-07	0.00E+00	4.03E-07	4.59E-08	2.61E-08	0.00E+00	7.19E-08	2.56E-08	2.25E-08	0.00E+00	4.81E-08
754	481238.74	3767781.56	2.5128E-07	1.0466E-07	0.00E+00	3.56E-07	2.49E-07	1.52E-07	0.00E+00	4.01E-07	4.57E-08	2.59E-08	0.00E+00	7.16E-08	2.55E-08	2.24E-08	0.00E+00	4.79E-08
755	481247.83	3767777.85	2.5014E-07	1.0418E-07	0.00E+00	3.54E-07	2.48E-07	1.52E-07	0.00E+00	3.99E-07	4.55E-08	2.58E-08	0.00E+00	7.13E-08	2.54E-08	2.23E-08	0.00E+00	4.77E-08
756	481256.92	3767774.15	2.4911E-07	1.0375E-07	0.00E+00	3.53E-07	2.47E-07	1.51E-07	0.00E+00	3.97E-07	4.53E-08	2.57E-08	0.00E+00	7.10E-08	2.53E-08	2.22E-08	0.00E+00	4.75E-08
757	481266.01	3767770.44	2.4817E-07	1.0336E-07	0.00E+00	3.52E-07	2.46E-07	1.50E-07	0.00E+00	3.96E-07	4.51E-08	2.56E-08	0.00E+00	7.07E-08	2.52E-08	2.21E-08	0.00E+00	4.73E-08
758	481275.1	3767766.74	2.4733E-07	1.0301E-07	0.00E+00	3.50E-07	2.45E-07	1.50E-07	0.00E+00	3.95E-07	4.49E-08	2.55E-08	0.00E+00	7.05E-08	2.51E-08	2.20E-08	0.00E+00	4.71E-08
759	481284.19	3767763.03	2.4657E-07	1.0269E-07	0.00E+00	3.49E-07	2.44E-07	1.49E-07	0.00E+00	3.93E-07	4.48E-08	2.54E-08	0.00E+00	7.03E-08	2.50E-08	2.20E-08	0.00E+00	4.70E-08
760	481293.28	3767759.32	2.4588E-07	1.0241E-07	0.00E+00	3.48E-07	2.43E-07	1.49E-07	0.00E+00	3.92E-07	4.47E-08	2.54E-08	0.00E+00	7.01E-08	2.49E-08	2.19E-08	0.00E+00	4.68E-08
761	481302.37	3767755.62	2.4528E-07	1.0216E-07	0.00E+00	3.47E-07	2.43E-07	1.49E-07	0.00E+00	3.91E-07	4.46E-08	2.53E-08	0.00E+00	6.99E-08	2.49E-08	2.19E-08	0.00E+00	4.67E-08
762	481311.46	3767751.91	2.4475E-07	1.0194E-07	0.00E+00	3.47E-07	2.42E-07	1.48E-07	0.00E+00	3.91E-07	4.45E-08	2.53E-08	0.00E+00	6.97E-08	2.48E-08	2.18E-08	0.00E+00	4.66E-08
763	481320.55	3767748.21	2.4429E-07	1.0175E-07	0.00E+00	3.46E-07	2.42E-07	1.48E-07	0.00E+00	3.90E-07	4.44E-08	2.52E-08	0.00E+00	6.96E-08	2.48E-08	2.18E-08	0.00E+00	4.65E-08
764	481329.64	3767744.5	2.439E-07	1.0158E-07	0.00E+00	3.45E-07	2.41E-07	1.48E-07	0.00E+00	3.89E-07	4.43E-08	2.52E-08	0.00E+00	6.95E-08	2.47E-08	2.17E-08	0.00E+00	4.65E-08
765	481335.45	3768228.72	2.2893E-06	9.5348E-07	0.00E+00	3.24E-06	2.27E-06	1.39E-06	0.00E+00	3.65E-06	4.16E-07	2.36E-07	0.00E+00	6.52E-07	2.32E-07	2.04E-07	0.00E+00	4.36E-07
766	481210.67	3768218.75	1.8534E-06	7.7193E-07	0.00E+00	2.63E-06	1.83E-06	1.12E-06	0.00E+00	2.96E-06	3.37E-07	1.91E-07	0.00E+00	5.28E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07
767	481191.49	3768199.05	1.5297E-06	6.3709E-07	0.00E+00	2.17E-06	1.51E-06	9.27E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
768	481181.9	3768189.2	1.4015E-06	5.8372E-07	0.00E+00	1.99E-06	1.39E-06	8.49E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
769	481162.73	3768169.51	0.000001195	4.9771E-07	0.00E+00	1.69E-06	1.18E-06	7.24E-07	0.00E+00	1.91E-06	2.17E-07	1.23E-07	0.00E+00	3.40E-07	1.21E-07	1.06E-07	0.00E+00	2.28E-07
770	481143.59	3768109.97	8.1079E-07	3.3769E-07	0.00E+00	1.15E-06	8.02E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.22E-08	7.22E-08	0.00E+00	1.54E-07
771	481210.81	3768080.04	7.1026E-07	2.9582E-07	0.00E+00	1.01E-06	7.03E-07	4.30E-07	0.00E+00	1.13E-06	1.29E-07	7.33E-08	0.00E+00	2.02E-07	7.20E-08	6.33E-08	0.00E+00	1.35E-07
772	481201.21	3768080.03	7.0706E-07	2.9449E-07	0.00E+00	1.00E-06	7.00E-07	4.29E-07	0.00E+00	1.13E-06	1.28E-07	7.30E-08	0.00E+00	2.01E-07	7.17E-08	6.30E-08	0.00E+00	1.35E-07
773	481191.62	3768080.02	7.0402E-07	2.9322E-07	0.00E+00	9.97E-07	6.97E-07	4.27E-07	0.00E+00	1.12E-06	1.28E-07	7.27E-08	0.00E+00	2.01E-07	7.14E-08	6.27E-08	0.00E+00	1.34E-07
774	481287.64	3768050.12	6.4601E-07	2.6906E-07	0.00E+00	9.15E-07	6.39E-07	3.92E-07	0.00E+00	1.03E-06	1.17E-07	6.67E-08	0.00E+00	1.84E-07	6.55E-08	5.76E-08	0.00E+00	1.23E-07
775	481278.04	3768050.11	6.4064E-07	2.6682E-07	0.00E+00	9.07E-07	6.34E-07	3.88E-07	0.00E+00	1.02E-06	1.16E-07	6.61E-08	0.00E+00	1.83E-07	6.50E-08	5.71E-08	0.00E+00	1.22E-07
776	481268.44	3768050.1	6.3572E-07	2.6477E-07	0.00E+00	9.00E-07	6.29E-07	3.85E-07	0.00E+00	1.01E-06	1.16E-07	6.56E-08	0.00E+00	1.81E-07	6.45E-08	5.66E-08	0.00E+00	1.21E-07
777	481220.44	3768050.05	6.1686E-07	2.5692E-07	0.00E+00	8.74E-07	6.10E-07	3.74E-07	0.00E+00	9.84E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
778	481210.84	3768050.04	6.1397E-07	2.5572E-07	0.00E+00	8.70E-07	6.08E-07	3.72E-07	0.00E+00	9.80E-07	1.12E-07	6.34E-08	0.00E+00	1.75E-07	6.23E-08	5.47E-08	0.00E+00	1.17E-07
779	481201.25	3768050.03	6.1153E-07	2.547E-07	0.00E+00	8.66E-07	6.05E-07	3.71E-07	0.00E+00	9.76E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.45E-08	0.00E+00	1.17E-07
780	481191.65	3768050.02	6.093E-07	2.5377E-07	0.00E+00	8.63E-07	6.03E-07	3.69E-07	0.00E+00	9.72E-07	1.11E-07	6.29E-08	0.00E+00	1.74E-07	6.18E-08	5.43E-08	0.00E+00	1.16E-07
781	481335.66	3768020.17	5.9459E-07	2.4765E-07	0.00E+00	8.42E-07	5.88E-07	3.60E-07	0.00E+00	9.49E-07	1.08E-07	6.14E-08	0.00E+00	1.69E-07	6.03E-08	5.30E-08	0.00E+00	1.13E-07
782	481287.67	3768020.12	5.652E-07	2.354E-07	0.00E+00	8.01E-07	5.59E-07	3.43E-07	0.00E+00	9.02E-07	1.03E-07	5.83E-08	0.00E+00	1.61E-07	5.73E-08	5.04E-08	0.00E+00	1.08E-07
783	481278.07	3768020.11	5.6065E-07	2.3351E-07	0.00E+00	7.94E-07	5.55E-07	3.40E-07	0.00E+00	8.95E-07	1.02E-07	5.79E-08	0.00E+00	1.60E-07	5.69E-08	5.00E-08	0.00E+00	1.07E-07
784	481268.47	3768020.1	5.5648E-07	2.3177E-07	0.00E+00	7.88E-07	5.51E-07	3.37E-07	0.00E+00	8.88E-07	1.01E-07	5.74E-08	0.00E+00	1.59E-07	5.64E-08	4.96E-08	0.00E+00	1.06E-07
785	481210.88	3768020.04	5.3791E-07	2.2404E-07	0.00E+00	7.62E-07	5.32E-07	3.26E-07	0.00E+00	8.58E-07	9.77E-08	5.55E-08	0.00E+00	1.53E-07	5.46E-08	4.79E-08	0.00E+00	1.02E-07
786	481201.28	3768020.03	5.3565E-07	2.231E-07	0.00E+00	7.59E-07	5.30E-07	3.25E-07	0.00E+00	8.55E-07	9.73E-08	5.53E-08	0.00E+00	1.53E-07	5.43E-08	4.77E-08	0.00E+00	1.02E-07
787	481191.68	3768020.02	5.3354E-07	2.2222E-07	0.00E+00	7.56E-07	5.28E-07	3.23E-07	0.00E+00	8.51E-07	9.69E-08	5.51E-08	0.00E+00	1.52E-07	5.41E-08	4.75E-08	0.00E+00	1.02E-07
788	481143.68	3768019.97	5.2563E-07	2.1892E-07	0.00E+00	7.45E-07	5.20E-07	3.19E-07	0.00E+00	8.39E-07	9.55E-08	5.43E-08	0.00E+00	1.50E-07	5.33E-08	4.68E-08	0.00E+00	1.00E-07
789	481287.7	3767990.12	4.9976E-07	2.0815E-07	0.00E+00	7.08E-07	4.95E-07	3.03E-07	0.00E+00	7.97E-07	9.08E-08	5.16E-08	0.00E+00	1.42E-07	5.07E-08	4.45E-08	0.00E+00	9.52E-08
790	481278.1	3767990.11	4.9583E-07	2.0651E-07	0.00E+00	7.02E-07	4.91E-07	3.00E-07	0.00E+00	7.91E-07	9.01E-08	5.12E-08	0.00E+00	1.41E-07	5.03E-08	4.42E-08	0.00E+00	9.45E-08
791	481268.5	3767990.1	4.9224E-07	2.0502E-07	0.00E+00	6.97E-07	4.87E-07	2.98E-07	0.00E+00	7.85E-07	8.94E-08	5.08E-08	0.00E+00	1.40E-07	4.99E-08	4.39E-08	0.00E+00	9.38E-08
792	481210.91	3767990.04	4.755E-07	1.9804E-07	0.00E+00	6.74E-07	4.71E-07	2.88E-07	0.00E+00	7.59E-07	8.64E-08	4.91E-08	0.00E+00	1.35E-07	4.82E-08	4.24E-08	0.00E+00	9.06E-08
793	481201.31	3767990.03	4.7369E-07	1.9729E-07	0.00E+00	6.71E-07	4.69E-07	2.87E-07	0.00E+00	7.56E-07	8.61E-08	4.89E-08	0.00E+00	1.35E-07	4.81E-08	4.22E-08	0.00E+00	9.03E-08
794	481191.71	3767990.02	4.7208E-07	1.9662E-07	0.00E+00	6.69E-07	4.67E-07	2.86E-07	0.00E+00	7.53E-07	8.58E-08	4.87E-08	0.00E+00	1.35E-07	4.79E-08	4.21E-08	0.00E+00	8.99E-08
795	481287.73	3767960.12	4.4592E-07	1.8572E-07	0.00E+00	6.32E-07	4.41E-07	2.70E-07	0.00E+00	7.11E-07	8.10E-08	4.60E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.50E-08
796	481278.13	3767960.11	4.4251E-07	1.843E-07	0.00E+00	6.27E-07	4.38E-07	2.68E-07	0.00E+00	7.06E-07	8.04E-08	4.57E-08	0.00E+00	1.26E-07	4.49E-08	3.94E-08	0.00E+00	8.43E-08
797	481268.53	3767960.1	4.3936E-07	1.8299E-07	0.00E+00	6.22E-07	4.35E-07	2.66E-07	0.00E+00	7.01E-07	7.98E-08	4.53E-08	0.00E+00	1.25E-07	4.46E-08	3.91E-08	0.00E+00	8.37E-08
798	481220.54	3767960.05	4.2706E-07	1.7787E-07	0.00E+00	6.05E-07	4.23E-07	2.59E-07	0.00E+00	6.81E-07	7.76E-08	4.41E-08	0.00E+00	1.22E-07	4.33E-08	3.80E-08	0.00E+00	8.14E-08
799	481210.94	3767960.04	4.2514E-07	1.7707E-07	0.00E+00	6.02E-07	4.21E-07	2.58E-07	0.00E+00	6.78E-07	7.72E-08	4.39E-08	0.00E+00	1.21E-07	4.31E-08	3.79E-08	0.00E+00	8.10E-08
800	481201.34	3767960.03	4.2343E-07	1.7636E-07	0.00E+00	6.00E-07	4.19E-07	2.57E-07	0.00E+00	6.76E-07	7.69E-08	4.37E-08	0.00E+00	1.21E-07	4.30E-08	3.77E-08	0.00E+00	8.07E-08
801	481191.74	3767960.02	4.2184E-07	1.757E-07	0.00E+00	5.98E-07	4.17E-07	2.56E-07	0.00E+00	6.73E-07	7.66E-08	4.35E-08	0.00E+00	1.20E-07	4.28E-08	3.76E-08	0.00E+00	8.04E-08
802	481191.77	3767930.02	3.8009E-07	1.5831E-07	0.00E+00	5.38E-07	3.76E-07	2.30E-07	0.00E+00	6.06E-07	6.91E-08	3.92E-08	0.00E+00	1.08E-07	3.86E-08	3.39E-08	0.00E+00	7.24E-08
803	481287.79	3767900.12	3.6325E-07	1.5129E-07	0.00E+00	5.15E-07	3.59E-07	2.20E-07	0.00E+00	5.80E-07	6.60E-08	3.75E-08	0.00E+00	1.03E-07	3.68E-08	3.24E-08	0.00E+00	6.92E-08
804	481278.19	3767900.11	3.6067E-07	1.5022E-07	0.00E+00	5.11E-07	3.57E-07	2.19E-07	0.00E+00	5.75E-07	6.55E-08	3.72E-08	0.00E+00	1.03E-07	3.66E-08	3.21E-08	0.00E+00	6.87E-08
805	481268.59	3767900.1	3.5827E-07	1.4922E-07	0.00E+00	5.07E-07	3.55E-07	2.17E-07	0.00E+00	5.72E-07	6.51E-08	3.70E-08	0.00E+00	1.02E-07	3.63E-08	3.19E-08	0.00E+00	6.83E-08
806	481211	3767900.04	3.473E-07	1.4465E-07	0.00E+00	4.92E-07	3.44E-07	2.10E-07	0.00E+00	5.54E-07	6.31E-08	3.58E-08	0.00E+00	9.90E-08	3.52E-08	3.09E-08	0.00E+00	6.62E-08
807	481201.4	3767900.03	3.4593E-07	1.4408E-07	0.00E+00	4.90E-07	3.42E-07	2.10E-07	0.00E+00	5.52E-07	6.29E-08	3.57E-08	0.00E+00	9.86E-08	3.51E-08	3.08E-08	0.00E+00	6.59E-08
808	481191.8	3767900.02	3.4467E-07	1.4355E-07	0.00E+00	4.88E-07	3.41E-07	2.09E-07	0.00E+00	5.50E-07	6.26E-08	3.56E-08	0.00E+00	9.82E-08	3.50E-08	3.07E-08	0.00E+00	6.57E-08
809	481287.82	3767870.12	3.3094E-07	1.3783E-07	0.00E+00	4.69E-07	3.27E-07	2.01E-07	0.00E+00	5.28E-07	6.01E-08	3.42E-08	0.00E+00	9.43E-08	3.36E-08	2.95E-08	0.00E+00	6.31E-08
810	481278.23	3767870.11	3.2863E-07	1.3687E-07	0.00E+00	4.66E-07	3.25E-07	1.99E-07	0.00E+00	5.24E-07	5.97E-08	3.39E-08	0.00E+00	9.36E-08	3.33E-08	2.93E-08	0.00E+00	6.26E-08
811	481268.63	3767870.1	3.2649E-07	1.3598E-07	0.00E+00	4.62E-07	3.23E-07	1.98E-07	0.00E+00	5.21E-07	5.93E-08	3.37E-08	0.00E+00	9.30E-08	3.31E-08	2.91E-08	0.00E+00	6.22E-08
812	481220.63	3767870.05	3.1787E-07	1.3239E-07	0.00E+00	4.50E-07	3.15E-07	1.93E-07	0.00E+00	5.07E-07	5.78E-08	3.28E-08	0.00E+00	9.06E-08	3.22E-08	2.83E-08	0.00E+00	6.06E-08
813	481211.03	3767870.04	3.165E-07	1.3182E-07	0.00E+00	4.48E-07	3.13E-07	1.92E-07	0.00E+00	5.05E-07	5.75E-08	3.27E-08	0.00E+00	9.02E-08	3.21E-08	2.82E-08	0.00E+00	6.03E-08
814	481201.43	3767870.03	3.1531E-07	1.3132E-07	0.00E+00	4.47E-07	3.12E-07	1.91E-07	0.00E+00	5.03E-07	5.73E-08	3.25E-08	0.00E+00	8.98E-08	3.20E-08	2.81E-08	0.00E+00	6.01E-08
815	481191.83	3767870.02	3.1422E-07	1.3087E-07	0.00E+00	4.45E-07	3.11E-07	1.90E-07	0.00E+00	5.01E-07	5.71E-08	3.24E-08	0.00E+00	8.95E-08	3.19E-08	2.80E-08	0.00E+00	5.99E-08
816	481287.86	3767840.12	3.0322E-07	1.2629E-07	0.00E+00	4.30E-07	3.00E-07	1.84E-07	0.00E+00	4.84E-07	5.51E-08	3.13E-08	0.00E+00	8.64E-08	3.08E-08	2.70E-08	0.00E+00	5.78E-08
817	481278.26	3767840.11	3.0109E-07	1.254E-07	0.00E+00	4.26E-07	2.98E-07	1.82E-07	0.00E+00	4.80E-07	5.47E-08	3.11E-08	0.00E+00	8.58E-08	3.05E-08	2.68E-08	0.00E+00	5.74E-08
818	481268.66	3767840.1	2.9912E-07	1.2458E-07	0.00E+00	4.24E-07	2.96E-07	1.81E-07	0.00E+00	4.77E-07	5.43E-08	3.09E-08	0.00E+00	8.52E-08	3.03E-08	2.66E-08	0.00E+00	5.70E-08
819	481220.66	3767840.05	2.9134E-07	1.2134E-07	0.00E+00	4.13E-07	2.88E-07	1.77E-07	0.00E+00	4.65E-07	5.29E-08	3.01E-08	0.00E+00	8.30E-08	2.96E-08	2.60E-08	0.00E+00	5.55E-08
820	481211.06	3767840.04	2.9013E-07	1.2084E-07	0.00E+00	4.11E-07	2.87E-07	1.76E-07	0.00E+00	4.63E-07	5.27E-08	2.99E-08	0.00E+00	8.27E-08	2.94E-08	2.58E-08	0.00E+00	5.53E-08
821	481201.46	3767840.03	2.8898E-07	1.2036E-07	0.00E+00	4.09E-07	2.86E-07	1.75E-07	0.00E+00	4.61E-07	5.25E-08	2.98E-08	0.00E+00	8.23E-08	2.93E-08	2.57E-08	0.00E+00	5.51E-08
822	481191.87	3767840.02	2.8792E-07	1.1992E-07	0.00E+00	4.08E-07	2.85E-07	1.74E-07	0.00E+00	4.59E-07	5.23E-08	2.97E-08	0.00E+00	8.20E-08	2.92E-08	2.57E-08	0.00E+00	5.49E-08
823	481086.28	3768173.27	1.2012E-06	5.0029E-07	0.00E+00	1.70E-06	1.19E-06	7.28E-07	0.00E+00	1.92E-06	2.18E-07	1.24E-07	0.00E+00	3.42E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
824	481057.75	3768175.12	0.000001207	5.0272E-07	0.00E+00	1.71E-06	1.19E-06	7.31E-07	0.00E+00	1.93E-06	2.19E-07	1.25E-07	0.00E+00	3.44E-07	1.22E-07	1.08E-07	0.00E+00	2.30E-07
825	481093.51	3768160.47	1.0967E-06	4.5677E-07	0.00E+00	1.55E-06	1.09E-06	6.65E-07	0.00E+00	1.75E-06	1.99E-07	1.13E-07	0.00E+00	3.12E-07	1.11E-07	9.77E-08	0.00E+00	2.09E-07
826	480993.66	3768171.38	1.1432E-06	4.7615E-07	0.00E+00	1.62E-06	1.13E-06	6.93E-07	0.00E+00	1.82E-06	2.08E-07	1.18E-07	0.00E+00	3.26E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
827	481036.49	3768153.84	1.0284E-06	4.2832E-07	0.00E+00	1.46E-06	1.02E-06	6.23E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.16E-08	0.00E+00	1.96E-07
828	481072.19	3768139.22	9.4554E-07	3.9381E-07	0.00E+00	1.34E-06	9.36E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.76E-08	0.00E+00	2.69E-07	9.59E-08	8.42E-08	0.00E+00	1.80E-07
829	481107.89	3768124.59	8.7268E-07	3.6347E-07	0.00E+00	1.24E-06	8.64E-07	5.29E-07	0.00E+00	1.39E-06	1.59E-07	9.01E-08	0.00E+00	2.49E-07	8.85E-08	7.78E-08	0.00E+00	1.66E-07
830	481122.17	3768118.74	8.467E-07	3.5265E-07	0.00E+00	1.20E-06	8.38E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.59E-08	7.54E-08	0.00E+00	1.61E-07
831	480938.25	3768164.09	1.0583E-06	4.4077E-07	0.00E+00	1.50E-06	1.05E-06	6.41E-07	0.00E+00	1.69E-06	1.92

859	481078.26	3768016.78	5.1083E-07	2.1276E-07	0.00E+00	7.24E-07	5.05E-07	3.10E-07	0.00E+00	8.15E-07	9.28E-08	5.27E-08	0.00E+00	1.46E-07	5.18E-08	4.55E-08	0.00E+00	9.73E-08
860	481092.8	3768010.82	5.0025E-07	2.0835E-07	0.00E+00	7.09E-07	4.95E-07	3.03E-07	0.00E+00	7.98E-07	9.09E-08	5.16E-08	0.00E+00	1.43E-07	5.07E-08	4.46E-08	0.00E+00	9.53E-08
861	481107.35	3768004.87	0.00000049	2.0408E-07	0.00E+00	6.94E-07	4.85E-07	2.97E-07	0.00E+00	7.82E-07	8.90E-08	5.06E-08	0.00E+00	1.40E-07	4.97E-08	4.37E-08	0.00E+00	9.34E-08
862	481121.9	3767998.91	4.8005E-07	1.9994E-07	0.00E+00	6.80E-07	4.75E-07	2.91E-07	0.00E+00	7.66E-07	8.72E-08	4.96E-08	0.00E+00	1.37E-07	4.87E-08	4.28E-08	0.00E+00	9.15E-08
863	480809.9	3768096.72	6.7215E-07	2.7995E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.92E-07	6.82E-08	5.99E-08	0.00E+00	1.28E-07
864	480824.41	3768090.77	6.5609E-07	2.7326E-07	0.00E+00	9.29E-07	6.49E-07	3.98E-07	0.00E+00	1.05E-06	1.19E-07	6.77E-08	0.00E+00	1.87E-07	6.66E-08	5.85E-08	0.00E+00	1.25E-07
865	480853.44	3768078.88	6.2632E-07	2.6086E-07	0.00E+00	8.87E-07	6.20E-07	3.80E-07	0.00E+00	9.99E-07	1.14E-07	6.46E-08	0.00E+00	1.78E-07	6.35E-08	5.58E-08	0.00E+00	1.19E-07
866	480889.73	3768064.02	5.9132E-07	2.4628E-07	0.00E+00	8.38E-07	5.85E-07	3.58E-07	0.00E+00	9.43E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	6.00E-08	5.27E-08	0.00E+00	1.13E-07
867	480926.02	3768049.15	5.6043E-07	2.3341E-07	0.00E+00	7.94E-07	5.55E-07	3.40E-07	0.00E+00	8.94E-07	1.02E-07	5.78E-08	0.00E+00	1.60E-07	5.68E-08	4.99E-08	0.00E+00	1.07E-07
868	480962.31	3768034.29	5.3169E-07	2.2144E-07	0.00E+00	7.53E-07	5.26E-07	3.22E-07	0.00E+00	8.48E-07	9.66E-08	5.49E-08	0.00E+00	1.51E-07	5.39E-08	4.74E-08	0.00E+00	1.01E-07
869	480998.59	3768019.43	5.0526E-07	2.1044E-07	0.00E+00	7.16E-07	5.00E-07	3.06E-07	0.00E+00	8.06E-07	9.18E-08	5.22E-08	0.00E+00	1.44E-07	5.13E-08	4.50E-08	0.00E+00	9.63E-08
870	481013.11	3768013.48	4.9567E-07	2.0644E-07	0.00E+00	7.02E-07	4.90E-07	3.00E-07	0.00E+00	7.91E-07	9.01E-08	5.12E-08	0.00E+00	1.41E-07	5.03E-08	4.42E-08	0.00E+00	9.44E-08
871	481027.62	3768007.54	4.8628E-07	2.0253E-07	0.00E+00	6.89E-07	4.81E-07	2.95E-07	0.00E+00	7.76E-07	8.84E-08	5.02E-08	0.00E+00	1.39E-07	4.93E-08	4.33E-08	0.00E+00	9.27E-08
872	481042.14	3768001.59	4.7675E-07	1.9856E-07	0.00E+00	6.75E-07	4.72E-07	2.89E-07	0.00E+00	7.61E-07	8.66E-08	4.92E-08	0.00E+00	1.36E-07	4.84E-08	4.25E-08	0.00E+00	9.08E-08
873	481056.65	3767995.64	4.6739E-07	1.9467E-07	0.00E+00	6.62E-07	4.63E-07	2.83E-07	0.00E+00	7.46E-07	8.49E-08	4.82E-08	0.00E+00	1.33E-07	4.74E-08	4.16E-08	0.00E+00	8.91E-08
874	481071.17	3767989.7	4.5826E-07	1.9086E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.33E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
875	481085.69	3767983.75	4.494E-07	1.8717E-07	0.00E+00	6.37E-07	4.45E-07	2.72E-07	0.00E+00	7.17E-07	8.17E-08	4.64E-08	0.00E+00	1.28E-07	4.56E-08	4.00E-08	0.00E+00	8.56E-08
876	481100.2	3767977.81	4.4086E-07	1.8362E-07	0.00E+00	6.24E-07	4.36E-07	2.67E-07	0.00E+00	7.03E-07	8.01E-08	4.55E-08	0.00E+00	1.26E-07	4.47E-08	3.93E-08	0.00E+00	8.40E-08
877	481114.72	3767971.86	4.3255E-07	1.8016E-07	0.00E+00	6.13E-07	4.28E-07	2.62E-07	0.00E+00	6.90E-07	7.86E-08	4.46E-08	0.00E+00	1.23E-07	4.39E-08	3.85E-08	0.00E+00	8.24E-08
878	481129.23	3767965.92	4.2439E-07	1.7676E-07	0.00E+00	6.01E-07	4.20E-07	2.57E-07	0.00E+00	6.77E-07	7.71E-08	4.38E-08	0.00E+00	1.21E-07	4.30E-08	3.78E-08	0.00E+00	8.09E-08
879	480772.38	3768099.94	6.7219E-07	2.7996E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.92E-07	6.82E-08	5.99E-08	0.00E+00	1.28E-07
880	480778.51	3768085.54	6.2738E-07	2.613E-07	0.00E+00	8.89E-07	6.21E-07	3.80E-07	0.00E+00	1.00E-06	1.14E-07	6.48E-08	0.00E+00	1.79E-07	6.36E-08	5.59E-08	0.00E+00	1.20E-07
881	480788.82	3768075.37	6.0016E-07	2.4996E-07	0.00E+00	8.50E-07	5.94E-07	3.64E-07	0.00E+00	9.58E-07	1.09E-07	6.19E-08	0.00E+00	1.71E-07	6.09E-08	5.35E-08	0.00E+00	1.14E-07
882	480803.31	3768069.43	5.8696E-07	2.4447E-07	0.00E+00	8.31E-07	5.81E-07	3.56E-07	0.00E+00	9.37E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.95E-08	5.23E-08	0.00E+00	1.12E-07
883	480817.79	3768063.5	5.7443E-07	2.3925E-07	0.00E+00	8.14E-07	5.68E-07	3.48E-07	0.00E+00	9.17E-07	1.04E-07	5.93E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.09E-07
884	480832.28	3768057.56	5.6242E-07	2.3425E-07	0.00E+00	7.97E-07	5.57E-07	3.41E-07	0.00E+00	8.97E-07	1.02E-07	5.81E-08	0.00E+00	1.60E-07	5.71E-08	5.01E-08	0.00E+00	1.07E-07
885	480868.5	3768042.73	5.3379E-07	2.2232E-07	0.00E+00	7.56E-07	5.28E-07	3.23E-07	0.00E+00	8.52E-07	9.70E-08	5.51E-08	0.00E+00	1.52E-07	5.41E-08	4.76E-08	0.00E+00	1.02E-07
886	480904.72	3768027.89	5.0834E-07	2.1172E-07	0.00E+00	7.20E-07	5.03E-07	3.08E-07	0.00E+00	8.11E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
887	480940.94	3768013.05	4.8449E-07	2.0179E-07	0.00E+00	6.86E-07	4.79E-07	2.94E-07	0.00E+00	7.73E-07	8.80E-08	5.00E-08	0.00E+00	1.38E-07	4.91E-08	4.32E-08	0.00E+00	9.23E-08
888	480977.16	3767998.22	4.6232E-07	1.9255E-07	0.00E+00	6.55E-07	4.57E-07	2.80E-07	0.00E+00	7.38E-07	8.40E-08	4.77E-08	0.00E+00	1.32E-07	4.69E-08	4.12E-08	0.00E+00	8.81E-08
889	480991.65	3767992.28	4.5409E-07	1.8913E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.25E-07	8.25E-08	4.69E-08	0.00E+00	1.29E-07	4.61E-08	4.05E-08	0.00E+00	8.65E-08
890	481006.14	3767986.35	4.4602E-07	1.8576E-07	0.00E+00	6.32E-07	4.41E-07	2.70E-07	0.00E+00	7.12E-07	8.10E-08	4.60E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.50E-08
891	481020.63	3767980.41	4.3777E-07	1.8233E-07	0.00E+00	6.20E-07	4.33E-07	2.65E-07	0.00E+00	6.98E-07	7.95E-08	4.52E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.34E-08
892	481035.12	3767974.48	4.2973E-07	1.7898E-07	0.00E+00	6.09E-07	4.25E-07	2.60E-07	0.00E+00	6.86E-07	7.81E-08	4.44E-08	0.00E+00	1.22E-07	4.36E-08	3.83E-08	0.00E+00	8.19E-08
893	481049.6	3767968.55	4.2201E-07	1.7576E-07	0.00E+00	5.98E-07	4.18E-07	2.56E-07	0.00E+00	6.73E-07	7.67E-08	4.36E-08	0.00E+00	1.20E-07	4.28E-08	3.76E-08	0.00E+00	8.04E-08
894	481064.09	3767962.61	4.1444E-07	1.7261E-07	0.00E+00	5.87E-07	4.10E-07	2.51E-07	0.00E+00	6.61E-07	7.53E-08	4.28E-08	0.00E+00	1.18E-07	4.20E-08	3.69E-08	0.00E+00	7.90E-08
895	481078.58	3767956.68	4.0692E-07	1.6948E-07	0.00E+00	5.76E-07	4.03E-07	2.47E-07	0.00E+00	6.49E-07	7.39E-08	4.20E-08	0.00E+00	1.16E-07	4.13E-08	3.63E-08	0.00E+00	7.75E-08
896	481093.07	3767950.74	3.9945E-07	1.6637E-07	0.00E+00	5.66E-07	3.95E-07	2.42E-07	0.00E+00	6.37E-07	7.26E-08	4.12E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.61E-08
897	480723.78	3768143.27	8.2584E-07	3.4396E-07	0.00E+00	1.17E-06	8.17E-07	5.00E-07	0.00E+00	1.32E-06	1.50E-07	8.52E-08	0.00E+00	2.35E-07	8.38E-08	7.36E-08	0.00E+00	1.57E-07
898	480754.38	3768071.36	5.8017E-07	2.4164E-07	0.00E+00	8.22E-07	5.74E-07	3.52E-07	0.00E+00	9.26E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.89E-08	5.17E-08	0.00E+00	1.11E-07
899	480767.74	3768054.01	5.3944E-07	2.2467E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.80E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
900	480782.2	3768048.09	5.2886E-07	2.2027E-07	0.00E+00	7.49E-07	5.23E-07	3.21E-07	0.00E+00	8.44E-07	9.61E-08	5.46E-08	0.00E+00	1.51E-07	5.36E-08	4.71E-08	0.00E+00	1.01E-07
901	480796.67	3768042.16	5.1865E-07	2.1602E-07	0.00E+00	7.35E-07	5.13E-07	3.14E-07	0.00E+00	8.28E-07	9.42E-08	5.35E-08	0.00E+00	1.48E-07	5.26E-08	4.62E-08	0.00E+00	9.88E-08
902	480811.13	3768036.24	5.0884E-07	2.1193E-07	0.00E+00	7.21E-07	5.04E-07	3.08E-07	0.00E+00	8.12E-07	9.25E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.70E-08
903	480825.59	3768030.32	4.9924E-07	2.0793E-07	0.00E+00	7.07E-07	4.94E-07	3.03E-07	0.00E+00	7.97E-07	9.07E-08	5.15E-08	0.00E+00	1.42E-07	5.06E-08	4.45E-08	0.00E+00	9.51E-08
904	480840.06	3768024.39	4.8976E-07	2.0398E-07	0.00E+00	6.94E-07	4.85E-07	2.97E-07	0.00E+00	7.81E-07	8.90E-08	5.06E-08	0.00E+00	1.40E-07	4.97E-08	4.36E-08	0.00E+00	9.33E-08
905	480854.52	3768018.47	4.8064E-07	2.0018E-07	0.00E+00	6.81E-07	4.76E-07	2.91E-07	0.00E+00	7.67E-07	8.73E-08	4.96E-08	0.00E+00	1.37E-07	4.88E-08	4.28E-08	0.00E+00	9.16E-08
906	480883.45	3768006.62	4.634E-07	0.000000193	0.00E+00	6.56E-07	4.59E-07	2.81E-07	0.00E+00	7.39E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
907	480919.61	3767991.8	4.4385E-07	1.8486E-07	0.00E+00	6.29E-07	4.39E-07	2.69E-07	0.00E+00	7.08E-07	8.06E-08	4.58E-08	0.00E+00	1.26E-07	4.50E-08	3.95E-08	0.00E+00	8.46E-08
908	480955.77	3767976.99	4.2495E-07	1.7699E-07	0.00E+00	6.02E-07	4.21E-07	2.58E-07	0.00E+00	6.78E-07	7.72E-08	4.39E-08	0.00E+00	1.21E-07	4.31E-08	3.79E-08	0.00E+00	8.10E-08
909	480970.24	3767971.07	4.1784E-07	1.7403E-07	0.00E+00	5.92E-07	4.13E-07	2.53E-07	0.00E+00	6.67E-07	7.59E-08	4.31E-08	0.00E+00	1.19E-07	4.24E-08	3.72E-08	0.00E+00	7.96E-08
910	480984.7	3767965.14	4.1081E-07	1.711E-07	0.00E+00	5.82E-07	4.07E-07	2.49E-07	0.00E+00	6.55E-07	7.46E-08	4.24E-08	0.00E+00	1.17E-07	4.17E-08	3.66E-08	0.00E+00	7.83E-08
911	480999.17	3767959.22	4.0376E-07	1.6817E-07	0.00E+00	5.72E-07	4.00E-07	2.45E-07	0.00E+00	6.44E-07	7.34E-08	4.17E-08	0.00E+00	1.15E-07	4.10E-08	3.60E-08	0.00E+00	7.69E-08
912	481013.63	3767953.29	3.967E-07	1.6522E-07	0.00E+00	5.62E-07	3.93E-07	2.40E-07	0.00E+00	6.33E-07	7.21E-08	4.09E-08	0.00E+00	1.13E-07	4.02E-08	3.53E-08	0.00E+00	7.56E-08
913	481071.49	3767929.59	3.7006E-07	1.5413E-07	0.00E+00	5.24E-07	3.66E-07	2.24E-07	0.00E+00	5.90E-07	6.72E-08	3.82E-08	0.00E+00	1.05E-07	3.75E-08	3.30E-08	0.00E+00	7.05E-08
914	481085.95	3767923.67	3.636E-07	1.5144E-07	0.00E+00	5.15E-07	3.60E-07	2.20E-07	0.00E+00	5.80E-07	6.61E-08	3.75E-08	0.00E+00	1.04E-07	3.69E-08	3.24E-08	0.00E+00	6.93E-08
915	481100.42	3767917.75	3.5736E-07	1.4884E-07	0.00E+00	5.06E-07	3.54E-07	2.17E-07	0.00E+00	5.70E-07	6.49E-08	3.69E-08	0.00E+00	1.02E-07	3.62E-08	3.18E-08	0.00E+00	6.81E-08
916	481114.88	3767911.82	3.5141E-07	1.4636E-07	0.00E+00	4.98E-07	3.48E-07	2.13E-07	0.00E+00	5.61E-07	6.39E-08	3.63E-08	0.00E+00	1.00E-07	3.56E-08	3.13E-08	0.00E+00	6.70E-08
917	480693.59	3768143.33	8.1089E-07	3.3773E-07	0.00E+00	1.15E-06	8.02E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.23E-08	7.22E-08	0.00E+00	1.54E-07
918	480699.71	3768128.96	7.5275E-07	3.1352E-07	0.00E+00	1.07E-06	7.45E-07	4.56E-07	0.00E+00	1.20E-06	1.37E-07	7.77E-08	0.00E+00	2.14E-07	7.64E-08	6.71E-08	0.00E+00	1.43E-07
919	480705.82	3768114.6	7.0047E-07	2.9174E-07	0.00E+00	9.92E-07	6.93E-07	4.25E-07	0.00E+00	1.12E-06	1.27E-07	7.23E-08	0.00E+00	2.00E-07	7.11E-08	6.24E-08	0.00E+00	1.33E-07
920	480711.93	3768100.24	6.532E-07	2.7205E-07	0.00E+00	9.25E-07	6.46E-07	3.96E-07	0.00E+00	1.04E-06	1.19E-07	6.74E-08	0.00E+00	1.86E-07	6.63E-08	5.82E-08	0.00E+00	1.24E-07
921	480718.04	3768085.88	6.1088E-07	2.5443E-07	0.00E+00	8.65E-07	6.04E-07	3.70E-07	0.00E+00	9.75E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.44E-08	0.00E+00	1.16E-07
922	480724.16	3768071.52	5.7295E-07	2.3863E-07	0.00E+00	8.12E-07	5.67E-07	3.47E-07	0.00E+00	9.14E-07	1.04E-07	5.91E-08	0.00E+00	1.63E-07	5.81E-08	5.10E-08	0.00E+00	1.09E-07
923	480761.1	3768026.75	4.7996E-07	1.999E-07	0.00E+00	6.80E-07	4.75E-07	2.91E-07	0.00E+00	7.66E-07	8.72E-08	4.95E-08	0.00E+00	1.37E-07	4.87E-08	4.28E-08	0.00E+00	9.14E-08
924	480775.54	3768020.83	4.713E-07	1.9629E-07	0.00E+00	6.68E-07	4.66E-07	2.86E-07	0.00E+00	7.52E-07	8.56E-08	4.86E-08	0.00E+00	1.34E-07	4.78E-08	4.20E-08	0.00E+00	8.98E-08
925	480789.99	3768014.91	4.6281E-07	1.9276E-07	0.00E+00	6.56E-07	4.58E-07	2.80E-07	0.00E+00	7.38E-07	8.41E-08	4.78E-08	0.00E+00	1.32E-07	4.69E-08	4.12E-08	0.00E+00	8.82E-08
926	480804.43	3768009	4.5495E-07	1.8949E-07	0.00E+00	6.44E-07	4.50E-07	2.76E-07	0.00E+00	7.26E-07	8.27E-08	4.70E-08	0.00E+00	1.30E-07	4.61E-08	4.05E-08	0.00E+00	8.67E-08
927	480818.87	3768003.08	4.4736E-07	1.8632E-07	0.00E+00	6.34E-07	4.43E-07	2.71E-07	0.00E+00	7.14E-07	8.13E-08	4.62E-08	0.00E+00	1.27E-07	4.54E-08	3.99E-08	0.00E+00	8.52E-08
928	480833.32	3767997.17	4.3973E-07	1.8314E-07	0.00E+00	6.23E-07	4.35E-07	2.66E-07	0.00E+00	7.02E-07	7.99E-08	4.54E-08	0.00E+00	1.25E-07	4.46E-08	3.92E-08	0.00E+00	8.38E-08
929	480847.76	3767991.25	4.323E-07	1.8005E-07	0.00E+00	6.12E-07	4.28E-07	2.62E-07	0.00E+00	6.90E-07	7.85E-08	4.46E-08	0.00E+00	1.23E-07	4.39E-08	3.85E-08	0.00E+00	8.24E-08
930	480862.2	3767985.33	4.2509E-07	1.7705E-07	0.00E+00	6.02E-07	4.21E-07	2.58E-07	0.00E+00	6.78E-07	7.72E-08	4.39E-08	0.00E+00	1.21E-07	4.31E-08	3.79E-08	0.00E+00	8.10E-08
931	480898.31	3767970.54	4.083E-07	1.7006E-07	0.00E+00	5.78E-07	4.04E-07	2.47E-07	0.00E+00	6.51E-07	7.42E-08	4.21E-08	0.00E+00	1.16E-07	4.14E-08	3.64E-08	0.00E+00	7.78E-08
932	480934.42	3767955.75	3.922E-07	1.6335E-07	0.00E+00	5.56E-07	3.88E-07	2.38E-07	0.00E+00	6.26E-07	7.13E-08	4.05E-08	0.00E+00	1.12E-07	3.98E-08	3.49E-08	0.00E+00	7.47E-08
933	480948.86	3767949.84	3.8601E-07	1.6077E-07	0.00E+00	5.47E-07	3.82E-07	2.34E-07	0.00E+00	6.16E-07	7.01E-08	3.98E-08	0.00E+00	1.10E-07	3.92E-08	3.44E-08	0.00E+00	7.35E-08
934	481006.63	3767926.17	3.6154E-07	1.5058E-07	0.00E+00	5.12E-07	3.58E-07	2.19E-07	0.00E+00	5.77E-07	6.57E-08	3.73E-08	0.00E+00	1.03E-07	3.67E-08	3.22E-08	0.00E+00	6.89E-08
935	481021.07	3767920.26	3.5556E-07	1.4809E-07	0.00E+00	5.04E-07	3.52E-07	2.15E-07	0.00E+00	5.67E-07	6.46E-08	3.67E-08	0.00E+00	1.01E-07	3.61E-08	3.17E-08	0.00E+00	6.77E-08
936	481035.52	3767914.34	3.4975E-07	1.4567E-07	0.00E+00	4.95E-07	3.46E-07	2.12E-07	0.00E+00	5.58E-07	6.35E-08	3.61E-08	0.00E+00	9.97E-08	3.55E-08	3.12E-08	0.00E+00	6.66E-08
937	481049.96	3767908.42	3.4401E-07	1.4328E-07	0.00E+00	4.87E-07	3.40E-07	2.08E-07	0.00E+00	5.49E-07	6.25E-08	3.55E-08	0.00E+00	9.80E-08	3.49E-08	3.06E-08	0.00E+00	6.55E-08
938	481064.4	3767902.51	3.3829E-07	1.409E-07	0.00E+00	4.79E-07	3.35E-07	2.05E-07	0.00E+00	5.40E-07	6.15E-08	3.49E-08	0.00E+00	9.64E-08	3.43E-08	3.01E-08	0.00E+00	6.45E-08
939	481078.85	3767896.59	3.3264E-07	1.3854E-07	0.00E+00	4.71E-07	3.29E-07	2.02E-07	0.00E+00	5.31E-07	6.04E-08	3.43E-08	0.00E+00	9.48E-08	3.37E-08	2.96E-08	0.00E+00	6.34E-08
940	481093.29	3767890.68	3.2727E-07	1.363E-07	0.00E+00	4.64E-07	3.24E-07	1.98E-07	0.00E+00	5.22E-07	5.95E-08	3.38E-08	0.00E+00	9.32E-08	3.32E-08	2.92E-08	0.00E+00	6.24E-08
941	481107.73	3767884.76	3.2212E-07	1.3416E-07	0.00E+00	4.56E-07	3.19E-07	1.95E-07	0.00E+00	5.14E-07	5.85E-08	3.32E-08	0.00E+00	9.18E-08	3.27E-08	2.87E-08	0.00E+00	6.14E-08
942	481122.17	3767878.84	3.171E-07	1.3207E-07	0.00E+00	4.49E-07	3.14E-07	1.92E-07	0.00E+00	5.06E-07	5.76E-08	3.27E-08	0.00E+00	9.03E-08	3.22E-08	2.83E-08	0.00E+00	6.04E-08
943	480665.59	3768138.27	7.7628E-07	3.2332E-07	0.00E+00	1.10E-06	7.68E-07	4.70E-07	0.00E+00	1.24E-06	1.41E-07	8.01E-08	0.00E+00	2.21E-07	7.87E-08	6.92E-08	0.00E+00	1.48E-07
944	480671.8	3768123.68	7.2158E-07	3.0053E-07	0.00E+00	1.02E-06	7.14E-07	4.37E-07	0.00E+00	1.15E-06	1.31E-07	7.45E-08	0.00E+00	2.06E-07	7.32E-08	6.43E-08	0.00E+00	1.37E-07
945	480678.01	3768109.09	6.7204E-07	2.799E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.91E-07	6.82E-08	5.99E-08	0.00E+00	1.28E-07
946	480684.22	3768094.5	6.2719E-07	2.6122E-07	0.00E+00	8.88E-07	6.21E-07	3.80E-07	0.00E+00	1.00E-06	1.14E-07	6.47E-08	0.00E+00	1.79E-07	6.36E-08	5.59E-08	0.00E+00	1.19E-07
947	480690.43	3768079.91	5.8668E-07	2.4435E-07	0.00E+00	8.31E-07	5.81E-07	3.56E-07	0.00E+00	9.36E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.95E-08	5.23E-08	0.00E+00	1.12E-07
948	480696.64	3768065.32	5.5047E-07	2.2927E-07	0.00E+00	7.80E-07	5.45E-07	3.34E-07	0.00E+00	8.78E-07	1.00E-07	5.68E-08	0.00E+00	1.57E-07	5.58E-08	4.90E-08	0.00E+00	1.05E-07
949	480702.85	3768050.73	5.1795E-07	2.1573E-07	0.00E+00	7.34E-07	5.13E-07	3.14E-07	0.00E+00	8.26E-07	9.41E-08	5.35E-08	0.00E+00	1.48E-07	5.25E-08	4.61E-08	0.00E+00	9.87E-08
950	480725.71	3768011.26	4.4543E-07	1.8552E-07	0.00E+00	6.31E-07	4.41E-07	2.70E-07	0.00E+00	7.11E-07	8.09E-08	4.60E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.49E-08
951	480755.05	3767999.24	4.306E-07	1.7934E-07	0.00E+00	6.10E-07	4.26E-07	2.61E-07	0.00E+00	6.87E-07	7.82E-08	4.44E-08	0.00E+00	1.23E-07	4.37E-08	3.84E-08	0.00E+00	8.20E-08
952	480769.72	3767993.23	4.2341E-07	1.7635E-07	0.00E+00	6.00E-07	4.19E-07	2.57E-07	0.00E+00	6.76E-07	7.69E-08	4.37E-08	0.00E+00	1.21E-07	4.29E-08	3.77E-08	0.00E+00	8.07E-08
953	480784.4	3767987.22	4.1637E-07	1.7342E-07	0.00E+00	5.90E-07	4.12E-07	2.52E-07	0.00E+00	6.64E-07	7.57E-08	4.30E-08	0.00E+00	1.19E-07	4.22E-08	3.71E-08	0.00E+00	7.93E-08
954	480799.07	3767981.21	4.0984E-07	1.707E-07	0.00E+00	5.81E-07	4.06E-07	2.48E-07	0.00E+00	6.54E-07

982	481065.85	3768991.57	0.000001077	4.4858E-07	0.00E+00	1.53E-06	1.07E-06	6.53E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.07E-07	1.09E-07	9.60E-08	0.00E+00	2.05E-07
983	481038.91	3769014.74	1.0198E-06	4.2476E-07	0.00E+00	1.44E-06	1.01E-06	6.18E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.91E-07	1.03E-07	9.09E-08	0.00E+00	1.94E-07
984	481048.01	3769017.51	9.814E-07	4.0875E-07	0.00E+00	1.39E-06	9.71E-07	5.95E-07	0.00E+00	1.57E-06	1.78E-07	1.01E-07	0.00E+00	2.80E-07	9.96E-08	8.74E-08	0.00E+00	1.87E-07
985	481057.12	3769020.28	9.4473E-07	3.9348E-07	0.00E+00	1.34E-06	9.35E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.75E-08	0.00E+00	2.69E-07	9.58E-08	8.42E-08	0.00E+00	1.80E-07
986	481039.29	3769046.21	8.6626E-07	3.608E-07	0.00E+00	1.23E-06	8.57E-07	5.25E-07	0.00E+00	1.38E-06	1.57E-07	8.94E-08	0.00E+00	2.47E-07	8.79E-08	7.72E-08	0.00E+00	1.65E-07
987	481048.39	3769048.98	8.358E-07	3.4811E-07	0.00E+00	1.18E-06	8.27E-07	5.07E-07	0.00E+00	1.33E-06	1.52E-07	8.63E-08	0.00E+00	2.38E-07	8.48E-08	7.45E-08	0.00E+00	1.59E-07
988	481086.82	3768966.98	1.1675E-06	4.8625E-07	0.00E+00	1.65E-06	1.16E-06	7.08E-07	0.00E+00	1.86E-06	2.12E-07	1.21E-07	0.00E+00	3.33E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
989	481100.17	3768971.1	1.0975E-06	4.5712E-07	0.00E+00	1.55E-06	1.09E-06	6.65E-07	0.00E+00	1.75E-06	1.99E-07	1.13E-07	0.00E+00	3.13E-07	1.11E-07	9.78E-08	0.00E+00	2.09E-07
990	481077.77	3768995.57	0.00000102	4.2482E-07	0.00E+00	1.44E-06	1.01E-06	6.18E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.91E-07	1.03E-07	9.09E-08	0.00E+00	1.94E-07
991	481091.45	3768999.81	9.6104E-07	4.0027E-07	0.00E+00	1.36E-06	9.51E-07	5.82E-07	0.00E+00	1.53E-06	1.75E-07	9.92E-08	0.00E+00	2.74E-07	9.75E-08	8.56E-08	0.00E+00	1.83E-07
992	481068.71	3769024.17	8.9892E-07	3.744E-07	0.00E+00	1.27E-06	8.90E-07	5.45E-07	0.00E+00	1.43E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
993	481082.73	3769028.51	8.4905E-07	3.5363E-07	0.00E+00	1.20E-06	8.40E-07	5.15E-07	0.00E+00	1.35E-06	1.54E-07	8.76E-08	0.00E+00	2.42E-07	8.61E-08	7.56E-08	0.00E+00	1.62E-07
994	481059.66	3769052.77	7.9872E-07	3.3266E-07	0.00E+00	1.13E-06	7.90E-07	4.84E-07	0.00E+00	1.27E-06	1.45E-07	8.24E-08	0.00E+00	2.28E-07	8.10E-08	7.12E-08	0.00E+00	1.52E-07
995	481074.01	3769057.22	7.5622E-07	3.1496E-07	0.00E+00	1.07E-06	7.48E-07	4.58E-07	0.00E+00	1.21E-06	1.37E-07	7.81E-08	0.00E+00	2.15E-07	7.67E-08	6.74E-08	0.00E+00	1.44E-07
996	481113.5	3768975.08	1.0338E-06	4.3055E-07	0.00E+00	1.46E-06	1.02E-06	6.26E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.95E-07	1.05E-07	9.21E-08	0.00E+00	1.97E-07
997	481105.12	3769003.88	9.0736E-07	3.7791E-07	0.00E+00	1.29E-06	8.98E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.20E-08	8.08E-08	0.00E+00	1.73E-07
998	481118.78	3769007.76	8.5873E-07	3.5766E-07	0.00E+00	1.22E-06	8.50E-07	5.20E-07	0.00E+00	1.37E-06	1.56E-07	8.86E-08	0.00E+00	2.45E-07	8.71E-08	7.65E-08	0.00E+00	1.64E-07
999	481096.73	3769032.69	8.0375E-07	3.3476E-07	0.00E+00	1.14E-06	7.95E-07	4.87E-07	0.00E+00	1.28E-06	1.46E-07	8.30E-08	0.00E+00	2.29E-07	8.15E-08	7.16E-08	0.00E+00	1.53E-07
1000	481110.74	3769036.66	7.628E-07	3.177E-07	0.00E+00	1.08E-06	7.55E-07	4.62E-07	0.00E+00	1.22E-06	1.39E-07	7.87E-08	0.00E+00	2.17E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
1001	481517.34	3768238.32	4.5282E-06	0.000001886	0.00E+00	6.41E-06	4.48E-06	2.74E-06	0.00E+00	7.23E-06	8.23E-07	4.67E-07	0.00E+00	1.29E-06	4.59E-07	4.03E-07	0.00E+00	8.63E-07
1002	481507.83	3768238.28	4.4239E-06	1.8425E-06	0.00E+00	6.27E-06	4.38E-06	2.68E-06	0.00E+00	7.06E-06	8.04E-07	4.57E-07	0.00E+00	1.26E-06	4.49E-07	3.94E-07	0.00E+00	8.43E-07
1003	481498.32	3768238.24	4.3192E-06	1.7989E-06	0.00E+00	6.12E-06	4.27E-06	2.62E-06	0.00E+00	6.89E-06	7.85E-07	4.46E-07	0.00E+00	1.23E-06	4.38E-07	3.85E-07	0.00E+00	8.23E-07
1004	481488.81	3768238.2	4.2078E-06	1.7525E-06	0.00E+00	5.96E-06	4.16E-06	2.55E-06	0.00E+00	6.71E-06	7.65E-07	4.34E-07	0.00E+00	1.20E-06	4.27E-07	3.75E-07	0.00E+00	8.02E-07
1005	481479.3	3768238.16	4.0917E-06	1.7042E-06	0.00E+00	5.80E-06	4.05E-06	2.48E-06	0.00E+00	6.53E-06	7.43E-07	4.22E-07	0.00E+00	1.17E-06	4.15E-07	3.65E-07	0.00E+00	7.80E-07
1006	481469.8	3768238.12	3.9609E-06	1.6497E-06	0.00E+00	5.61E-06	3.92E-06	2.40E-06	0.00E+00	6.32E-06	7.20E-07	4.09E-07	0.00E+00	1.13E-06	4.02E-07	3.53E-07	0.00E+00	7.55E-07
1007	481460.29	3768238.08	3.8275E-06	1.5941E-06	0.00E+00	5.42E-06	3.79E-06	2.32E-06	0.00E+00	6.11E-06	6.95E-07	3.95E-07	0.00E+00	1.09E-06	3.88E-07	3.41E-07	0.00E+00	7.29E-07
1008	481450.78	3768238.04	3.6934E-06	1.5383E-06	0.00E+00	5.23E-06	3.65E-06	2.24E-06	0.00E+00	5.89E-06	6.71E-07	3.81E-07	0.00E+00	1.05E-06	3.75E-07	3.29E-07	0.00E+00	7.04E-07
1009	481441.27	3768238	3.5602E-06	1.4828E-06	0.00E+00	5.04E-06	3.52E-06	2.16E-06	0.00E+00	5.68E-06	6.47E-07	3.67E-07	0.00E+00	1.01E-06	3.61E-07	3.17E-07	0.00E+00	6.78E-07
1010	481431.76	3768237.96	3.4294E-06	1.4283E-06	0.00E+00	4.86E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.77E-07	3.48E-07	3.06E-07	0.00E+00	6.53E-07
1011	481422.25	3768237.92	3.3026E-06	1.3755E-06	0.00E+00	4.68E-06	3.27E-06	2.00E-06	0.00E+00	5.27E-06	6.00E-07	3.41E-07	0.00E+00	9.41E-07	3.35E-07	2.94E-07	0.00E+00	6.29E-07
1012	481412.74	3768237.88	3.1817E-06	1.3251E-06	0.00E+00	4.51E-06	3.15E-06	1.93E-06	0.00E+00	5.08E-06	5.78E-07	3.28E-07	0.00E+00	9.07E-07	3.23E-07	2.83E-07	0.00E+00	6.06E-07
1013	481403.23	3768237.84	3.0678E-06	1.2777E-06	0.00E+00	4.35E-06	3.04E-06	1.86E-06	0.00E+00	4.89E-06	5.57E-07	3.17E-07	0.00E+00	8.74E-07	3.11E-07	2.73E-07	0.00E+00	5.85E-07
1014	481393.72	3768237.8	2.9622E-06	1.2337E-06	0.00E+00	4.20E-06	2.93E-06	1.80E-06	0.00E+00	4.73E-06	5.38E-07	3.06E-07	0.00E+00	8.44E-07	3.00E-07	2.64E-07	0.00E+00	5.64E-07
1015	481384.21	3768237.76	2.8652E-06	1.1933E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.57E-06	5.21E-07	2.96E-07	0.00E+00	8.16E-07	2.91E-07	2.55E-07	0.00E+00	5.46E-07
1016	481374.71	3768237.72	2.7773E-06	1.1567E-06	0.00E+00	3.93E-06	2.75E-06	1.68E-06	0.00E+00	4.43E-06	5.05E-07	2.87E-07	0.00E+00	7.91E-07	2.82E-07	2.47E-07	0.00E+00	5.29E-07
1017	481365.2	3768237.68	2.6991E-06	1.1242E-06	0.00E+00	3.82E-06	2.67E-06	1.64E-06	0.00E+00	4.31E-06	4.90E-07	2.79E-07	0.00E+00	7.69E-07	2.74E-07	2.40E-07	0.00E+00	5.14E-07
1018	481355.69	3768237.64	2.6311E-06	1.0958E-06	0.00E+00	3.73E-06	2.60E-06	1.59E-06	0.00E+00	4.20E-06	4.78E-07	2.72E-07	0.00E+00	7.50E-07	2.67E-07	2.34E-07	0.00E+00	5.01E-07
1019	481346.18	3768237.61	2.5735E-06	1.0719E-06	0.00E+00	3.65E-06	2.55E-06	1.56E-06	0.00E+00	4.11E-06	4.68E-07	2.66E-07	0.00E+00	7.33E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1020	481602.02	3768260.07	6.0419E-06	2.5164E-06	0.00E+00	8.56E-06	5.98E-06	3.66E-06	0.00E+00	9.64E-06	1.10E-06	6.24E-07	0.00E+00	1.72E-06	6.13E-07	5.38E-07	0.00E+00	1.15E-06
1021	481613.77	3768271.96	6.6501E-06	2.7697E-06	0.00E+00	9.42E-06	6.58E-06	4.03E-06	0.00E+00	1.06E-05	1.21E-06	6.86E-07	0.00E+00	1.89E-06	6.75E-07	5.92E-07	0.00E+00	1.27E-06
1022	481517.38	3768228.48	4.0421E-06	1.6835E-06	0.00E+00	5.73E-06	4.00E-06	2.45E-06	0.00E+00	6.45E-06	7.34E-07	4.17E-07	0.00E+00	1.15E-06	4.10E-07	3.60E-07	0.00E+00	7.70E-07
1023	481507.87	3768228.44	3.9447E-06	0.000001643	0.00E+00	5.59E-06	3.90E-06	2.39E-06	0.00E+00	6.29E-06	7.17E-07	4.07E-07	0.00E+00	1.12E-06	4.00E-07	3.51E-07	0.00E+00	7.52E-07
1024	481498.36	3768228.4	3.8475E-06	1.6025E-06	0.00E+00	5.45E-06	3.81E-06	2.33E-06	0.00E+00	6.14E-06	6.99E-07	3.97E-07	0.00E+00	1.10E-06	3.90E-07	3.43E-07	0.00E+00	7.33E-07
1025	481488.85	3768228.36	3.7454E-06	0.00000156	0.00E+00	5.31E-06	3.71E-06	2.27E-06	0.00E+00	5.98E-06	6.81E-07	3.87E-07	0.00E+00	1.07E-06	3.80E-07	3.34E-07	0.00E+00	7.14E-07
1026	481479.35	3768228.32	3.6398E-06	0.000001516	0.00E+00	5.16E-06	3.60E-06	2.21E-06	0.00E+00	5.81E-06	6.61E-07	3.76E-07	0.00E+00	1.04E-06	3.69E-07	3.24E-07	0.00E+00	6.94E-07
1027	481469.84	3768228.28	3.5231E-06	1.4673E-06	0.00E+00	4.99E-06	3.49E-06	2.14E-06	0.00E+00	5.62E-06	6.40E-07	3.64E-07	0.00E+00	1.00E-06	3.57E-07	3.14E-07	0.00E+00	6.71E-07
1028	481460.33	3768228.24	3.4047E-06	0.000001418	0.00E+00	4.82E-06	3.37E-06	2.06E-06	0.00E+00	5.43E-06	6.19E-07	3.51E-07	0.00E+00	9.70E-07	3.45E-07	3.03E-07	0.00E+00	6.49E-07
1029	481450.82	3768228.2	3.2866E-06	1.3689E-06	0.00E+00	4.66E-06	3.25E-06	1.99E-06	0.00E+00	5.24E-06	5.97E-07	3.39E-07	0.00E+00	9.36E-07	3.33E-07	2.93E-07	0.00E+00	6.26E-07
1030	481441.31	3768228.16	3.1703E-06	1.3204E-06	0.00E+00	4.49E-06	3.14E-06	1.92E-06	0.00E+00	5.06E-06	5.76E-07	3.27E-07	0.00E+00	9.03E-07	3.22E-07	2.82E-07	0.00E+00	6.04E-07
1031	481431.8	3768228.12	3.0567E-06	1.2731E-06	0.00E+00	4.33E-06	3.02E-06	1.85E-06	0.00E+00	4.88E-06	5.55E-07	3.16E-07	0.00E+00	8.71E-07	3.10E-07	2.72E-07	0.00E+00	5.82E-07
1032	481422.29	3768228.08	2.9468E-06	1.2273E-06	0.00E+00	4.17E-06	2.92E-06	1.79E-06	0.00E+00	4.70E-06	5.35E-07	3.04E-07	0.00E+00	8.40E-07	2.99E-07	2.63E-07	0.00E+00	5.61E-07
1033	481412.78	3768228.04	2.8425E-06	1.1839E-06	0.00E+00	4.03E-06	2.81E-06	1.72E-06	0.00E+00	4.54E-06	5.16E-07	2.93E-07	0.00E+00	8.10E-07	2.88E-07	2.53E-07	0.00E+00	5.42E-07
1034	481403.27	3768228	2.7446E-06	1.1431E-06	0.00E+00	3.89E-06	2.72E-06	1.66E-06	0.00E+00	4.38E-06	4.99E-07	2.83E-07	0.00E+00	7.82E-07	2.78E-07	2.45E-07	0.00E+00	5.23E-07
1035	481393.76	3768227.96	2.6537E-06	1.1053E-06	0.00E+00	3.76E-06	2.63E-06	1.61E-06	0.00E+00	4.23E-06	4.82E-07	2.74E-07	0.00E+00	7.56E-07	2.69E-07	2.36E-07	0.00E+00	5.06E-07
1036	481384.26	3768227.92	2.5702E-06	1.0705E-06	0.00E+00	3.64E-06	2.54E-06	1.56E-06	0.00E+00	4.10E-06	4.67E-07	2.65E-07	0.00E+00	7.32E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1037	481374.75	3768227.89	2.4945E-06	1.0389E-06	0.00E+00	3.53E-06	2.47E-06	1.51E-06	0.00E+00	3.98E-06	4.53E-07	2.57E-07	0.00E+00	7.11E-07	2.53E-07	2.22E-07	0.00E+00	4.75E-07
1038	481365.24	3768227.85	2.4264E-06	1.0106E-06	0.00E+00	3.44E-06	2.40E-06	1.47E-06	0.00E+00	3.87E-06	4.41E-07	2.50E-07	0.00E+00	6.91E-07	2.46E-07	2.16E-07	0.00E+00	4.62E-07
1039	481355.73	3768227.81	2.3668E-06	9.8576E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.78E-06	4.30E-07	2.44E-07	0.00E+00	6.74E-07	2.40E-07	2.11E-07	0.00E+00	4.51E-07
1040	481346.22	3768227.77	2.3155E-06	9.6439E-07	0.00E+00	3.28E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.21E-07	2.39E-07	0.00E+00	6.60E-07	2.35E-07	2.06E-07	0.00E+00	4.41E-07
1041	481620.72	3768264.92	0.000006133	2.5544E-06	0.00E+00	8.69E-06	6.07E-06	3.72E-06	0.00E+00	9.79E-06	1.11E-06	6.33E-07	0.00E+00	1.75E-06	6.22E-07	5.46E-07	0.00E+00	1.17E-06
1042	481640.87	3768314.48	0.000008726	3.6344E-06	0.00E+00	1.24E-05	8.63E-06	5.29E-06	0.00E+00	1.39E-05	1.59E-06	9.01E-07	0.00E+00	2.49E-06	8.85E-07	7.77E-07	0.00E+00	1.66E-06
1043	481517.42	3768218.64	3.6276E-06	1.5109E-06	0.00E+00	5.14E-06	3.59E-06	2.20E-06	0.00E+00	5.79E-06	6.59E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.91E-07
1044	481507.91	3768218.6	3.5373E-06	1.4733E-06	0.00E+00	5.01E-06	3.50E-06	2.14E-06	0.00E+00	5.64E-06	6.43E-07	3.65E-07	0.00E+00	1.01E-06	3.59E-07	3.15E-07	0.00E+00	6.74E-07
1045	481498.4	3768218.56	3.4476E-06	1.4359E-06	0.00E+00	4.88E-06	3.41E-06	2.09E-06	0.00E+00	5.50E-06	6.26E-07	3.56E-07	0.00E+00	9.82E-07	3.50E-07	3.07E-07	0.00E+00	6.57E-07
1046	481488.9	3768218.52	3.3547E-06	1.3972E-06	0.00E+00	4.75E-06	3.32E-06	2.03E-06	0.00E+00	5.35E-06	6.10E-07	3.46E-07	0.00E+00	9.56E-07	3.40E-07	2.99E-07	0.00E+00	6.39E-07
1047	481479.39	3768218.48	3.2591E-06	1.3574E-06	0.00E+00	4.62E-06	3.23E-06	1.98E-06	0.00E+00	5.20E-06	5.92E-07	3.36E-07	0.00E+00	9.29E-07	3.31E-07	2.90E-07	0.00E+00	6.21E-07
1048	481469.88	3768218.44	3.1542E-06	1.3137E-06	0.00E+00	4.47E-06	3.12E-06	1.91E-06	0.00E+00	5.03E-06	5.73E-07	3.26E-07	0.00E+00	8.99E-07	3.20E-07	2.81E-07	0.00E+00	6.01E-07
1049	481460.37	3768218.4	3.0492E-06	0.00000127	0.00E+00	4.32E-06	3.02E-06	1.85E-06	0.00E+00	4.87E-06	5.54E-07	3.15E-07	0.00E+00	8.69E-07	3.09E-07	2.72E-07	0.00E+00	5.81E-07
1050	481450.86	3768218.36	2.9451E-06	1.2266E-06	0.00E+00	4.17E-06	2.91E-06	1.78E-06	0.00E+00	4.70E-06	5.35E-07	3.04E-07	0.00E+00	8.39E-07	2.99E-07	2.62E-07	0.00E+00	5.61E-07
1051	481441.35	3768218.32	2.8435E-06	1.1843E-06	0.00E+00	4.03E-06	2.81E-06	1.72E-06	0.00E+00	4.54E-06	5.17E-07	2.94E-07	0.00E+00	8.10E-07	2.88E-07	2.53E-07	0.00E+00	5.42E-07
1052	481431.84	3768218.28	2.7443E-06	0.000001143	0.00E+00	3.89E-06	2.72E-06	1.66E-06	0.00E+00	4.38E-06	4.99E-07	2.83E-07	0.00E+00	7.82E-07	2.78E-07	2.45E-07	0.00E+00	5.23E-07
1053	481422.33	3768218.24	2.6488E-06	1.1032E-06	0.00E+00	3.75E-06	2.62E-06	1.61E-06	0.00E+00	4.23E-06	4.81E-07	2.73E-07	0.00E+00	7.55E-07	2.69E-07	2.36E-07	0.00E+00	5.05E-07
1054	481412.82	3768218.2	2.5583E-06	1.0655E-06	0.00E+00	3.62E-06	2.53E-06	1.55E-06	0.00E+00	4.08E-06	4.65E-07	2.64E-07	0.00E+00	7.29E-07	2.60E-07	2.28E-07	0.00E+00	4.87E-07
1055	481403.31	3768218.16	2.4735E-06	1.0302E-06	0.00E+00	3.50E-06	2.45E-06	1.50E-06	0.00E+00	3.95E-06	4.49E-07	2.55E-07	0.00E+00	7.05E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
1056	481393.81	3768218.13	2.3951E-06	9.9756E-07	0.00E+00	3.39E-06	2.37E-06	1.45E-06	0.00E+00	3.82E-06	4.35E-07	2.47E-07	0.00E+00	6.82E-07	2.43E-07	2.13E-07	0.00E+00	4.56E-07
1057	481384.3	3768218.09	2.3226E-06	9.6735E-07	0.00E+00	3.29E-06	2.30E-06	1.41E-06	0.00E+00	3.71E-06	4.22E-07	2.40E-07	0.00E+00	6.62E-07	2.36E-07	2.07E-07	0.00E+00	4.43E-07
1058	481374.79	3768218.05	2.2564E-06	9.398E-07	0.00E+00	3.20E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.43E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
1059	481365.28	3768218.01	2.1969E-06	9.1499E-07	0.00E+00	3.11E-06	2.17E-06	1.33E-06	0.00E+00	3.51E-06	3.99E-07	2.27E-07	0.00E+00	6.26E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
1060	481355.77	3768217.97	2.1443E-06	8.931E-07	0.00E+00	3.04E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.90E-07	2.21E-07	0.00E+00	6.11E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07
1061	481346.26	3768217.93	2.0986E-06	8.7408E-07	0.00E+00	2.97E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.81E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07
1062	481336.75	3768217.89	2.0588E-06	8.5748E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
1063	481616.24	3768246.34	5.1996E-06	2.1656E-06	0.00E+00	7.37E-06	5.15E-06	3.15E-06	0.00E+00	8.30E-06	9.45E-07	5.37E-07	0.00E+00	1.48E-06	5.27E-07	4.63E-07	0.00E+00	9.91E-07
1064	481627.67	3768257.9	5.6787E-06	2.3651E-06	0.00E+00	8.04E-06	5.62E-06	3.44E-06	0.00E+00	9.06E-06	1.03E-06	5.86E-07	0.00E+00	1.62E-06	5.76E-07	5.06E-07	0.00E+00	1.08E-06
1065	481634.3	3768274.21	6.4577E-06	2.6896E-06	0.00E+00	9.15E-06	6.39E-06	3.91E-06	0.00E+00	1.03E-05	1.17E-06	6.67E-07	0.00E+00	1.84E-06	6.55E-07	5.75E-07	0.00E+00	1.23E-06
1066	481640.93	3768290.51	7.2529E-06	3.0208E-06	0.00E+00	1.03E-05	7.18E-06	4.40E-06	0.00E+00	1.16E-05	1.32E-06	7.49E-07	0.00E+00	2.07E-06	7.36E-07	6.46E-07	0.00E+00	1.38E-06
1067	481647.56	3768306.82	8.0132E-06	3.3375E-06	0.00E+00	1.14E-05	7.93E-06	4.86E-06	0.00E+00	1.28E-05	1.46E-06	8.27E-07	0.00E+00	2.28E-06	8.13E-07	7.14E-07	0.00E+00	1.53E-06
1068	481654.19	3768323.13	8.6803E-06	3.6153E-06	0.00E+00	1.23E-05	8.59E-06	5.26E-06	0.00E+00	1.39E-05	1.58E-06	8.96E-07	0.00E+00	2.47E-06	8.81E-07	7.73E-07	0.00E+00	1.65E-06
1069	481517.46	3768208.8	3.2718E-06	1.3627E-06	0.00E+00	4.63E-06	3.24E-06	1.98E-06	0.00E+00	5.22E-06	5.94E-07	3.38E-07	0.00E+00	9.32E-07	3.32E-07	2.91E-07	0.00E+00	6.23E-07
1070	481507.95	3768208.76	3.1886E-06	0.000001328	0.00E+00	4.52E-06	3.16E-06	1.93E-06	0.00E+00	5.09E-06	5.79E-07	3.29E-07	0.00E+00	9.08E-07	3.23E-07	2.84E-07	0.00E+00	6.08E-07
1071	481498.45	3768208.72	3.1063E-06	1.2938E-06	0.00E+00	4.40E-06	3.07E-06	1.88E-06	0.00E+00	4.96E-06	5.64E-07	3.21E-07	0.00E+00	8.85E-07	3.15E-07	2.77E-07	0.00E+00	5.92E-07
1072	481488.94	3768208.68	3.0217E-06	1.2585E-06	0.00E+00	4.28E-06	2.99E-06	1.83E-06	0.00E+00	4.82E-06	5.49E-07	3.12E-07	0.00E+00	8.61E-07	3.07E-07	2.69E-07	0.00E+00	5.76E-07
1073	481479.43	3768208.64	2.9353E-06	1.2225E-06	0.00E+00	4.16E-06	2.90E-06	1.78E-06	0.00E+00	4.68E-06	5.33E-07	3.03E-07	0.00E+00	8.36E-07	2.98E-07	2.62E-07	0.00E+00	5.59E-07
1074	481469.92	3768208.6	2.8416E-06	1.1835E-06	0.00E+00	4.03E-06	2.81E-06	1.72E-06	0.00E+00	4.53E-06	5.16E-07	2.93E-07	0.00E+00	8.10E-07	2.88E-07	2.53E-07	0.00E+00	5.41E-07
1075	481460.41	3768208.56	2.7483E-06	1.1447E-06	0.00E+00	3.89E-06	2.72E-06	1.67E-06	0.00E+00	4.39E-06	4.99E-07	2.84E-07	0.00E+00	7.83E-07	2.79E-07	2.45E-07	0.00E+00	5.24E-07
1076	481450.9	3768208.52	2.6562E-06	1.1063E-06	0.00E+00	3.76E-06	2.63E-06	1.61E-06	0.00E+00	4.24E-06	4.83E-07	2.74E-07	0.00E+00	7.57E-07	2.69E-07	2.37E-07	0.00E+00	5.06E-07
1077	481441.39	3768208.48	2.5668E

1105	481479.47	3768198.8	2.6579E-06	0.000001107	0.00E+00	3.76E-06	2.63E-06	1.61E-06	0.00E+00	4.24E-06	4.83E-07	2.74E-07	0.00E+00	7.57E-07	2.70E-07	2.37E-07	0.00E+00	5.06E-07
1106	481469.96	3768198.76	2.5741E-06	1.0721E-06	0.00E+00	3.65E-06	2.55E-06	1.56E-06	0.00E+00	4.11E-06	4.68E-07	2.66E-07	0.00E+00	7.33E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1107	481460.45	3768198.72	0.000002491	1.0375E-06	0.00E+00	3.53E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.53E-07	2.57E-07	0.00E+00	7.10E-07	2.53E-07	2.22E-07	0.00E+00	4.75E-07
1108	481450.94	3768198.69	2.4096E-06	1.0036E-06	0.00E+00	3.41E-06	2.38E-06	1.46E-06	0.00E+00	3.84E-06	4.38E-07	2.49E-07	0.00E+00	6.87E-07	2.44E-07	2.15E-07	0.00E+00	4.59E-07
1109	481441.43	3768198.65	2.3305E-06	9.7064E-07	0.00E+00	3.30E-06	2.31E-06	1.41E-06	0.00E+00	3.72E-06	4.23E-07	2.41E-07	0.00E+00	6.64E-07	2.36E-07	2.08E-07	0.00E+00	4.44E-07
1110	481431.92	3768198.61	2.2539E-06	9.3872E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1111	481422.41	3768198.57	2.1804E-06	9.0814E-07	0.00E+00	3.09E-06	2.16E-06	1.32E-06	0.00E+00	3.48E-06	3.96E-07	2.25E-07	0.00E+00	6.21E-07	2.21E-07	1.94E-07	0.00E+00	4.15E-07
1112	481412.91	3768198.53	2.1112E-06	8.793E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1113	481403.4	3768198.49	2.0463E-06	8.5227E-07	0.00E+00	2.90E-06	2.02E-06	1.24E-06	0.00E+00	3.27E-06	3.72E-07	2.11E-07	0.00E+00	5.83E-07	2.08E-07	1.82E-07	0.00E+00	3.90E-07
1114	481393.89	3768198.45	0.000001986	8.2718E-07	0.00E+00	2.81E-06	1.97E-06	1.20E-06	0.00E+00	3.17E-06	3.61E-07	2.05E-07	0.00E+00	5.66E-07	2.01E-07	1.77E-07	0.00E+00	3.78E-07
1115	481384.38	3768198.41	1.9304E-06	8.0399E-07	0.00E+00	2.73E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.50E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
1116	481374.87	3768198.37	1.8793E-06	7.8271E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.41E-07	1.94E-07	0.00E+00	5.35E-07	1.91E-07	1.67E-07	0.00E+00	3.58E-07
1117	481365.36	3768198.33	0.000001833	7.6342E-07	0.00E+00	2.60E-06	1.81E-06	1.11E-06	0.00E+00	2.92E-06	3.33E-07	1.89E-07	0.00E+00	5.22E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
1118	481355.85	3768198.29	1.7916E-06	7.4617E-07	0.00E+00	2.54E-06	1.77E-06	1.09E-06	0.00E+00	2.86E-06	3.26E-07	1.85E-07	0.00E+00	5.10E-07	1.82E-07	1.60E-07	0.00E+00	3.41E-07
1119	481346.34	3768198.25	1.7551E-06	7.3098E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1120	481336.83	3768198.21	1.7227E-06	7.1751E-07	0.00E+00	2.44E-06	1.70E-06	1.04E-06	0.00E+00	2.75E-06	3.13E-07	1.78E-07	0.00E+00	4.91E-07	1.75E-07	1.53E-07	0.00E+00	3.28E-07
1121	481604.11	3768221.53	0.000004159	1.7322E-06	0.00E+00	5.89E-06	4.12E-06	2.52E-06	0.00E+00	6.64E-06	7.56E-07	4.29E-07	0.00E+00	1.18E-06	4.22E-07	3.71E-07	0.00E+00	7.92E-07
1122	481612.67	3768225.12	0.000004292	1.7876E-06	0.00E+00	6.08E-06	4.25E-06	2.60E-06	0.00E+00	6.85E-06	7.80E-07	4.43E-07	0.00E+00	1.22E-06	4.35E-07	3.82E-07	0.00E+00	8.18E-07
1123	481621.23	3768228.72	4.4138E-06	1.8383E-06	0.00E+00	6.25E-06	4.37E-06	2.67E-06	0.00E+00	7.04E-06	8.02E-07	4.56E-07	0.00E+00	1.26E-06	4.48E-07	3.93E-07	0.00E+00	8.41E-07
1124	481629.79	3768232.31	4.5234E-06	0.000001884	0.00E+00	6.41E-06	4.48E-06	2.74E-06	0.00E+00	7.22E-06	8.22E-07	4.67E-07	0.00E+00	1.29E-06	4.59E-07	4.03E-07	0.00E+00	8.62E-07
1125	481641.85	3768244.51	4.9481E-06	2.0609E-06	0.00E+00	7.01E-06	4.90E-06	3.00E-06	0.00E+00	7.90E-06	8.99E-07	5.11E-07	0.00E+00	1.41E-06	5.02E-07	4.41E-07	0.00E+00	9.43E-07
1126	481645.35	3768253.11	5.2821E-06	0.0000022	0.00E+00	7.48E-06	5.23E-06	3.20E-06	0.00E+00	8.43E-06	9.60E-07	5.45E-07	0.00E+00	1.50E-06	5.36E-07	4.71E-07	0.00E+00	1.01E-06
1127	481648.84	3768261.72	5.6252E-06	2.3429E-06	0.00E+00	7.97E-06	5.57E-06	3.41E-06	0.00E+00	8.98E-06	1.02E-06	5.81E-07	0.00E+00	1.60E-06	5.71E-07	5.01E-07	0.00E+00	1.07E-06
1128	481652.34	3768270.32	5.9727E-06	2.4876E-06	0.00E+00	8.46E-06	5.91E-06	3.62E-06	0.00E+00	9.53E-06	1.09E-06	6.16E-07	0.00E+00	1.70E-06	6.06E-07	5.32E-07	0.00E+00	1.14E-06
1129	481655.84	3768278.92	6.3203E-06	2.6324E-06	0.00E+00	8.95E-06	6.25E-06	3.83E-06	0.00E+00	1.01E-05	1.15E-06	6.52E-07	0.00E+00	1.80E-06	6.41E-07	5.63E-07	0.00E+00	1.20E-06
1130	481659.33	3768287.52	6.6629E-06	2.7751E-06	0.00E+00	9.44E-06	6.59E-06	4.04E-06	0.00E+00	1.06E-05	1.21E-06	6.88E-07	0.00E+00	1.90E-06	6.76E-07	5.94E-07	0.00E+00	1.27E-06
1131	481662.83	3768296.12	6.9919E-06	2.9121E-06	0.00E+00	9.90E-06	6.92E-06	4.24E-06	0.00E+00	1.12E-05	1.27E-06	7.22E-07	0.00E+00	1.99E-06	7.09E-07	6.23E-07	0.00E+00	1.33E-06
1132	481666.33	3768304.73	7.3037E-06	0.000003042	0.00E+00	1.03E-05	7.23E-06	4.43E-06	0.00E+00	1.17E-05	1.33E-06	7.54E-07	0.00E+00	2.08E-06	7.41E-07	6.51E-07	0.00E+00	1.39E-06
1133	481669.83	3768313.33	7.5913E-06	3.1617E-06	0.00E+00	1.08E-05	7.51E-06	4.60E-06	0.00E+00	1.21E-05	1.38E-06	7.84E-07	0.00E+00	2.16E-06	7.70E-07	6.76E-07	0.00E+00	1.45E-06
1134	481673.32	3768321.93	7.8498E-06	3.2694E-06	0.00E+00	1.11E-05	7.77E-06	4.76E-06	0.00E+00	1.25E-05	1.43E-06	8.10E-07	0.00E+00	2.24E-06	7.96E-07	6.99E-07	0.00E+00	1.50E-06
1135	481517.54	3768189.12	2.6978E-06	1.1236E-06	0.00E+00	3.82E-06	2.67E-06	1.63E-06	0.00E+00	4.30E-06	4.90E-07	2.78E-07	0.00E+00	7.69E-07	2.74E-07	2.40E-07	0.00E+00	5.14E-07
1136	481508.04	3768189.08	2.6275E-06	1.0943E-06	0.00E+00	3.72E-06	2.60E-06	1.59E-06	0.00E+00	4.19E-06	4.77E-07	2.71E-07	0.00E+00	7.49E-07	2.67E-07	2.34E-07	0.00E+00	5.01E-07
1137	481498.53	3768189.04	2.5588E-06	1.0657E-06	0.00E+00	3.62E-06	2.53E-06	1.55E-06	0.00E+00	4.08E-06	4.65E-07	2.64E-07	0.00E+00	7.29E-07	2.60E-07	2.28E-07	0.00E+00	4.88E-07
1138	481489.02	3768189	0.000002489	1.0367E-06	0.00E+00	3.53E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.52E-07	2.57E-07	0.00E+00	7.09E-07	2.52E-07	2.22E-07	0.00E+00	4.74E-07
1139	481479.51	3768188.97	2.4187E-06	1.0074E-06	0.00E+00	3.43E-06	2.39E-06	1.47E-06	0.00E+00	3.86E-06	4.39E-07	2.50E-07	0.00E+00	6.89E-07	2.45E-07	2.15E-07	0.00E+00	4.61E-07
1140	481470	3768188.93	2.3436E-06	9.7611E-07	0.00E+00	3.32E-06	2.32E-06	1.42E-06	0.00E+00	3.74E-06	4.26E-07	2.42E-07	0.00E+00	6.68E-07	2.38E-07	2.09E-07	0.00E+00	4.47E-07
1141	481460.49	3768188.89	2.2694E-06	9.452E-07	0.00E+00	3.21E-06	2.25E-06	1.38E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.47E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
1142	481450.98	3768188.85	2.1968E-06	9.1494E-07	0.00E+00	3.11E-06	2.17E-06	1.33E-06	0.00E+00	3.51E-06	3.99E-07	2.27E-07	0.00E+00	6.26E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
1143	481441.47	3768188.81	2.1266E-06	8.8572E-07	0.00E+00	3.01E-06	2.10E-06	1.29E-06	0.00E+00	3.39E-06	3.86E-07	2.20E-07	0.00E+00	6.06E-07	2.16E-07	1.89E-07	0.00E+00	4.05E-07
1144	481431.96	3768188.77	2.0588E-06	8.5746E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
1145	481422.45	3768188.73	1.9939E-06	8.3045E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
1146	481412.95	3768188.69	1.9328E-06	8.0499E-07	0.00E+00	2.74E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.51E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
1147	481403.44	3768188.65	1.8755E-06	7.8113E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	2.99E-06	3.41E-07	1.94E-07	0.00E+00	5.34E-07	1.90E-07	1.67E-07	0.00E+00	3.57E-07
1148	481393.93	3768188.61	1.8223E-06	7.5897E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.19E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
1149	481384.42	3768188.57	0.000001773	7.3846E-07	0.00E+00	2.51E-06	1.75E-06	1.07E-06	0.00E+00	2.83E-06	3.22E-07	1.83E-07	0.00E+00	5.05E-07	1.80E-07	1.58E-07	0.00E+00	3.38E-07
1150	481374.91	3768188.53	1.7278E-06	7.1962E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.76E-06	3.14E-07	1.78E-07	0.00E+00	4.92E-07	1.75E-07	1.54E-07	0.00E+00	3.29E-07
1151	481365.4	3768188.49	1.6866E-06	7.0247E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.81E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
1152	481355.89	3768188.45	1.6495E-06	6.8703E-07	0.00E+00	2.34E-06	1.63E-06	1.00E-06	0.00E+00	2.63E-06	3.00E-07	1.70E-07	0.00E+00	4.70E-07	1.67E-07	1.47E-07	0.00E+00	3.14E-07
1153	481346.38	3768188.41	1.6166E-06	6.7331E-07	0.00E+00	2.29E-06	1.60E-06	9.80E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
1154	481336.87	3768188.37	1.5872E-06	6.6107E-07	0.00E+00	2.25E-06	1.57E-06	9.62E-07	0.00E+00	2.53E-06	2.88E-07	1.64E-07	0.00E+00	4.52E-07	1.61E-07	1.41E-07	0.00E+00	3.02E-07
1155	481611.56	3768214.8	3.9112E-06	0.000001629	0.00E+00	5.54E-06	3.87E-06	2.37E-06	0.00E+00	6.24E-06	7.11E-07	4.04E-07	0.00E+00	1.11E-06	3.97E-07	3.48E-07	0.00E+00	7.45E-07
1156	481620.01	3768218.35	0.000004031	1.6789E-06	0.00E+00	5.71E-06	3.99E-06	2.44E-06	0.00E+00	6.43E-06	7.32E-07	4.16E-07	0.00E+00	1.15E-06	4.09E-07	3.59E-07	0.00E+00	7.68E-07
1157	481628.45	3768221.9	4.1413E-06	1.7248E-06	0.00E+00	5.87E-06	4.10E-06	2.51E-06	0.00E+00	6.61E-06	7.52E-07	4.27E-07	0.00E+00	1.18E-06	4.20E-07	3.69E-07	0.00E+00	7.89E-07
1158	481636.9	3768225.45	4.2443E-06	1.7677E-06	0.00E+00	6.01E-06	4.20E-06	2.57E-06	0.00E+00	6.77E-06	7.71E-07	4.38E-07	0.00E+00	1.21E-06	4.31E-07	3.78E-07	0.00E+00	8.09E-07
1159	481648.8	3768237.48	4.6268E-06	0.000001927	0.00E+00	6.55E-06	4.58E-06	2.80E-06	0.00E+00	7.38E-06	8.41E-07	4.78E-07	0.00E+00	1.32E-06	4.69E-07	4.12E-07	0.00E+00	8.82E-07
1160	481652.25	3768245.97	4.9267E-06	2.0519E-06	0.00E+00	6.98E-06	4.88E-06	2.99E-06	0.00E+00	7.86E-06	8.95E-07	5.09E-07	0.00E+00	1.40E-06	5.00E-07	4.39E-07	0.00E+00	9.39E-07
1161	481655.7	3768254.45	5.2342E-06	0.00000218	0.00E+00	7.41E-06	5.18E-06	3.17E-06	0.00E+00	8.35E-06	9.51E-07	5.40E-07	0.00E+00	1.49E-06	5.31E-07	4.66E-07	0.00E+00	9.97E-07
1162	481659.15	3768262.94	5.5473E-06	2.3104E-06	0.00E+00	7.86E-06	5.49E-06	3.36E-06	0.00E+00	8.85E-06	1.01E-06	5.73E-07	0.00E+00	1.58E-06	5.63E-07	4.94E-07	0.00E+00	1.06E-06
1163	481662.6	3768271.43	5.8601E-06	2.4407E-06	0.00E+00	8.30E-06	5.80E-06	3.55E-06	0.00E+00	9.35E-06	1.06E-06	6.05E-07	0.00E+00	1.67E-06	5.94E-07	5.22E-07	0.00E+00	1.12E-06
1164	481666.05	3768279.91	6.1691E-06	2.5694E-06	0.00E+00	8.74E-06	6.10E-06	3.74E-06	0.00E+00	9.84E-06	1.12E-06	6.37E-07	0.00E+00	1.76E-06	6.26E-07	5.50E-07	0.00E+00	1.18E-06
1165	481669.5	3768288.4	6.4709E-06	2.6951E-06	0.00E+00	9.17E-06	6.40E-06	3.92E-06	0.00E+00	1.03E-05	1.18E-06	6.68E-07	0.00E+00	1.84E-06	6.56E-07	5.77E-07	0.00E+00	1.23E-06
1166	481672.95	3768296.89	6.7604E-06	2.8157E-06	0.00E+00	9.58E-06	6.69E-06	4.10E-06	0.00E+00	1.08E-05	1.23E-06	6.98E-07	0.00E+00	1.93E-06	6.86E-07	6.02E-07	0.00E+00	1.29E-06
1167	481679.85	3768313.86	7.2811E-06	3.0325E-06	0.00E+00	1.03E-05	7.20E-06	4.41E-06	0.00E+00	1.16E-05	1.32E-06	7.52E-07	0.00E+00	2.07E-06	7.39E-07	6.49E-07	0.00E+00	1.39E-06
1168	481683.3	3768322.35	0.000007503	0.000003125	0.00E+00	1.06E-05	7.42E-06	4.55E-06	0.00E+00	1.20E-05	1.36E-06	7.74E-07	0.00E+00	2.14E-06	7.61E-07	6.68E-07	0.00E+00	1.43E-06
1169	481517.59	3768179.28	2.4649E-06	1.0266E-06	0.00E+00	3.49E-06	2.44E-06	1.49E-06	0.00E+00	3.93E-06	4.48E-07	2.54E-07	0.00E+00	7.02E-07	2.50E-07	2.20E-07	0.00E+00	4.70E-07
1170	481508.08	3768179.24	2.4005E-06	9.9979E-07	0.00E+00	3.40E-06	2.38E-06	1.45E-06	0.00E+00	3.83E-06	4.36E-07	2.48E-07	0.00E+00	6.84E-07	2.44E-07	2.14E-07	0.00E+00	4.57E-07
1171	481498.57	3768179.21	0.000002338	9.7375E-07	0.00E+00	3.31E-06	2.31E-06	1.42E-06	0.00E+00	3.73E-06	4.25E-07	2.41E-07	0.00E+00	6.66E-07	2.37E-07	2.08E-07	0.00E+00	4.45E-07
1172	481489.06	3768179.17	2.2745E-06	9.4732E-07	0.00E+00	3.22E-06	2.25E-06	1.38E-06	0.00E+00	3.63E-06	4.13E-07	2.35E-07	0.00E+00	6.48E-07	2.31E-07	2.03E-07	0.00E+00	4.33E-07
1173	481479.55	3768179.13	2.2107E-06	9.2076E-07	0.00E+00	3.13E-06	2.19E-06	1.34E-06	0.00E+00	3.53E-06	4.02E-07	2.28E-07	0.00E+00	6.30E-07	2.24E-07	1.97E-07	0.00E+00	4.21E-07
1174	481470.04	3768179.09	2.1433E-06	8.9267E-07	0.00E+00	3.04E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.89E-07	2.21E-07	0.00E+00	6.11E-07	2.17E-07	1.91E-07	0.00E+00	4.08E-07
1175	481460.53	3768179.05	2.0769E-06	8.6501E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.31E-06	3.77E-07	2.14E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
1176	481451.02	3768179.01	0.000002012	0.000000838	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.66E-07	2.08E-07	0.00E+00	5.73E-07	2.04E-07	1.79E-07	0.00E+00	3.83E-07
1177	481441.51	3768178.97	1.9495E-06	8.1197E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
1178	481432	3768178.93	1.8892E-06	7.8685E-07	0.00E+00	2.68E-06	1.87E-06	1.14E-06	0.00E+00	3.01E-06	3.43E-07	1.95E-07	0.00E+00	5.38E-07	1.92E-07	1.68E-07	0.00E+00	3.60E-07
1179	481422.5	3768178.89	1.8317E-06	7.6289E-07	0.00E+00	2.59E-06	1.81E-06	1.11E-06	0.00E+00	2.92E-06	3.33E-07	1.89E-07	0.00E+00	5.22E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
1180	481412.99	3768178.85	1.7774E-06	7.4026E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.23E-07	1.83E-07	0.00E+00	5.06E-07	1.80E-07	1.58E-07	0.00E+00	3.39E-07
1181	481403.48	3768178.81	1.7265E-06	7.191E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.75E-06	3.14E-07	1.78E-07	0.00E+00	4.92E-07	1.75E-07	1.54E-07	0.00E+00	3.29E-07
1182	481393.97	3768178.77	1.6793E-06	6.9941E-07	0.00E+00	2.38E-06	1.66E-06	1.02E-06	0.00E+00	2.68E-06	3.05E-07	1.73E-07	0.00E+00	4.78E-07	1.70E-07	1.50E-07	0.00E+00	3.20E-07
1183	481384.46	3768178.73	1.6355E-06	6.8118E-07	0.00E+00	2.32E-06	1.62E-06	9.91E-07	0.00E+00	2.61E-06	2.97E-07	1.69E-07	0.00E+00	4.66E-07	1.66E-07	1.46E-07	0.00E+00	3.12E-07
1184	481374.95	3768178.69	1.5952E-06	6.644E-07	0.00E+00	2.26E-06	1.58E-06	9.67E-07	0.00E+00	2.55E-06	2.90E-07	1.65E-07	0.00E+00	4.55E-07	1.62E-07	1.42E-07	0.00E+00	3.04E-07
1185	481365.44	3768178.65	1.5584E-06	6.4906E-07	0.00E+00	2.21E-06	1.54E-06	9.44E-07	0.00E+00	2.49E-06	2.83E-07	1.61E-07	0.00E+00	4.44E-07	1.58E-07	1.39E-07	0.00E+00	2.97E-07
1186	481355.93	3768178.61	1.5251E-06	6.352E-07	0.00E+00	2.16E-06	1.51E-06	9.24E-07	0.00E+00	2.43E-06	2.77E-07	1.57E-07	0.00E+00	4.35E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
1187	481346.42	3768178.57	1.4952E-06	6.2275E-07	0.00E+00	2.12E-06	1.48E-06	9.06E-07	0.00E+00	2.39E-06	2.72E-07	1.54E-07	0.00E+00	4.26E-07	1.52E-07	1.33E-07	0.00E+00	2.85E-07
1188	481336.91	3768178.53	1.4684E-06	6.1158E-07	0.00E+00	2.08E-06	1.45E-06	8.90E-07	0.00E+00	2.34E-06	2.67E-07	1.52E-07	0.00E+00	4.18E-07	1.49E-07	1.31E-07	0.00E+00	2.80E-07
1189	481552.18	3768180	0.000002689	1.1199E-06	0.00E+00	3.81E-06	2.66E-06	1.63E-06	0.00E+00	4.29E-06	4.89E-07	2.78E-07	0.00E+00	7.66E-07	2.73E-07	2.40E-07	0.00E+00	5.12E-07
1190	481560.52	3768183.51	0.000002816	1.1729E-06	0.00E+00	3.99E-06	2.79E-06	1.71E-06	0.00E+00	4.49E-06	5.12E-07	2.91E-07	0.00E+00	8.02E-07	2.86E-07	2.51E-07	0.00E+00	5.37E-07
1191	481610.61	3768204.55	3.5718E-06	1.4877E-06	0.00E+00	5.06E-06	3.53E-06	2.16E-06	0.00E+00	5.70E-06	6.49E-07	3.69E-07	0.00E+00	1.02E-06	3.62E-07	3.18E-07	0.00E+00	6.81E-07
1192	481618.96	3768208.05	3.6872E-06	1.5357E-06	0.00E+00	5.22E-06	3.65E-06	2.23E-06	0.00E+00	5.88E-06	6.70E-07	3.81E-07	0.00E+00	1.05E-06	3.74E-07	3.29E-07	0.00E+00	7.03E-07
1193	481627.3	3768211.56	3.7957E-06	1.5809E-06	0.00E+00	5.38E-06	3.76E-06	2.30E-06	0.00E+00	6.06E-06	6.90E-07	3.92E-07	0.00E+00	1.08E-06	3.85E-07	3.38E-07	0.00E+00	7.23E-07
1194	481635.65	3768215.06	3.8963E-06	1.6228E-06	0.00E+00	5.52E-06	3.86E-06	2.36E-06	0.00E+00	6.22E-06	7.08E-07	4.02E-07	0.00E+00	1.11E-06	3.95E-07	3.47E-07	0.00E+00	7.42E-07
1195	481644	3768218.57	0.00000399	1.6618E-06	0.00E+00	5.65E-06	3.95E-06	2.42E-06	0.00E+00	6.37E-06	7.25E-07	4.12E-07	0.00E+00	1.14E-06	4.05E-07	3.55E-07	0.00E+00	7.60E-07
1196	481655.75	3768230.46	4.3378E-06	1.8067E-06	0.00E+00	6.14E-06	4.29E-06	2.63E-06	0.00E+00	6.92E-06	7.88E-07	4.48E-07	0.00E+00	1.24E-06	4.40E-07	3.86E-07	0.00E+00	8.26E-07
1197	481662.57	3768247.24	4.8846E-06	2.0344E-06	0.00E+00	6.92E-06	4.83E-06	2.96E-06	0.00E+00	7.79E-06	8.88E-07	5.04E-07	0.00E+00	1.39E-06	4.95E-07	4.35E-07	0.00E+00	9.31E-07
1198	481669.39	3768264.01	5.4485E-06	2.2693E-06	0.00E+00	7.72E-06	5.39E-06	3.30E-06	0.00E+00	8.69E-06	9.90E-07	5.62E-07	0.00E+00	1.55E-06	5.53E-07	4.85E-07	0.00E+00	1.04E-06
1199	481672.8	3768272.4	5.7305E-06	2.3867E-06	0.00E+00	8.12E-06	5.67E-06	3.47E-06	0.00E+00	9.14E-06	1.04E-06	5.91E-07	0.00E+00	1.63E-06	5.81E-07	5.11E-07	0.00E+00	1.09E-06
1200	481679.62	3768289.17	6.2754E-06	2.

1228	481662.72	3768223.46	4.0745E-06	0.000001697	0.00E+00	5.77E-06		4.03E-06	2.47E-06	0.00E+00	6.50E-06		7.40E-07	4.21E-07	0.00E+00	1.16E-06		4.13E-07	3.63E-07	0.00E+00	7.76E-07
1229	481669.46	3768240.06	0.000004569	1.9029E-06	0.00E+00	6.47E-06		4.52E-06	2.77E-06	0.00E+00	7.29E-06		8.30E-07	4.72E-07	0.00E+00	1.30E-06		4.63E-07	4.07E-07	0.00E+00	8.71E-07
1230	481676.21	3768256.66	5.0814E-06	2.1164E-06	0.00E+00	7.20E-06		5.03E-06	3.08E-06	0.00E+00	8.11E-06		9.23E-07	5.24E-07	0.00E+00	1.45E-06		5.15E-07	4.53E-07	0.00E+00	9.68E-07
1231	481682.96	3768273.26	5.5933E-06	2.3296E-06	0.00E+00	7.92E-06		5.53E-06	3.39E-06	0.00E+00	8.92E-06		1.02E-06	5.77E-07	0.00E+00	1.59E-06		5.67E-07	4.98E-07	0.00E+00	1.07E-06
1232	481689.71	3768289.86	0.00000608	2.5323E-06	0.00E+00	8.61E-06		6.02E-06	3.68E-06	0.00E+00	9.70E-06		1.10E-06	6.28E-07	0.00E+00	1.73E-06		6.17E-07	5.42E-07	0.00E+00	1.16E-06
1233	481693.08	3768298.16	6.3073E-06	0.000002627	0.00E+00	8.93E-06		6.24E-06	3.82E-06	0.00E+00	1.01E-05		1.15E-06	6.51E-07	0.00E+00	1.80E-06		6.40E-07	5.62E-07	0.00E+00	1.20E-06
1234	481699.83	3768314.76	6.7085E-06	2.7941E-06	0.00E+00	9.50E-06		6.64E-06	4.07E-06	0.00E+00	1.07E-05		1.22E-06	6.92E-07	0.00E+00	1.91E-06		6.80E-07	5.98E-07	0.00E+00	1.28E-06
1235	481517.67	3768159.61	2.0805E-06	8.6653E-07	0.00E+00	2.95E-06		2.06E-06	1.26E-06	0.00E+00	3.32E-06		3.78E-07	2.15E-07	0.00E+00	5.93E-07		2.11E-07	1.85E-07	0.00E+00	3.96E-07
1236	481508.16	3768159.57	2.0265E-06	8.4402E-07	0.00E+00	2.87E-06		2.01E-06	1.23E-06	0.00E+00	3.23E-06		3.68E-07	2.09E-07	0.00E+00	5.77E-07		2.06E-07	1.81E-07	0.00E+00	3.86E-07
1237	481498.65	3768159.53	1.9741E-06	8.2221E-07	0.00E+00	2.80E-06		1.95E-06	1.20E-06	0.00E+00	3.15E-06		3.59E-07	2.04E-07	0.00E+00	5.62E-07		2.00E-07	1.76E-07	0.00E+00	3.76E-07
1238	481489.14	3768159.49	1.9215E-06	8.003E-07	0.00E+00	2.72E-06		1.90E-06	1.16E-06	0.00E+00	3.07E-06		3.49E-07	1.98E-07	0.00E+00	5.47E-07		1.95E-07	1.71E-07	0.00E+00	3.66E-07
1239	481479.63	3768159.45	1.8692E-06	7.7852E-07	0.00E+00	2.65E-06		1.85E-06	1.13E-06	0.00E+00	2.98E-06		3.40E-07	1.93E-07	0.00E+00	5.33E-07		1.90E-07	1.67E-07	0.00E+00	3.56E-07
1240	481470.12	3768159.41	1.8144E-06	7.557E-07	0.00E+00	2.57E-06		1.80E-06	1.10E-06	0.00E+00	2.90E-06		3.30E-07	1.87E-07	0.00E+00	5.17E-07		1.84E-07	1.62E-07	0.00E+00	3.46E-07
1241	481460.61	3768159.37	1.7608E-06	7.3335E-07	0.00E+00	2.49E-06		1.74E-06	1.07E-06	0.00E+00	2.81E-06		3.20E-07	1.82E-07	0.00E+00	5.02E-07		1.79E-07	1.57E-07	0.00E+00	3.35E-07
1242	481451.1	3768159.33	1.7086E-06	7.1162E-07	0.00E+00	2.42E-06		1.69E-06	1.04E-06	0.00E+00	2.73E-06		3.10E-07	1.76E-07	0.00E+00	4.87E-07		1.73E-07	1.52E-07	0.00E+00	3.26E-07
1243	481441.6	3768159.29	1.6585E-06	6.9075E-07	0.00E+00	2.35E-06		1.64E-06	1.01E-06	0.00E+00	2.65E-06		3.01E-07	1.71E-07	0.00E+00	4.73E-07		1.68E-07	1.48E-07	0.00E+00	3.16E-07
1244	481432.09	3768159.25	1.6102E-06	6.7065E-07	0.00E+00	2.28E-06		1.59E-06	9.76E-07	0.00E+00	2.57E-06		2.93E-07	1.66E-07	0.00E+00	4.59E-07		1.63E-07	1.43E-07	0.00E+00	3.07E-07
1245	481422.58	3768159.21	1.5642E-06	6.5148E-07	0.00E+00	2.22E-06		1.55E-06	9.48E-07	0.00E+00	2.50E-06		2.84E-07	1.61E-07	0.00E+00	4.46E-07		1.59E-07	1.39E-07	0.00E+00	2.98E-07
1246	481413.07	3768159.17	1.5208E-06	6.3341E-07	0.00E+00	2.15E-06		1.50E-06	9.22E-07	0.00E+00	2.43E-06		2.76E-07	1.57E-07	0.00E+00	4.33E-07		1.54E-07	1.35E-07	0.00E+00	2.90E-07
1247	481403.56	3768159.13	1.4802E-06	6.1648E-07	0.00E+00	2.10E-06		1.46E-06	8.97E-07	0.00E+00	2.36E-06		2.69E-07	1.53E-07	0.00E+00	4.22E-07		1.50E-07	1.32E-07	0.00E+00	2.82E-07
1248	481394.05	3768159.09	1.4423E-06	6.0073E-07	0.00E+00	2.04E-06		1.43E-06	8.74E-07	0.00E+00	2.30E-06		2.62E-07	1.49E-07	0.00E+00	4.11E-07		1.46E-07	1.29E-07	0.00E+00	2.75E-07
1249	481384.54	3768159.05	1.4072E-06	5.861E-07	0.00E+00	1.99E-06		1.39E-06	8.53E-07	0.00E+00	2.25E-06		2.56E-07	1.45E-07	0.00E+00	4.01E-07		1.43E-07	1.25E-07	0.00E+00	2.68E-07
1250	481375.03	3768159.01	1.3747E-06	5.7257E-07	0.00E+00	1.95E-06		1.36E-06	8.33E-07	0.00E+00	2.19E-06		2.50E-07	1.42E-07	0.00E+00	3.92E-07		1.39E-07	1.22E-07	0.00E+00	2.62E-07
1251	481365.52	3768158.98	1.3451E-06	5.6021E-07	0.00E+00	1.91E-06		1.33E-06	8.15E-07	0.00E+00	2.15E-06		2.44E-07	1.39E-07	0.00E+00	3.83E-07		1.36E-07	1.20E-07	0.00E+00	2.56E-07
1252	481356.01	3768158.94	1.3179E-06	5.4889E-07	0.00E+00	1.87E-06		1.30E-06	7.99E-07	0.00E+00	2.10E-06		2.39E-07	1.36E-07	0.00E+00	3.75E-07		1.34E-07	1.17E-07	0.00E+00	2.51E-07
1253	481346.51	3768158.9	1.2932E-06	5.3861E-07	0.00E+00	1.83E-06		1.28E-06	7.84E-07	0.00E+00	2.06E-06		2.35E-07	1.33E-07	0.00E+00	3.68E-07		1.31E-07	1.15E-07	0.00E+00	2.46E-07
1254	481337	3768158.86	1.2709E-06	5.293E-07	0.00E+00	1.80E-06		1.26E-06	7.70E-07	0.00E+00	2.03E-06		2.31E-07	1.31E-07	0.00E+00	3.62E-07		1.29E-07	1.13E-07	0.00E+00	2.42E-07
1255	481553.3	3768160.76	2.2862E-06	9.522E-07	0.00E+00	3.24E-06		2.26E-06	1.39E-06	0.00E+00	3.65E-06		4.15E-07	2.36E-07	0.00E+00	6.51E-07		2.32E-07	2.04E-07	0.00E+00	4.36E-07
1256	481562	3768164.42	2.3962E-06	0.000000998	0.00E+00	3.39E-06		2.37E-06	1.45E-06	0.00E+00	3.82E-06		4.35E-07	2.47E-07	0.00E+00	6.83E-07		2.43E-07	2.13E-07	0.00E+00	4.57E-07
1257	481570.69	3768168.07	2.5076E-06	1.0444E-06	0.00E+00	3.55E-06		2.48E-06	1.52E-06	0.00E+00	4.00E-06		4.56E-07	2.59E-07	0.00E+00	7.14E-07		2.54E-07	2.23E-07	0.00E+00	4.78E-07
1258	481579.39	3768171.72	0.00000262	1.0912E-06	0.00E+00	3.71E-06		2.59E-06	1.59E-06	0.00E+00	4.18E-06		4.76E-07	2.70E-07	0.00E+00	7.46E-07		2.66E-07	2.33E-07	0.00E+00	4.99E-07
1259	481588.08	3768175.37	2.7324E-06	0.000001138	0.00E+00	3.87E-06		2.70E-06	1.66E-06	0.00E+00	4.36E-06		4.96E-07	2.82E-07	0.00E+00	7.79E-07		2.77E-07	2.43E-07	0.00E+00	5.21E-07
1260	481596.78	3768179.03	2.8442E-06	1.1846E-06	0.00E+00	4.03E-06		2.81E-06	1.72E-06	0.00E+00	4.54E-06		5.17E-07	2.94E-07	0.00E+00	8.10E-07		2.89E-07	2.53E-07	0.00E+00	5.42E-07
1261	481614.17	3768186.33	3.0664E-06	1.2771E-06	0.00E+00	4.34E-06		3.03E-06	1.86E-06	0.00E+00	4.89E-06		5.57E-07	3.16E-07	0.00E+00	8.74E-07		3.11E-07	2.73E-07	0.00E+00	5.84E-07
1262	481622.86	3768189.98	3.1732E-06	1.3216E-06	0.00E+00	4.49E-06		3.14E-06	1.92E-06	0.00E+00	5.06E-06		5.77E-07	3.28E-07	0.00E+00	9.04E-07		3.22E-07	2.83E-07	0.00E+00	6.05E-07
1263	481631.56	3768193.63	0.000003275	0.000001364	0.00E+00	4.64E-06		3.24E-06	1.98E-06	0.00E+00	5.23E-06		5.95E-07	3.38E-07	0.00E+00	9.33E-07		3.32E-07	2.92E-07	0.00E+00	6.24E-07
1264	481640.25	3768197.29	3.3693E-06	1.4033E-06	0.00E+00	4.77E-06		3.33E-06	2.04E-06	0.00E+00	5.38E-06		6.12E-07	3.48E-07	0.00E+00	9.60E-07		3.42E-07	3.00E-07	0.00E+00	6.42E-07
1265	481648.95	3768200.94	0.000003458	1.4402E-06	0.00E+00	4.90E-06		3.42E-06	2.10E-06	0.00E+00	5.52E-06		6.28E-07	3.57E-07	0.00E+00	9.85E-07		3.51E-07	3.08E-07	0.00E+00	6.59E-07
1266	481657.64	3768204.59	3.5408E-06	1.4747E-06	0.00E+00	5.02E-06		3.50E-06	2.15E-06	0.00E+00	5.65E-06		6.43E-07	3.65E-07	0.00E+00	1.01E-06		3.59E-07	3.15E-07	0.00E+00	6.75E-07
1267	481669.89	3768216.98	3.8476E-06	1.6025E-06	0.00E+00	5.45E-06		3.81E-06	2.33E-06	0.00E+00	6.14E-06		6.99E-07	3.97E-07	0.00E+00	1.10E-06		3.90E-07	3.43E-07	0.00E+00	7.33E-07
1268	481673.44	3768225.72	4.0856E-06	1.7017E-06	0.00E+00	5.79E-06		4.04E-06	2.48E-06	0.00E+00	6.52E-06		7.42E-07	4.22E-07	0.00E+00	1.16E-06		4.14E-07	3.64E-07	0.00E+00	7.78E-07
1269	481676.99	3768234.45	0.000004328	1.8026E-06	0.00E+00	6.13E-06		4.28E-06	2.62E-06	0.00E+00	6.91E-06		7.86E-07	4.47E-07	0.00E+00	1.23E-06		4.39E-07	3.86E-07	0.00E+00	8.25E-07
1270	481680.55	3768243.19	4.5754E-06	1.9056E-06	0.00E+00	6.48E-06		4.53E-06	2.77E-06	0.00E+00	7.30E-06		8.31E-07	4.72E-07	0.00E+00	1.30E-06		4.64E-07	4.08E-07	0.00E+00	8.72E-07
1271	481684.1	3768251.93	4.8256E-06	2.0098E-06	0.00E+00	6.84E-06		4.78E-06	2.92E-06	0.00E+00	7.70E-06		8.77E-07	4.98E-07	0.00E+00	1.37E-06		4.89E-07	4.30E-07	0.00E+00	9.19E-07
1272	481687.65	3768260.66	5.0756E-06	0.000002114	0.00E+00	7.19E-06		5.02E-06	3.08E-06	0.00E+00	8.10E-06		9.22E-07	5.24E-07	0.00E+00	1.45E-06		5.15E-07	4.52E-07	0.00E+00	9.67E-07
1273	481691.2	3768269.4	5.3236E-06	2.2172E-06	0.00E+00	7.54E-06		5.27E-06	3.23E-06	0.00E+00	8.49E-06		9.67E-07	5.49E-07	0.00E+00	1.52E-06		5.40E-07	4.74E-07	0.00E+00	1.01E-06
1274	481694.75	3768278.13	5.5663E-06	2.3183E-06	0.00E+00	7.88E-06		5.51E-06	3.37E-06	0.00E+00	8.88E-06		1.01E-06	5.75E-07	0.00E+00	1.59E-06		5.65E-07	4.96E-07	0.00E+00	1.06E-06
1275	481698.31	3768286.87	5.7995E-06	2.4155E-06	0.00E+00	8.22E-06		5.74E-06	3.51E-06	0.00E+00	9.25E-06		1.05E-06	5.99E-07	0.00E+00	1.65E-06		5.88E-07	5.17E-07	0.00E+00	1.10E-06
1276	481701.86	3768295.61	6.0197E-06	2.5072E-06	0.00E+00	8.53E-06		5.96E-06	3.65E-06	0.00E+00	9.60E-06		1.09E-06	6.21E-07	0.00E+00	1.72E-06		6.11E-07	5.36E-07	0.00E+00	1.15E-06
1277	481705.41	3768304.34	6.2226E-06	2.5917E-06	0.00E+00	8.81E-06		6.16E-06	3.77E-06	0.00E+00	9.93E-06		1.13E-06	6.42E-07	0.00E+00	1.77E-06		6.31E-07	5.54E-07	0.00E+00	1.19E-06
1278	481708.96	3768313.08	6.4056E-06	2.6679E-06	0.00E+00	9.07E-06		6.34E-06	3.88E-06	0.00E+00	1.02E-05		1.16E-06	6.61E-07	0.00E+00	1.83E-06		6.50E-07	5.71E-07	0.00E+00	1.22E-06
1279	481712.51	3768321.82	0.000006565	2.7343E-06	0.00E+00	9.30E-06		6.50E-06	3.98E-06	0.00E+00	1.05E-05		1.19E-06	6.78E-07	0.00E+00	1.87E-06		6.66E-07	5.85E-07	0.00E+00	1.25E-06
1280	481517.71	3768149.77	0.000001921	8.0008E-07	0.00E+00	2.72E-06		1.90E-06	1.16E-06	0.00E+00	3.07E-06		3.49E-07	1.98E-07	0.00E+00	5.47E-07		1.95E-07	1.71E-07	0.00E+00	3.66E-07
1281	481508.2	3768149.73	1.8714E-06	7.7944E-07	0.00E+00	2.65E-06		1.85E-06	1.13E-06	0.00E+00	2.99E-06		3.40E-07	1.93E-07	0.00E+00	5.33E-07		1.90E-07	1.67E-07	0.00E+00	3.57E-07
1282	481498.69	3768149.69	1.8235E-06	7.5946E-07	0.00E+00	2.58E-06		1.80E-06	1.11E-06	0.00E+00	2.91E-06		3.31E-07	1.88E-07	0.00E+00	5.20E-07		1.85E-07	1.62E-07	0.00E+00	3.47E-07
1283	481489.18	3768149.65	1.7756E-06	7.3953E-07	0.00E+00	2.52E-06		1.76E-06	1.08E-06	0.00E+00	2.83E-06		3.23E-07	1.83E-07	0.00E+00	5.06E-07		1.80E-07	1.58E-07	0.00E+00	3.38E-07
1284	481479.67	3768149.61	1.7281E-06	7.1973E-07	0.00E+00	2.45E-06		1.71E-06	1.05E-06	0.00E+00	2.76E-06		3.14E-07	1.78E-07	0.00E+00	4.92E-07		1.75E-07	1.54E-07	0.00E+00	3.29E-07
1285	481470.16	3768149.57	1.6785E-06	6.991E-07	0.00E+00	2.38E-06		1.66E-06	1.02E-06	0.00E+00	2.68E-06		3.05E-07	1.73E-07	0.00E+00	4.78E-07		1.70E-07	1.50E-07	0.00E+00	3.20E-07
1286	481460.65	3768149.53	1.6301E-06	6.7893E-07	0.00E+00	2.31E-06		1.61E-06	9.88E-07	0.00E+00	2.60E-06		2.96E-07	1.68E-07	0.00E+00	4.64E-07		1.65E-07	1.45E-07	0.00E+00	3.11E-07
1287	481451.15	3768149.49	1.5831E-06	6.5935E-07	0.00E+00	2.24E-06		1.57E-06	9.59E-07	0.00E+00	2.53E-06		2.88E-07	1.63E-07	0.00E+00	4.51E-07		1.61E-07	1.41E-07	0.00E+00	3.02E-07
1288	481441.64	3768149.45	1.5379E-06	6.4054E-07	0.00E+00	2.18E-06		1.52E-06	9.32E-07	0.00E+00	2.45E-06		2.79E-07	1.59E-07	0.00E+00	4.38E-07		1.56E-07	1.37E-07	0.00E+00	2.93E-07
1289	481432.13	3768149.41	1.4945E-06	6.2245E-07	0.00E+00	2.12E-06		1.48E-06	9.06E-07	0.00E+00	2.38E-06		2.72E-07	1.54E-07	0.00E+00	4.26E-07		1.52E-07	1.33E-07	0.00E+00	2.85E-07
1290	481422.62	3768149.37	1.4531E-06	6.0521E-07	0.00E+00	2.06E-06		1.44E-06	8.81E-07	0.00E+00	2.32E-06		2.64E-07	1.50E-07	0.00E+00	4.14E-07		1.47E-07	1.29E-07	0.00E+00	2.77E-07
1291	481413.11	3768149.33	1.4141E-06	5.8895E-07	0.00E+00	2.00E-06		1.40E-06	8.57E-07	0.00E+00	2.26E-06		2.57E-07	1.46E-07	0.00E+00	4.03E-07		1.43E-07	1.26E-07	0.00E+00	2.69E-07
1292	481403.6	3768149.29	1.3775E-06	5.7371E-07	0.00E+00	1.95E-06		1.36E-06	8.35E-07	0.00E+00	2.20E-06		2.50E-07	1.42E-07	0.00E+00	3.92E-07		1.40E-07	1.23E-07	0.00E+00	2.62E-07
1293	481394.09	3768149.26	1.3435E-06	5.5956E-07	0.00E+00	1.90E-06		1.33E-06	8.14E-07	0.00E+00	2.14E-06		2.44E-07	1.39E-07	0.00E+00	3.83E-07		1.36E-07	1.20E-07	0.00E+00	2.56E-07
1294	481384.58	3768149.22	1.3118E-06	5.4636E-07	0.00E+00	1.86E-06		1.30E-06	7.95E-07	0.00E+00	2.09E-06		2.38E-07	1.35E-07	0.00E+00	3.74E-07		1.33E-07	1.17E-07	0.00E+00	2.50E-07
1295	481375.07	3768149.18	1.2825E-06	5.3414E-07	0.00E+00	1.82E-06		1.27E-06	7.77E-07	0.00E+00	2.05E-06		2.33E-07	1.32E-07	0.00E+00	3.65E-07		1.30E-07	1.14E-07	0.00E+00	2.44E-07
1296	481365.56	3768149.14	1.2555E-06	5.2292E-07	0.00E+00	1.78E-06		1.24E-06	7.61E-07	0.00E+00	2.00E-06		2.28E-07	1.30E-07	0.00E+00	3.58E-07		1.27E-07	1.12E-07	0.00E+00	2.39E-07
1297	481356.06	3768149.1	1.2309E-06	5.1265E-07	0.00E+00	1.74E-06		1.22E-06	7.46E-07	0.00E+00	1.96E-06		2.24E-07	1.27E-07	0.00E+00	3.51E-07		1.25E-07	1.10E-07	0.00E+00	2.35E-07
1298	481346.55	3768149.06	1.2084E-06	5.033E-07	0.00E+00	1.71E-06		1.20E-06	7.32E-07	0.00E+00	1.93E-06		2.20E-07	1.25E-07	0.00E+00	3.44E-07		1.23E-07	1.08E-07	0.00E+00	2.30E-07
1299	481337.04	3768149.02	0.000001188	4.9481E-07	0.00E+00	1.68E-06		1.18E-06	7.20E-07	0.00E+00	1.90E-06		2.16E-07	1.23E-07	0.00E+00	3.38E-07		1.21E-07	1.06E-07	0.00E+00	2.26E-07
1300	481553.04	3768150.8	0.000002108	8.7796E-07	0.00E+00	2.99E-06		2.09E-06	1.28E-06	0.00E+00	3.36E-06		3.83E-07	2.18E-07	0.00E+00	6.01E-07		2.14E-07	1.88E-07	0.00E+00	4.02E-07
1301	481561.63	3768154.41	2.2069E-06	9.1915E-07	0.00E+00	3.13E-06		2.18E-06	1.34E-06	0.00E+00	3.52E-06		4.01E-07	2.28E-07	0.00E+00	6.29E-07		2.24E-07	1.97E-07	0.00E+00	4.20E-07
1302	481570.22	3768158.02	2.3075E-06	9.6107E-07	0.00E+00	3.27E-06		2.28E-06	1.40E-06	0.00E+00	3.68E-06		4.19E-07	2.38E-07	0.00E+00	6.57E-07		2.34E-07	2.06E-07	0.00E+00	4.40E-07
1303	481578.81	3768161.62	2.4092E-06	1.0034E-06	0.00E+00	3.41E-06		2.38E-06	1.46E-06	0.00E+00	3.84E-06		4.38E-07	2.49E-07	0.00E+00	6.86E-07		2.44E-07	2.15E-07	0.00E+00	4.59E-07
1304	481587.41	3768165.23	2.5117E-06	1.0461E-06	0.00E+00	3.56E-06		2.49E-06	1.52E-06	0.00E+00	4.01E-06		4.56E-07	2.59E-07	0.00E+00	7.16E-07		2.55E-07	2.24E-07	0.00E+00	4.79E-07
1305	481596	3768168.84	0.000002614	1.0887E-06	0.00E+00	3.70E-06		2.59E-06	1.58E-06	0.00E+00	4.17E-06		4.75E-07	2.70E-07	0.00E+00	7.45E-07		2.65E-07	2.33E-07	0.00E+00	4.98E-07
1306	481604.59	3768172.45	2.7168E-06	1.1315E-06	0.00E+00	3.85E-06		2.69E-06	1.65E-06	0.00E+00	4.33E-06		4.94E-07	2.80E-07	0.00E+00	7.74E-07		2.76E-07	2.42E-07	0.00E+00	5.18E-07
1307	481613.19	3768176.06	2.8192E-06	1.1742E-06	0.00E+00	3.99E-06		2.79E-06	1.71E-06	0.00E+00	4.50E-06		5.12E-07	2.91E-07	0.00E+00	8.03E-07		2.86E-07	2.51E-07	0.00E+00	5.37E-07
1308	481621.78	3768179.67	2.9193E-06	1.2159E-06	0.00E+00	4.14E-06		2.89E-06	1.77E-06	0.00E+00	4.66E-06		5.30E-07	3.01E-07	0.00E+00	8.32E-07		2.96E-07	2.60E-07	0.00E+00	5.56E-07
1309	481630.37	3768183.28	3.0161E-06	1.2562E-06	0.00E+00	4.27E-06		2.98E-06	1.83E-06	0.00E+00	4.81E-06		5.48E-07	3.11E-07	0.00E+00	8.59E-07		3.06E-07	2.69E-07	0.00E+00	5.75E-07
1310	481638.96	3768186.89	3.1062E-06	1.2937E-06	0.00E+00	4.40E-06		3.07E-06	1.88E-06	0.00E+00	4.96E-06		5.64E-07	3.21E-07	0.00E+00	8.85E-07		3.15E-07	2.77E-07	0.00E+00	5.92E-07
1311	481647.56	3768190.5	3.1916E-06	1.3293E-06	0.00E+00	4.52E-06		3.16E-06	1.93E-06	0.00E+00	5.09E-06		5.80E-07	3.29E-07	0.00E+00	9.09E-07		3.24E-07	2.84E-07	0.00E+00	6.08E-07
1312	481656.15	3768194.11	3.2718E-06	1.3627E-06	0.00E+00	4.63E-06		3.24E-06	1.98E-06	0.00E+00	5.22E-06		5.94E-07	3.38E-07	0.00E+00	9.32E-07		3.32E-07	2.91E-07	0.00E+00	6.23E-07
1313	481664.74	3768197.72	0.000003348	1.3944E-06	0.00E+00	4.74E-06		3.31E-06	2.03E-06	0.00E+00	5.34E-06		6.08E-07	3.46E-07	0.00E+00	9.54E-07		3.40E-07	2.98E-07	0.00E+00	6.38E-07
1314	481676.85	3768209.96	3.6281E-06	1.5111E-06	0.00E+00	5.14E-06		3.59E-06	2.20E-06	0.00E+00	5.79E-06		6.59E-07	3.74E-07	0.00E+00	1.03E-06		3.68E-07	3.23E-07	0.00E+00	6.91E-07
1315	481680.36	3768218.59	3.8437E-06	1.6009E-06	0.00E+00	5.44E-06		3.80E-06	2.33E-06	0.00E+00	6.13E-06		6.98E-07	3.97E-07	0.00E+00	1.10E-06		3.90E-07	3.42E-07	0.00E+00	7.32E-07
1316	481683.87	3768227.23	4.0652E-06	1.6931E-06	0.00E+00	5.76E-06		4.02E-06	2.46E-06	0.00E+00	6.49E-06		7.39E-07	4.20E-07	0.00E+00	1.16E-06		4.12E-07	3.62E-07	0.00E+00	7.75E-07
1317	481687.38	3768235.86	4.2903E-06	1.7869E-06	0.00E+00	6.08E-06		4.25E-06	2.60E-06	0.00E+00	6.85E-06		7.80E-07	4.43E-07	0.00E+00	1.22E-06		4.35E-07	3.82E-07	0.00E+00	8.17E-07
1318	481690.89	3768244.49	4.5188E-06	1.8821E-06	0.00E+00	6.40E-06		4.47E-06	2.74E-06	0.00E+00	7.21E-06		8.21E-07	4.66E-07	0.00E+00	1.29E-06		4.58E-07	4.03E-07	0.00E+00	8.61E-07
1319	481694.4	3768253.13	4.7497E-06	1.9782E-06	0.00E+00	6.73E-06		4.70E-06	2.88E-06	0.00E+00	7.58E-06		8.63E-07	4.90E-07	0.00E+00	1.35E-06		4.82E-07	4.23E-07	0.00E+00	9.05E-07
1320	481697.91	3768261.76	4.9788E-06	2.0736E-06	0.00E+00	7.05E-06		4.93E-06	3.02E-06	0.00E+00	7.94E-06		9.05E-07	5.14E-07	0.00E+00	1.42E-06		5.05E-07	4.44E-07	0.00E+00	9.49E-07
1321	481701.42	3768270.4	0.000005204	2.1675E-06	0.00E+00	7.37E-06		5.15E-06	3.15E-06	0.

1351	481578.31	3768151.56	2.2221E-06	9.2548E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.29E-07	0.00E+00	6.33E-07	2.25E-07	1.98E-07	0.00E+00	4.23E-07
1352	481586.81	3768155.13	2.3154E-06	9.6436E-07	0.00E+00	3.28E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.21E-07	2.39E-07	0.00E+00	6.60E-07	2.35E-07	2.06E-07	0.00E+00	4.41E-07
1353	481595.31	3768158.7	0.000002409	1.0033E-06	0.00E+00	3.41E-06	2.38E-06	1.46E-06	0.00E+00	3.84E-06	4.38E-07	2.49E-07	0.00E+00	6.86E-07	2.44E-07	2.15E-07	0.00E+00	4.59E-07
1354	481603.82	3768162.27	2.5034E-06	1.0427E-06	0.00E+00	3.55E-06	2.48E-06	1.52E-06	0.00E+00	3.99E-06	4.55E-07	2.58E-07	0.00E+00	7.13E-07	2.54E-07	2.23E-07	0.00E+00	4.77E-07
1355	481612.32	3768165.84	2.5981E-06	1.0821E-06	0.00E+00	3.68E-06	2.57E-06	1.57E-06	0.00E+00	4.15E-06	4.72E-07	2.68E-07	0.00E+00	7.40E-07	2.64E-07	2.31E-07	0.00E+00	4.95E-07
1356	481620.82	3768169.41	2.6913E-06	1.1209E-06	0.00E+00	3.81E-06	2.66E-06	1.63E-06	0.00E+00	4.29E-06	4.89E-07	2.78E-07	0.00E+00	7.67E-07	2.73E-07	2.40E-07	0.00E+00	5.13E-07
1357	481629.32	3768172.98	2.7823E-06	1.1588E-06	0.00E+00	3.94E-06	2.75E-06	1.69E-06	0.00E+00	4.44E-06	5.06E-07	2.87E-07	0.00E+00	7.93E-07	2.82E-07	2.48E-07	0.00E+00	5.30E-07
1358	481637.82	3768176.55	2.8682E-06	1.1946E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.56E-07	0.00E+00	5.46E-07
1359	481646.32	3768180.12	2.9503E-06	1.2288E-06	0.00E+00	4.18E-06	2.92E-06	1.79E-06	0.00E+00	4.71E-06	5.36E-07	3.05E-07	0.00E+00	8.41E-07	2.99E-07	2.63E-07	0.00E+00	5.62E-07
1360	481654.83	3768183.7	3.0285E-06	1.2614E-06	0.00E+00	4.29E-06	3.00E-06	1.84E-06	0.00E+00	4.83E-06	5.50E-07	3.13E-07	0.00E+00	8.63E-07	3.07E-07	2.70E-07	0.00E+00	5.77E-07
1361	481663.33	3768187.27	3.1029E-06	1.2923E-06	0.00E+00	4.40E-06	3.07E-06	1.88E-06	0.00E+00	4.95E-06	5.64E-07	3.20E-07	0.00E+00	8.84E-07	3.15E-07	2.76E-07	0.00E+00	5.91E-07
1362	481671.83	3768190.84	3.1737E-06	1.3218E-06	0.00E+00	4.50E-06	3.14E-06	1.92E-06	0.00E+00	5.06E-06	5.77E-07	3.28E-07	0.00E+00	9.04E-07	3.22E-07	2.83E-07	0.00E+00	6.05E-07
1363	481683.81	3768202.95	0.000003429	1.4282E-06	0.00E+00	4.86E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.77E-07	3.48E-07	3.06E-07	0.00E+00	6.53E-07
1364	481687.28	3768211.49	3.6254E-06	0.00000151	0.00E+00	5.14E-06	3.59E-06	2.20E-06	0.00E+00	5.78E-06	6.59E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.91E-07
1365	481690.75	3768220.04	3.8274E-06	1.5941E-06	0.00E+00	5.42E-06	3.79E-06	2.32E-06	0.00E+00	6.11E-06	6.95E-07	3.95E-07	0.00E+00	1.09E-06	3.88E-07	3.41E-07	0.00E+00	7.29E-07
1366	481694.22	3768228.58	4.0346E-06	1.6804E-06	0.00E+00	5.72E-06	3.99E-06	2.45E-06	0.00E+00	6.44E-06	7.33E-07	4.16E-07	0.00E+00	1.15E-06	4.09E-07	3.59E-07	0.00E+00	7.69E-07
1367	481697.7	3768237.12	4.2448E-06	1.7679E-06	0.00E+00	6.01E-06	4.20E-06	2.57E-06	0.00E+00	6.77E-06	7.71E-07	4.38E-07	0.00E+00	1.21E-06	4.31E-07	3.78E-07	0.00E+00	8.09E-07
1368	481701.17	3768245.66	4.4565E-06	1.8561E-06	0.00E+00	6.31E-06	4.41E-06	2.70E-06	0.00E+00	7.11E-06	8.10E-07	4.60E-07	0.00E+00	1.27E-06	4.52E-07	3.97E-07	0.00E+00	8.49E-07
1369	481704.64	3768254.21	4.6681E-06	1.9442E-06	0.00E+00	6.61E-06	4.62E-06	2.83E-06	0.00E+00	7.45E-06	8.48E-07	4.82E-07	0.00E+00	1.33E-06	4.74E-07	4.16E-07	0.00E+00	8.89E-07
1370	481708.12	3768262.75	4.8766E-06	2.0311E-06	0.00E+00	6.91E-06	4.83E-06	2.96E-06	0.00E+00	7.78E-06	8.86E-07	5.03E-07	0.00E+00	1.39E-06	4.95E-07	4.34E-07	0.00E+00	9.29E-07
1371	481711.59	3768271.29	0.00000508	2.1158E-06	0.00E+00	7.20E-06	5.03E-06	3.08E-06	0.00E+00	8.11E-06	9.23E-07	5.24E-07	0.00E+00	1.45E-06	5.15E-07	4.53E-07	0.00E+00	9.68E-07
1372	481715.06	3768279.83	5.2757E-06	2.1973E-06	0.00E+00	7.47E-06	5.22E-06	3.20E-06	0.00E+00	8.42E-06	9.59E-07	5.45E-07	0.00E+00	1.50E-06	5.35E-07	4.70E-07	0.00E+00	1.01E-06
1373	481718.53	3768288.37	5.4612E-06	2.2746E-06	0.00E+00	7.74E-06	5.40E-06	3.31E-06	0.00E+00	8.71E-06	9.92E-07	5.64E-07	0.00E+00	1.56E-06	5.54E-07	4.87E-07	0.00E+00	1.04E-06
1374	481722.01	3768296.92	5.6328E-06	0.000002346	0.00E+00	7.98E-06	5.57E-06	3.41E-06	0.00E+00	8.99E-06	1.02E-06	5.81E-07	0.00E+00	1.60E-06	5.71E-07	5.02E-07	0.00E+00	1.07E-06
1375	481725.48	3768305.46	5.7881E-06	2.4107E-06	0.00E+00	8.20E-06	5.73E-06	3.51E-06	0.00E+00	9.24E-06	1.05E-06	5.97E-07	0.00E+00	1.65E-06	5.87E-07	5.16E-07	0.00E+00	1.10E-06
1376	481728.95	3768314	5.9257E-06	0.000002468	0.00E+00	8.39E-06	5.86E-06	3.59E-06	0.00E+00	9.45E-06	1.08E-06	6.12E-07	0.00E+00	1.69E-06	6.01E-07	5.28E-07	0.00E+00	1.13E-06
1377	481732.43	3768322.54	0.000006043	2.5169E-06	0.00E+00	8.56E-06	5.98E-06	3.66E-06	0.00E+00	9.64E-06	1.10E-06	6.24E-07	0.00E+00	1.72E-06	6.13E-07	5.38E-07	0.00E+00	1.15E-06
1378	481517.79	3768130.09	1.6525E-06	6.8825E-07	0.00E+00	2.34E-06	1.64E-06	1.00E-06	0.00E+00	2.64E-06	3.00E-07	1.71E-07	0.00E+00	4.71E-07	1.68E-07	1.47E-07	0.00E+00	3.15E-07
1379	481508.28	3768130.05	1.6107E-06	6.7084E-07	0.00E+00	2.28E-06	1.59E-06	9.76E-07	0.00E+00	2.57E-06	2.93E-07	1.66E-07	0.00E+00	4.59E-07	1.63E-07	1.44E-07	0.00E+00	3.07E-07
1380	481498.77	3768130.01	1.5705E-06	6.541E-07	0.00E+00	2.22E-06	1.55E-06	9.52E-07	0.00E+00	2.51E-06	2.85E-07	1.62E-07	0.00E+00	4.47E-07	1.59E-07	1.40E-07	0.00E+00	2.99E-07
1381	481489.26	3768129.97	1.5305E-06	6.3746E-07	0.00E+00	2.17E-06	1.51E-06	9.28E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.92E-07
1382	481479.75	3768129.93	0.000001491	6.2101E-07	0.00E+00	2.11E-06	1.48E-06	9.04E-07	0.00E+00	2.38E-06	2.71E-07	1.54E-07	0.00E+00	4.25E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
1383	481470.25	3768129.89	1.4502E-06	6.0402E-07	0.00E+00	2.05E-06	1.44E-06	8.79E-07	0.00E+00	2.31E-06	2.64E-07	1.50E-07	0.00E+00	4.13E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
1384	481460.74	3768129.85	1.4104E-06	5.8744E-07	0.00E+00	2.00E-06	1.40E-06	8.55E-07	0.00E+00	2.25E-06	2.56E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1385	481451.23	3768129.81	1.3719E-06	5.7137E-07	0.00E+00	1.94E-06	1.36E-06	8.31E-07	0.00E+00	2.19E-06	2.49E-07	1.42E-07	0.00E+00	3.91E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
1386	481441.72	3768129.78	0.000001335	5.5601E-07	0.00E+00	1.89E-06	1.32E-06	8.09E-07	0.00E+00	2.13E-06	2.43E-07	1.38E-07	0.00E+00	3.80E-07	1.35E-07	1.19E-07	0.00E+00	2.54E-07
1387	481432.21	3768129.74	1.2994E-06	5.4121E-07	0.00E+00	1.84E-06	1.29E-06	7.87E-07	0.00E+00	2.07E-06	2.36E-07	1.34E-07	0.00E+00	3.70E-07	1.32E-07	1.16E-07	0.00E+00	2.48E-07
1388	481422.7	3768129.7	1.2655E-06	5.2709E-07	0.00E+00	1.79E-06	1.25E-06	7.67E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.61E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1389	481413.19	3768129.66	1.2336E-06	5.1379E-07	0.00E+00	1.75E-06	1.22E-06	7.48E-07	0.00E+00	1.97E-06	2.24E-07	1.27E-07	0.00E+00	3.51E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
1390	481403.68	3768129.62	1.2036E-06	5.013E-07	0.00E+00	1.70E-06	1.19E-06	7.29E-07	0.00E+00	1.92E-06	2.19E-07	1.24E-07	0.00E+00	3.43E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
1391	481394.17	3768129.58	1.1756E-06	4.8964E-07	0.00E+00	1.67E-06	1.16E-06	7.12E-07	0.00E+00	1.88E-06	2.14E-07	1.21E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
1392	481384.66	3768129.54	1.1495E-06	4.7877E-07	0.00E+00	1.63E-06	1.14E-06	6.97E-07	0.00E+00	1.83E-06	2.09E-07	1.19E-07	0.00E+00	3.28E-07	1.17E-07	1.02E-07	0.00E+00	2.19E-07
1393	481375.16	3768129.5	1.1253E-06	4.6869E-07	0.00E+00	1.59E-06	1.11E-06	6.82E-07	0.00E+00	1.80E-06	2.04E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
1394	481365.65	3768129.46	0.000001103	4.5939E-07	0.00E+00	1.56E-06	1.09E-06	6.68E-07	0.00E+00	1.76E-06	2.00E-07	1.14E-07	0.00E+00	3.14E-07	1.12E-07	9.83E-08	0.00E+00	2.10E-07
1395	481356.14	3768129.42	1.0825E-06	4.5085E-07	0.00E+00	1.53E-06	1.07E-06	6.56E-07	0.00E+00	1.73E-06	1.97E-07	1.12E-07	0.00E+00	3.08E-07	1.10E-07	9.64E-08	0.00E+00	2.06E-07
1396	481346.63	3768129.38	1.0637E-06	4.4304E-07	0.00E+00	1.51E-06	1.05E-06	6.45E-07	0.00E+00	1.70E-06	1.93E-07	1.10E-07	0.00E+00	3.03E-07	1.08E-07	9.48E-08	0.00E+00	2.03E-07
1397	481337.12	3768129.34	1.0466E-06	4.3591E-07	0.00E+00	1.48E-06	1.04E-06	6.34E-07	0.00E+00	1.67E-06	1.90E-07	1.08E-07	0.00E+00	2.98E-07	1.06E-07	9.32E-08	0.00E+00	1.99E-07
1398	481552.6	3768130.9	1.8076E-06	7.5284E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.88E-06	3.28E-07	1.87E-07	0.00E+00	5.15E-07	1.83E-07	1.61E-07	0.00E+00	3.44E-07
1399	481561.02	3768134.44	1.8883E-06	7.8648E-07	0.00E+00	2.67E-06	1.87E-06	1.14E-06	0.00E+00	3.01E-06	3.43E-07	1.95E-07	0.00E+00	5.38E-07	1.92E-07	1.68E-07	0.00E+00	3.60E-07
1400	481569.44	3768137.98	0.000001971	8.209E-07	0.00E+00	2.79E-06	1.95E-06	1.19E-06	0.00E+00	3.14E-06	3.58E-07	2.03E-07	0.00E+00	5.62E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
1401	481577.86	3768141.51	2.0549E-06	8.5587E-07	0.00E+00	2.91E-06	2.03E-06	1.25E-06	0.00E+00	3.28E-06	3.73E-07	2.12E-07	0.00E+00	5.85E-07	2.08E-07	1.83E-07	0.00E+00	3.92E-07
1402	481586.28	3768145.05	2.1401E-06	8.9133E-07	0.00E+00	3.03E-06	2.12E-06	1.30E-06	0.00E+00	3.41E-06	3.89E-07	2.21E-07	0.00E+00	6.10E-07	2.17E-07	1.91E-07	0.00E+00	4.08E-07
1403	481594.7	3768148.59	2.2259E-06	9.2706E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.30E-07	0.00E+00	6.34E-07	2.26E-07	1.98E-07	0.00E+00	4.24E-07
1404	481603.12	3768152.12	2.3124E-06	9.6309E-07	0.00E+00	3.28E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.20E-07	2.39E-07	0.00E+00	6.59E-07	2.35E-07	2.06E-07	0.00E+00	4.41E-07
1405	481611.54	3768155.66	2.3999E-06	9.9956E-07	0.00E+00	3.40E-06	2.37E-06	1.45E-06	0.00E+00	3.83E-06	4.36E-07	2.48E-07	0.00E+00	6.84E-07	2.43E-07	2.14E-07	0.00E+00	4.57E-07
1406	481619.97	3768159.2	2.4867E-06	1.0357E-06	0.00E+00	3.52E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.52E-07	2.57E-07	0.00E+00	7.09E-07	2.52E-07	2.22E-07	0.00E+00	4.74E-07
1407	481628.39	3768162.73	2.5717E-06	1.0711E-06	0.00E+00	3.64E-06	2.54E-06	1.56E-06	0.00E+00	4.10E-06	4.67E-07	2.65E-07	0.00E+00	7.33E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1408	481636.81	3768166.27	2.6531E-06	0.000001105	0.00E+00	3.76E-06	2.63E-06	1.61E-06	0.00E+00	4.23E-06	4.82E-07	2.74E-07	0.00E+00	7.56E-07	2.69E-07	2.36E-07	0.00E+00	5.05E-07
1409	481645.23	3768169.81	2.7315E-06	1.1377E-06	0.00E+00	3.87E-06	2.70E-06	1.66E-06	0.00E+00	4.36E-06	4.96E-07	2.82E-07	0.00E+00	7.78E-07	2.77E-07	2.43E-07	0.00E+00	5.20E-07
1410	481653.65	3768173.34	2.8065E-06	1.1689E-06	0.00E+00	3.98E-06	2.78E-06	1.70E-06	0.00E+00	4.48E-06	5.10E-07	2.90E-07	0.00E+00	8.00E-07	2.85E-07	2.50E-07	0.00E+00	5.35E-07
1411	481662.07	3768176.88	2.8786E-06	1.1989E-06	0.00E+00	4.08E-06	2.85E-06	1.74E-06	0.00E+00	4.59E-06	5.23E-07	2.97E-07	0.00E+00	8.20E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
1412	481670.49	3768180.42	2.9484E-06	0.000001228	0.00E+00	4.18E-06	2.92E-06	1.79E-06	0.00E+00	4.70E-06	5.36E-07	3.04E-07	0.00E+00	8.40E-07	2.99E-07	2.63E-07	0.00E+00	5.62E-07
1413	481678.91	3768183.96	3.0137E-06	1.2552E-06	0.00E+00	4.27E-06	2.98E-06	1.83E-06	0.00E+00	4.81E-06	5.48E-07	3.11E-07	0.00E+00	8.59E-07	3.06E-07	2.69E-07	0.00E+00	5.74E-07
1414	481690.77	3768195.95	3.2476E-06	1.3526E-06	0.00E+00	4.60E-06	3.21E-06	1.97E-06	0.00E+00	5.18E-06	5.90E-07	3.35E-07	0.00E+00	9.25E-07	3.29E-07	2.89E-07	0.00E+00	6.19E-07
1415	481694.21	3768204.41	3.4269E-06	1.4273E-06	0.00E+00	4.85E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.76E-07	3.48E-07	3.05E-07	0.00E+00	6.53E-07
1416	481701.09	3768221.33	3.8024E-06	1.5837E-06	0.00E+00	5.39E-06	3.76E-06	2.30E-06	0.00E+00	6.07E-06	6.91E-07	3.92E-07	0.00E+00	1.08E-06	3.86E-07	3.39E-07	0.00E+00	7.24E-07
1417	481704.53	3768229.8	3.9964E-06	1.6645E-06	0.00E+00	5.66E-06	3.95E-06	2.42E-06	0.00E+00	6.38E-06	7.26E-07	4.13E-07	0.00E+00	1.14E-06	4.05E-07	3.56E-07	0.00E+00	7.61E-07
1418	481707.97	3768238.26	4.1913E-06	1.7457E-06	0.00E+00	5.94E-06	4.15E-06	2.54E-06	0.00E+00	6.69E-06	7.62E-07	4.33E-07	0.00E+00	1.19E-06	4.25E-07	3.73E-07	0.00E+00	7.99E-07
1419	481711.41	3768246.72	4.3864E-06	1.8269E-06	0.00E+00	6.21E-06	4.34E-06	2.66E-06	0.00E+00	7.00E-06	7.97E-07	4.53E-07	0.00E+00	1.25E-06	4.45E-07	3.91E-07	0.00E+00	8.36E-07
1420	481714.85	3768255.18	4.5798E-06	1.9075E-06	0.00E+00	6.49E-06	4.53E-06	2.78E-06	0.00E+00	7.31E-06	8.32E-07	4.73E-07	0.00E+00	1.30E-06	4.65E-07	4.08E-07	0.00E+00	8.73E-07
1421	481718.29	3768263.64	4.7696E-06	1.9865E-06	0.00E+00	6.76E-06	4.72E-06	2.89E-06	0.00E+00	7.61E-06	8.67E-07	4.92E-07	0.00E+00	1.36E-06	4.84E-07	4.25E-07	0.00E+00	9.09E-07
1422	481725.17	3768280.56	5.1272E-06	2.1355E-06	0.00E+00	7.26E-06	5.07E-06	3.11E-06	0.00E+00	8.18E-06	9.32E-07	5.29E-07	0.00E+00	1.46E-06	5.20E-07	4.57E-07	0.00E+00	9.77E-07
1423	481728.61	3768289.02	5.2912E-06	2.2037E-06	0.00E+00	7.49E-06	5.24E-06	3.21E-06	0.00E+00	8.44E-06	9.61E-07	5.46E-07	0.00E+00	1.51E-06	5.37E-07	4.71E-07	0.00E+00	1.01E-06
1424	481732.05	3768297.48	5.4427E-06	2.2669E-06	0.00E+00	7.71E-06	5.39E-06	3.30E-06	0.00E+00	8.68E-06	9.89E-07	5.62E-07	0.00E+00	1.55E-06	5.52E-07	4.85E-07	0.00E+00	1.04E-06
1425	481735.49	3768305.94	5.6902E-06	2.3699E-06	0.00E+00	8.06E-06	5.63E-06	3.45E-06	0.00E+00	9.08E-06	1.03E-06	5.87E-07	0.00E+00	1.62E-06	5.77E-07	5.07E-07	0.00E+00	1.08E-06
1426	481738.93	3768314.4	5.8339E-06	2.4298E-06	0.00E+00	8.26E-06	5.77E-06	3.54E-06	0.00E+00	9.31E-06	1.06E-06	6.02E-07	0.00E+00	1.66E-06	5.92E-07	5.20E-07	0.00E+00	1.11E-06
1427	481517.83	3768120.25	0.000001539	6.4098E-07	0.00E+00	2.18E-06	1.52E-06	9.33E-07	0.00E+00	2.46E-06	2.80E-07	1.59E-07	0.00E+00	4.38E-07	1.56E-07	1.37E-07	0.00E+00	2.93E-07
1428	481508.32	3768120.21	1.5006E-06	6.2497E-07	0.00E+00	2.13E-06	1.48E-06	9.09E-07	0.00E+00	2.39E-06	2.73E-07	1.55E-07	0.00E+00	4.28E-07	1.52E-07	1.34E-07	0.00E+00	2.86E-07
1429	481498.81	3768120.17	1.4637E-06	6.0961E-07	0.00E+00	2.07E-06	1.45E-06	8.87E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.48E-07	1.30E-07	0.00E+00	2.79E-07
1430	481489.3	3768120.13	1.4271E-06	5.9437E-07	0.00E+00	2.02E-06	1.41E-06	8.65E-07	0.00E+00	2.28E-06	2.59E-07	1.47E-07	0.00E+00	4.07E-07	1.45E-07	1.27E-07	0.00E+00	2.72E-07
1431	481479.8	3768120.09	0.000001391	5.7935E-07	0.00E+00	1.97E-06	1.38E-06	8.43E-07	0.00E+00	2.22E-06	2.53E-07	1.44E-07	0.00E+00	3.96E-07	1.41E-07	1.24E-07	0.00E+00	2.65E-07
1432	481470.29	3768120.06	1.3539E-06	5.6389E-07	0.00E+00	1.92E-06	1.34E-06	8.21E-07	0.00E+00	2.16E-06	2.46E-07	1.40E-07	0.00E+00	3.86E-07	1.37E-07	1.21E-07	0.00E+00	2.58E-07
1433	481460.78	3768120.02	1.3177E-06	5.488E-07	0.00E+00	1.87E-06	1.30E-06	7.99E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.75E-07	1.34E-07	1.17E-07	0.00E+00	2.51E-07
1434	481451.27	3768119.98	1.2826E-06	5.3418E-07	0.00E+00	1.82E-06	1.27E-06	7.77E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.65E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
1435	481441.76	3768119.94	1.2489E-06	5.2018E-07	0.00E+00	1.77E-06	1.24E-06	7.57E-07	0.00E+00	1.99E-06	2.27E-07	1.29E-07	0.00E+00	3.56E-07	1.27E-07	1.11E-07	0.00E+00	2.38E-07
1436	481432.25	3768119.9	1.2166E-06	5.0673E-07	0.00E+00	1.72E-06	1.20E-06	7.37E-07	0.00E+00	1.94E-06	2.21E-07	1.26E-07	0.00E+00	3.47E-07	1.23E-07	1.08E-07	0.00E+00	2.32E-07
1437	481422.74	3768119.86	1.1858E-06	4.939E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.15E-07	1.22E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
1438	481413.23	3768119.82	1.1568E-06	4.8179E-07	0.00E+00	1.64E-06	1.14E-06	7.01E-07	0.00E+00	1.85E-06	2.10E-07	1.19E-07	0.00E+00	3.30E-07	1.17E-07	1.03E-07	0.00E+00	2.20E-07
1439	481403.72	3768119.78	1.1295E-06	4.7043E-07	0.00E+00	1.60E-06	1.12E-06	6.85E-07	0.00E+00	1.80E-06	2.05E-07	1.17E-07	0.00E+00	3.22E-07	1.15E-07	1.01E-07	0.00E+00	2.15E-07
1440	481394.21	3768119.74	0.000001104	4.598E-07	0.00E+00	1.56E-06	1.09E-06	6.69E-07	0.00E+00	1.76E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.84E-08	0.00E+00	2.10E-07
1441	481384.71	3768119.7	1.0802E-06	4.499E-07	0.00E+00	1.53E-06	1.07E-06	6.55E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.08E-07	1.10E-07	9.62E-08	0.00E+00	2.06E-07
1442	481375.2	3768119.66	1.0581E-06	4.4069E-07	0.00E+00	1.50E-06	1.05E-06	6.41E-07	0.00E+00	1.69E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.43E-08	0.00E+00	2.02E-07
1443	481365.69	3768119.62	1.0377E-06	4.3218E-07	0.00E+00	1.47E-06	1.03E-06	6.29E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.05E-07	9.24E-08	0.00E+00	1.98E-07
1444	481356.18	3768119.58	1.0189E-06	4.2435E-07	0.00E+00	1.44E-06	1.01E-06	6.17E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.90E-07	1.03E-07	9.08E-08	0.00E+00	1.94E-07
1445	481346.67	3768119.54	1.0016E-06	4.1718E-07	0.00E+00	1.42E-06	9.91E-07	6.07E-07	0.00E+00	1.60E-06	1.82E-07	1.03E-07	0.00E+00	2.85E-07	1.02E-07	8.92E-08	0.00E+00	1.91E-07
1446	481337.16

1474	481517.87	3768110.41	1.4369E-06	5.9848E-07	0.00E+00	2.04E-06	1.42E-06	8.71E-07	0.00E+00	2.29E-06	2.61E-07	1.48E-07	0.00E+00	4.09E-07	1.46E-07	1.28E-07	0.00E+00	2.74E-07
1475	481508.36	3768110.37	1.4016E-06	5.8375E-07	0.00E+00	1.99E-06	1.39E-06	8.49E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
1476	481498.85	3768110.34	1.3677E-06	5.6966E-07	0.00E+00	1.94E-06	1.35E-06	8.29E-07	0.00E+00	2.18E-06	2.49E-07	1.41E-07	0.00E+00	3.90E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
1477	481489.34	3768110.3	1.3342E-06	5.5567E-07	0.00E+00	1.89E-06	1.32E-06	8.09E-07	0.00E+00	2.13E-06	2.42E-07	1.38E-07	0.00E+00	3.80E-07	1.35E-07	1.19E-07	0.00E+00	2.54E-07
1478	481479.84	3768110.26	1.3011E-06	5.4191E-07	0.00E+00	1.84E-06	1.29E-06	7.89E-07	0.00E+00	2.08E-06	2.36E-07	1.34E-07	0.00E+00	3.71E-07	1.32E-07	1.16E-07	0.00E+00	2.48E-07
1479	481470.33	3768110.22	1.2671E-06	5.2775E-07	0.00E+00	1.79E-06	1.25E-06	7.68E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.61E-07	1.29E-07	1.13E-07	0.00E+00	2.41E-07
1480	481460.82	3768110.18	1.2341E-06	5.1398E-07	0.00E+00	1.75E-06	1.22E-06	7.48E-07	0.00E+00	1.97E-06	2.24E-07	1.27E-07	0.00E+00	3.52E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
1481	481451.31	3768110.14	1.2021E-06	5.0065E-07	0.00E+00	1.70E-06	1.19E-06	7.28E-07	0.00E+00	1.92E-06	2.18E-07	1.24E-07	0.00E+00	3.42E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
1482	481441.8	3768110.1	1.1714E-06	4.8789E-07	0.00E+00	1.66E-06	1.16E-06	7.10E-07	0.00E+00	1.87E-06	2.13E-07	1.21E-07	0.00E+00	3.34E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
1483	481432.29	3768110.06	0.000001142	4.7562E-07	0.00E+00	1.62E-06	1.13E-06	6.92E-07	0.00E+00	1.82E-06	2.08E-07	1.18E-07	0.00E+00	3.25E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
1484	481422.78	3768110.02	1.1139E-06	4.6393E-07	0.00E+00	1.58E-06	1.10E-06	6.75E-07	0.00E+00	1.78E-06	2.02E-07	1.15E-07	0.00E+00	3.17E-07	1.13E-07	9.92E-08	0.00E+00	2.12E-07
1485	481413.27	3768109.98	1.0874E-06	4.5288E-07	0.00E+00	1.54E-06	1.08E-06	6.59E-07	0.00E+00	1.74E-06	1.98E-07	1.12E-07	0.00E+00	3.10E-07	1.10E-07	9.69E-08	0.00E+00	2.07E-07
1486	481403.76	3768109.94	1.0624E-06	4.425E-07	0.00E+00	1.50E-06	1.05E-06	6.44E-07	0.00E+00	1.70E-06	1.93E-07	1.10E-07	0.00E+00	3.03E-07	1.08E-07	9.47E-08	0.00E+00	2.02E-07
1487	481394.25	3768109.9	1.0392E-06	4.328E-07	0.00E+00	1.47E-06	1.03E-06	6.30E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.05E-07	9.26E-08	0.00E+00	1.98E-07
1488	481384.75	3768109.86	1.0174E-06	4.2374E-07	0.00E+00	1.44E-06	1.01E-06	6.17E-07	0.00E+00	1.62E-06	1.85E-07	1.05E-07	0.00E+00	2.90E-07	1.03E-07	9.06E-08	0.00E+00	1.94E-07
1489	481375.24	3768109.82	9.9712E-07	4.153E-07	0.00E+00	1.41E-06	9.87E-07	6.04E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.84E-07	1.01E-07	8.88E-08	0.00E+00	1.90E-07
1490	481365.73	3768109.78	9.7836E-07	4.0748E-07	0.00E+00	1.39E-06	9.68E-07	5.93E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.92E-08	8.72E-08	0.00E+00	1.86E-07
1491	481356.22	3768109.74	9.6108E-07	4.0028E-07	0.00E+00	1.36E-06	9.51E-07	5.82E-07	0.00E+00	1.53E-06	1.75E-07	9.92E-08	0.00E+00	2.74E-07	9.75E-08	8.56E-08	0.00E+00	1.83E-07
1492	481346.71	3768109.7	9.4522E-07	3.9368E-07	0.00E+00	1.34E-06	9.35E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.76E-08	0.00E+00	2.69E-07	9.59E-08	8.42E-08	0.00E+00	1.80E-07
1493	481337.2	3768109.66	9.3071E-07	3.8763E-07	0.00E+00	1.32E-06	9.21E-07	5.64E-07	0.00E+00	1.49E-06	1.69E-07	9.61E-08	0.00E+00	2.65E-07	9.44E-08	8.29E-08	0.00E+00	1.77E-07
1494	481553.51	3768111.57	1.5765E-06	6.5662E-07	0.00E+00	2.23E-06	1.56E-06	9.55E-07	0.00E+00	2.52E-06	2.86E-07	1.63E-07	0.00E+00	4.49E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
1495	481562.2	3768115.22	1.6467E-06	6.8584E-07	0.00E+00	2.33E-06	1.63E-06	9.98E-07	0.00E+00	2.63E-06	2.99E-07	1.70E-07	0.00E+00	4.69E-07	1.67E-07	1.47E-07	0.00E+00	3.14E-07
1496	481570.9	3768118.88	1.7189E-06	7.1592E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.90E-07	1.74E-07	1.53E-07	0.00E+00	3.28E-07
1497	481579.59	3768122.53	1.7926E-06	7.466E-07	0.00E+00	2.54E-06	1.77E-06	1.09E-06	0.00E+00	2.86E-06	3.26E-07	1.85E-07	0.00E+00	5.11E-07	1.82E-07	1.60E-07	0.00E+00	3.42E-07
1498	481588.29	3768126.18	1.8675E-06	7.7783E-07	0.00E+00	2.65E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.39E-07	1.93E-07	0.00E+00	5.32E-07	1.89E-07	1.66E-07	0.00E+00	3.56E-07
1499	481596.98	3768129.83	1.9434E-06	8.0941E-07	0.00E+00	2.75E-06	1.92E-06	1.18E-06	0.00E+00	3.10E-06	3.53E-07	2.01E-07	0.00E+00	5.54E-07	1.97E-07	1.73E-07	0.00E+00	3.70E-07
1500	481605.68	3768133.48	2.0209E-06	8.4168E-07	0.00E+00	2.86E-06	2.00E-06	1.22E-06	0.00E+00	3.22E-06	3.67E-07	2.09E-07	0.00E+00	5.76E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1501	481623.07	3768140.79	2.1771E-06	9.0676E-07	0.00E+00	3.08E-06	2.15E-06	1.32E-06	0.00E+00	3.47E-06	3.96E-07	2.25E-07	0.00E+00	6.20E-07	2.21E-07	1.94E-07	0.00E+00	4.15E-07
1502	481631.76	3768144.44	2.2539E-06	9.3873E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1503	481640.46	3768148.09	2.3279E-06	9.6956E-07	0.00E+00	3.30E-06	2.30E-06	1.41E-06	0.00E+00	3.71E-06	4.23E-07	2.40E-07	0.00E+00	6.63E-07	2.36E-07	2.07E-07	0.00E+00	4.44E-07
1504	481649.15	3768151.75	2.4003E-06	9.9971E-07	0.00E+00	3.40E-06	2.38E-06	1.45E-06	0.00E+00	3.83E-06	4.36E-07	2.48E-07	0.00E+00	6.84E-07	2.43E-07	2.14E-07	0.00E+00	4.57E-07
1505	481657.85	3768155.4	2.4703E-06	1.0289E-06	0.00E+00	3.50E-06	2.44E-06	1.50E-06	0.00E+00	3.94E-06	4.49E-07	2.55E-07	0.00E+00	7.04E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
1506	481666.54	3768159.05	2.5387E-06	1.0573E-06	0.00E+00	3.60E-06	2.51E-06	1.54E-06	0.00E+00	4.05E-06	4.61E-07	2.62E-07	0.00E+00	7.23E-07	2.58E-07	2.26E-07	0.00E+00	4.84E-07
1507	481675.24	3768162.7	2.6048E-06	1.0849E-06	0.00E+00	3.69E-06	2.58E-06	1.58E-06	0.00E+00	4.16E-06	4.73E-07	2.69E-07	0.00E+00	7.42E-07	2.64E-07	2.32E-07	0.00E+00	4.96E-07
1508	481683.93	3768166.35	0.000002668	1.1112E-06	0.00E+00	3.78E-06	2.64E-06	1.62E-06	0.00E+00	4.26E-06	4.85E-07	2.75E-07	0.00E+00	7.60E-07	2.71E-07	2.38E-07	0.00E+00	5.08E-07
1509	481692.63	3768170.01	2.7265E-06	1.1356E-06	0.00E+00	3.86E-06	2.70E-06	1.65E-06	0.00E+00	4.35E-06	4.95E-07	2.81E-07	0.00E+00	7.77E-07	2.77E-07	2.43E-07	0.00E+00	5.19E-07
1510	481704.87	3768182.39	2.8719E-06	1.1961E-06	0.00E+00	4.07E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.22E-07	2.96E-07	0.00E+00	8.18E-07	2.91E-07	2.56E-07	0.00E+00	5.47E-07
1511	481708.43	3768191.13	3.0323E-06	1.2629E-06	0.00E+00	4.30E-06	3.00E-06	1.84E-06	0.00E+00	4.84E-06	5.51E-07	3.13E-07	0.00E+00	8.64E-07	3.08E-07	2.70E-07	0.00E+00	5.78E-07
1512	481711.98	3768199.87	3.2012E-06	1.3333E-06	0.00E+00	4.53E-06	3.17E-06	1.94E-06	0.00E+00	5.11E-06	5.82E-07	3.30E-07	0.00E+00	9.12E-07	3.25E-07	2.85E-07	0.00E+00	6.10E-07
1513	481715.53	3768208.6	3.3799E-06	1.4077E-06	0.00E+00	4.79E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.63E-07	3.43E-07	3.01E-07	0.00E+00	6.44E-07
1514	481719.08	3768217.34	3.6024E-06	1.5004E-06	0.00E+00	5.10E-06	3.56E-06	2.18E-06	0.00E+00	5.75E-06	6.55E-07	3.72E-07	0.00E+00	1.03E-06	3.65E-07	3.21E-07	0.00E+00	6.86E-07
1515	481722.63	3768226.08	3.7792E-06	0.000001574	0.00E+00	5.35E-06	3.74E-06	2.29E-06	0.00E+00	6.03E-06	6.87E-07	3.90E-07	0.00E+00	1.08E-06	3.83E-07	3.37E-07	0.00E+00	7.20E-07
1516	481726.19	3768234.81	3.9533E-06	1.6465E-06	0.00E+00	5.60E-06	3.91E-06	2.40E-06	0.00E+00	6.31E-06	7.18E-07	4.08E-07	0.00E+00	1.13E-06	4.01E-07	3.52E-07	0.00E+00	7.53E-07
1517	481729.74	3768243.55	4.1268E-06	1.7188E-06	0.00E+00	5.85E-06	4.08E-06	2.50E-06	0.00E+00	6.58E-06	7.50E-07	4.26E-07	0.00E+00	1.18E-06	4.19E-07	3.68E-07	0.00E+00	7.86E-07
1518	481733.29	3768252.29	4.2977E-06	0.00000179	0.00E+00	6.09E-06	4.25E-06	2.60E-06	0.00E+00	6.86E-06	7.81E-07	4.44E-07	0.00E+00	1.22E-06	4.36E-07	3.83E-07	0.00E+00	8.19E-07
1519	481736.84	3768261.02	4.4842E-06	1.8676E-06	0.00E+00	6.35E-06	4.44E-06	2.72E-06	0.00E+00	7.15E-06	8.15E-07	4.63E-07	0.00E+00	1.28E-06	4.55E-07	4.00E-07	0.00E+00	8.54E-07
1520	481740.39	3768269.76	4.6618E-06	1.9416E-06	0.00E+00	6.60E-06	4.61E-06	2.83E-06	0.00E+00	7.44E-06	8.47E-07	4.81E-07	0.00E+00	1.33E-06	4.73E-07	4.15E-07	0.00E+00	8.88E-07
1521	481743.95	3768278.5	4.8332E-06	0.000002013	0.00E+00	6.85E-06	4.78E-06	2.93E-06	0.00E+00	7.71E-06	8.78E-07	4.99E-07	0.00E+00	1.38E-06	4.90E-07	4.31E-07	0.00E+00	9.21E-07
1522	481747.5	3768287.23	0.000004996	2.0808E-06	0.00E+00	7.08E-06	4.94E-06	3.03E-06	0.00E+00	7.97E-06	9.08E-07	5.16E-07	0.00E+00	1.42E-06	5.07E-07	4.45E-07	0.00E+00	9.52E-07
1523	481751.05	3768295.97	5.1484E-06	2.1443E-06	0.00E+00	7.29E-06	5.09E-06	3.12E-06	0.00E+00	8.21E-06	9.35E-07	5.31E-07	0.00E+00	1.47E-06	5.22E-07	4.59E-07	0.00E+00	9.81E-07
1524	481754.6	3768304.71	5.2873E-06	2.2021E-06	0.00E+00	7.49E-06	5.23E-06	3.20E-06	0.00E+00	8.44E-06	9.61E-07	5.46E-07	0.00E+00	1.51E-06	5.36E-07	4.71E-07	0.00E+00	1.01E-06
1525	481758.15	3768313.44	5.4099E-06	2.2532E-06	0.00E+00	7.66E-06	5.35E-06	3.28E-06	0.00E+00	8.63E-06	9.83E-07	5.58E-07	0.00E+00	1.54E-06	5.49E-07	4.82E-07	0.00E+00	1.03E-06
1526	481761.71	3768322.18	5.5146E-06	2.2968E-06	0.00E+00	7.81E-06	5.46E-06	3.34E-06	0.00E+00	8.80E-06	1.00E-06	5.69E-07	0.00E+00	1.57E-06	5.59E-07	4.91E-07	0.00E+00	1.05E-06
1527	481517.91	3768100.58	0.000001345	5.6017E-07	0.00E+00	1.91E-06	1.33E-06	8.15E-07	0.00E+00	2.15E-06	2.44E-07	1.39E-07	0.00E+00	3.83E-07	1.36E-07	1.20E-07	0.00E+00	2.56E-07
1528	481508.4	3768100.54	1.3123E-06	5.4659E-07	0.00E+00	1.86E-06	1.30E-06	7.95E-07	0.00E+00	2.09E-06	2.38E-07	1.35E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
1529	481498.89	3768100.5	1.2811E-06	5.3358E-07	0.00E+00	1.81E-06	1.27E-06	7.76E-07	0.00E+00	2.04E-06	2.33E-07	1.32E-07	0.00E+00	3.65E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
1530	481489.39	3768100.46	1.2502E-06	5.2072E-07	0.00E+00	1.77E-06	1.24E-06	7.58E-07	0.00E+00	1.99E-06	2.27E-07	1.29E-07	0.00E+00	3.56E-07	1.27E-07	1.11E-07	0.00E+00	2.38E-07
1531	481479.88	3768100.42	1.2199E-06	5.0809E-07	0.00E+00	1.73E-06	1.21E-06	7.39E-07	0.00E+00	1.95E-06	2.22E-07	1.26E-07	0.00E+00	3.48E-07	1.24E-07	1.09E-07	0.00E+00	2.32E-07
1532	481470.37	3768100.38	1.1888E-06	4.9513E-07	0.00E+00	1.68E-06	1.18E-06	7.20E-07	0.00E+00	1.90E-06	2.16E-07	1.23E-07	0.00E+00	3.39E-07	1.21E-07	1.06E-07	0.00E+00	2.27E-07
1533	481460.86	3768100.34	1.1585E-06	4.8253E-07	0.00E+00	1.64E-06	1.15E-06	7.02E-07	0.00E+00	1.85E-06	2.10E-07	1.20E-07	0.00E+00	3.30E-07	1.18E-07	1.03E-07	0.00E+00	2.21E-07
1534	481451.35	3768100.3	1.1293E-06	4.7034E-07	0.00E+00	1.60E-06	1.12E-06	6.84E-07	0.00E+00	1.80E-06	2.05E-07	1.17E-07	0.00E+00	3.22E-07	1.15E-07	1.01E-07	0.00E+00	2.15E-07
1535	481441.84	3768100.26	1.1013E-06	4.5867E-07	0.00E+00	1.56E-06	1.09E-06	6.67E-07	0.00E+00	1.76E-06	2.00E-07	1.14E-07	0.00E+00	3.14E-07	1.12E-07	9.81E-08	0.00E+00	2.10E-07
1536	481432.33	3768100.22	1.0743E-06	4.4746E-07	0.00E+00	1.52E-06	1.06E-06	6.51E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.06E-07	1.09E-07	9.57E-08	0.00E+00	2.05E-07
1537	481422.82	3768100.18	1.0487E-06	4.3677E-07	0.00E+00	1.49E-06	1.04E-06	6.36E-07	0.00E+00	1.67E-06	1.91E-07	1.08E-07	0.00E+00	2.99E-07	1.06E-07	9.34E-08	0.00E+00	2.00E-07
1538	481413.31	3768100.14	1.0244E-06	4.2666E-07	0.00E+00	1.45E-06	1.01E-06	6.21E-07	0.00E+00	1.63E-06	1.86E-07	1.06E-07	0.00E+00	2.92E-07	1.04E-07	9.13E-08	0.00E+00	1.95E-07
1539	481403.8	3768100.1	1.0016E-06	4.1716E-07	0.00E+00	1.42E-06	9.91E-07	6.07E-07	0.00E+00	1.60E-06	1.82E-07	1.03E-07	0.00E+00	2.85E-07	1.02E-07	8.92E-08	0.00E+00	1.91E-07
1540	481394.3	3768100.06	9.8027E-07	4.0828E-07	0.00E+00	1.39E-06	9.70E-07	5.94E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.94E-08	8.73E-08	0.00E+00	1.87E-07
1541	481384.79	3768100.02	9.6028E-07	3.9995E-07	0.00E+00	1.36E-06	9.50E-07	5.82E-07	0.00E+00	1.53E-06	1.74E-07	9.91E-08	0.00E+00	2.74E-07	9.74E-08	8.56E-08	0.00E+00	1.83E-07
1542	481375.28	3768099.98	9.4163E-07	3.9219E-07	0.00E+00	1.33E-06	9.32E-07	5.71E-07	0.00E+00	1.50E-06	1.71E-07	9.72E-08	0.00E+00	2.68E-07	9.55E-08	8.39E-08	0.00E+00	1.79E-07
1543	481365.77	3768099.94	9.2438E-07	0.000000385	0.00E+00	1.31E-06	9.15E-07	5.60E-07	0.00E+00	1.47E-06	1.68E-07	9.54E-08	0.00E+00	2.63E-07	9.38E-08	8.24E-08	0.00E+00	1.76E-07
1544	481356.26	3768099.9	9.0845E-07	3.7836E-07	0.00E+00	1.29E-06	8.99E-07	5.51E-07	0.00E+00	1.45E-06	1.65E-07	9.38E-08	0.00E+00	2.59E-07	9.22E-08	8.09E-08	0.00E+00	1.73E-07
1545	481346.75	3768099.86	8.938E-07	3.7226E-07	0.00E+00	1.27E-06	8.84E-07	5.42E-07	0.00E+00	1.43E-06	1.62E-07	9.23E-08	0.00E+00	2.55E-07	9.07E-08	7.96E-08	0.00E+00	1.70E-07
1546	481337.24	3768099.82	8.8038E-07	3.6667E-07	0.00E+00	1.25E-06	8.71E-07	5.34E-07	0.00E+00	1.40E-06	1.60E-07	9.09E-08	0.00E+00	2.51E-07	8.93E-08	7.84E-08	0.00E+00	1.68E-07
1547	481553.3	3768101.63	1.4724E-06	6.1323E-07	0.00E+00	2.09E-06	1.46E-06	8.92E-07	0.00E+00	2.35E-06	2.68E-07	1.52E-07	0.00E+00	4.20E-07	1.49E-07	1.31E-07	0.00E+00	2.81E-07
1548	481561.91	3768105.25	1.5363E-06	6.3984E-07	0.00E+00	2.18E-06	1.52E-06	9.31E-07	0.00E+00	2.45E-06	2.79E-07	1.59E-07	0.00E+00	4.38E-07	1.56E-07	1.37E-07	0.00E+00	2.93E-07
1549	481570.52	3768108.86	1.6018E-06	6.6714E-07	0.00E+00	2.27E-06	1.59E-06	9.71E-07	0.00E+00	2.56E-06	2.91E-07	1.65E-07	0.00E+00	4.56E-07	1.62E-07	1.43E-07	0.00E+00	3.05E-07
1550	481579.14	3768112.48	0.000001669	6.9515E-07	0.00E+00	2.36E-06	1.65E-06	1.01E-06	0.00E+00	2.66E-06	3.03E-07	1.72E-07	0.00E+00	4.76E-07	1.69E-07	1.49E-07	0.00E+00	3.18E-07
1551	481587.75	3768116.1	1.7376E-06	7.2371E-07	0.00E+00	2.46E-06	1.72E-06	1.05E-06	0.00E+00	2.77E-06	3.16E-07	1.79E-07	0.00E+00	4.95E-07	1.76E-07	1.55E-07	0.00E+00	3.31E-07
1552	481596.36	3768119.72	1.8072E-06	7.5268E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.88E-06	3.28E-07	1.87E-07	0.00E+00	5.15E-07	1.83E-07	1.61E-07	0.00E+00	3.44E-07
1553	481604.97	3768123.33	1.8782E-06	7.8224E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.41E-07	1.94E-07	0.00E+00	5.35E-07	1.91E-07	1.67E-07	0.00E+00	3.58E-07
1554	481613.59	3768126.95	1.9503E-06	8.123E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.56E-07	1.98E-07	1.74E-07	0.00E+00	3.72E-07
1555	481622.2	3768130.57	2.0225E-06	8.4237E-07	0.00E+00	2.86E-06	2.00E-06	1.23E-06	0.00E+00	3.23E-06	3.67E-07	2.09E-07	0.00E+00	5.76E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1556	481630.81	3768134.18	0.000002094	8.7216E-07	0.00E+00	2.97E-06	2.07E-06	1.27E-06	0.00E+00	3.34E-06	3.80E-07	2.16E-07	0.00E+00	5.97E-07	2.12E-07	1.87E-07	0.00E+00	3.99E-07
1557	481639.42	3768137.8	2.1634E-06	9.0104E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.16E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07
1558	481648.03	3768141.42	2.2316E-06	9.2943E-07	0.00E+00	3.16E-06	2.21E-06	1.35E-06	0.00E+00	3.56E-06	4.05E-07	2.30E-07	0.00E+00	6.36E-07	2.26E-07	1.99E-07	0.00E+00	4.25E-07
1559	481656.65	3768145.04	0.000002298	9.5712E-07	0.00E+00	3.26E-06	2.27E-06	1.39E-06	0.00E+00	3.67E-06	4.18E-07	2.37E-07	0.00E+00	6.55E-07	2.33E-07	2.05E-07	0.00E+00	4.38E-07
1560	481665.26	3768148.65	2.3628E-06	9.8408E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.29E-07	2.44E-07	0.00E+00	6.73E-07	2.40E-07	2.11E-07	0.00E+00	4.50E-07
1561	481673.87	3768152.27	2.4258E-06	1.0103E-06	0.00E+00	3.44E-06	2.40E-06	1.47E-06	0.00E+00	3.87E-06	4.41E-07	2.50E-07	0.00E+00	6.91E-07	2.46E-07	2.16E-07	0.00E+00	4.62E-07
1562	481682.48	3768155.89	2.4867E-06	1.0357E-06	0.00E+00	3.52E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.52E-07	2.57E-07	0.00E+00	7.09E-07	2.52E-07	2.22E-07	0.00E+00	4.74E-07
1563	481691.1	3768159.51	2.5447E-06	1.0599E-06	0.00E+00	3.60E-06	2.52E-06	1.54E-06	0.00E+00	4.06E-06	4.62E-07	2.63E-07	0.00E+00	7.25E-07	2.58E-07	2.27E-07	0.00E+00	4.85E-07
1564	481699.71	3768163.12	2.5983E-06	1.0822E-06	0.00E+00	3.68E-06	2.57E-06	1.57E-06	0.00E+00	4.15E-06	4.72E-07	2.68E-07	0.00E+00	7.40E-07	2.64E-07	2.31E-07	0.00E+00	4.95E-07
1565	481711.84	3768175.39	2.7273E-06	1.1359E-06	0.00E+00	3.86E-06	2.70E-06	1.65E-06	0.00E+00	4.35E-06	4.96E-07	2.82E-07	0.00E+00	7.77E-07	2.77E-07	2.43E-07	0.00E+00	5.20E-07
1566	481715.36	3768184.05	0.000002875	1.1974E-06	0.00E+00	4.07E-06	2.84E-06	1.74E-06	0.00E+00	4.59E-06	5.22E-07	2.97E-07	0.00E+00	8.19E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
1567	481718.87	3768192.7	3.0285E-06	1.2613E-06	0.00E+00	4.29E-06	3.00E-06	1.84E-06	0.00E+00	4.83E-06	5.50E-07	3.13E-07	0.00E+00	8.63E-07	3.07E-07	2.70E-07	0.00E+00	5.77E-07
1568	481722.39	3768201.35	3.1922E-06	1.3295E-06	0.00E+00	4.52E-06	3.16E-06	1.93E-06	0.00E+00	5.09E-06	5.80E-07	3.29E-07	0.00E+00	9.10E-07	3.24E-07	2.84E-07	0.00E+00	6.08E-07
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1597	481384.83	3768090.18	9.0817E-07	3.7825E-07	0.00E+00	1.29E-06	8.99E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.21E-08	8.09E-08	0.00E+00	1.73E-07
1598	481375.32	3768090.14	8.9099E-07	3.7109E-07	0.00E+00	1.26E-06	8.82E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.20E-08	0.00E+00	2.54E-07	9.04E-08	7.94E-08	0.00E+00	1.70E-07
1599	481365.81	3768090.1	8.7505E-07	3.6446E-07	0.00E+00	1.24E-06	8.66E-07	5.30E-07	0.00E+00	1.40E-06	1.59E-07	9.03E-08	0.00E+00	2.49E-07	8.88E-08	7.80E-08	0.00E+00	1.67E-07
1600	481356.3	3768090.07	8.6038E-07	3.5834E-07	0.00E+00	1.22E-06	8.51E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.88E-08	0.00E+00	2.45E-07	8.73E-08	7.67E-08	0.00E+00	1.64E-07
1601	481346.79	3768090.03	8.4681E-07	3.5269E-07	0.00E+00	1.20E-06	8.38E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.59E-08	7.54E-08	0.00E+00	1.61E-07
1602	481337.28	3768089.99	8.3438E-07	3.4751E-07	0.00E+00	1.18E-06	8.26E-07	5.06E-07	0.00E+00	1.33E-06	1.52E-07	8.61E-08	0.00E+00	2.38E-07	8.46E-08	7.43E-08	0.00E+00	1.59E-07
1603	481553.11	3768091.69	1.3782E-06	5.7401E-07	0.00E+00	1.95E-06	1.36E-06	8.35E-07	0.00E+00	2.20E-06	2.50E-07	1.42E-07	0.00E+00	3.93E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
1604	481561.65	3768095.28	1.4364E-06	5.9827E-07	0.00E+00	2.03E-06	1.42E-06	8.71E-07	0.00E+00	2.29E-06	2.61E-07	1.48E-07	0.00E+00	4.09E-07	1.46E-07	1.28E-07	0.00E+00	2.74E-07
1605	481570.19	3768098.87	1.4963E-06	6.2322E-07	0.00E+00	2.12E-06	1.48E-06	9.07E-07	0.00E+00	2.39E-06	2.72E-07	1.54E-07	0.00E+00	4.26E-07	1.52E-07	1.33E-07	0.00E+00	2.85E-07
1606	481578.73	3768102.45	1.5577E-06	6.4878E-07	0.00E+00	2.21E-06	1.54E-06	9.44E-07	0.00E+00	2.49E-06	2.83E-07	1.61E-07	0.00E+00	4.44E-07	1.58E-07	1.39E-07	0.00E+00	2.97E-07
1607	481587.26	3768106.04	1.6204E-06	6.749E-07	0.00E+00	2.30E-06	1.60E-06	9.82E-07	0.00E+00	2.59E-06	2.94E-07	1.67E-07	0.00E+00	4.62E-07	1.64E-07	1.44E-07	0.00E+00	3.09E-07
1608	481595.8	3768109.62	1.6842E-06	7.0145E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
1609	481604.34	3768113.21	1.7495E-06	7.2866E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.81E-07	0.00E+00	4.98E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
1610	481612.87	3768116.8	0.000001816	7.5636E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
1611	481621.41	3768120.38	1.8827E-06	7.8414E-07	0.00E+00	2.67E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.42E-07	1.94E-07	0.00E+00	5.36E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
1612	481629.95	3768123.97	1.9495E-06	8.1195E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
1613	481638.48	3768127.55	2.0142E-06	8.3889E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.66E-07	2.08E-07	0.00E+00	5.74E-07	2.04E-07	1.79E-07	0.00E+00	3.84E-07
1614	481647.02	3768131.14	2.0782E-06	8.6557E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
1615	481655.56	3768134.72	2.1409E-06	8.9169E-07	0.00E+00	3.03E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.89E-07	2.21E-07	0.00E+00	6.10E-07	2.17E-07	1.91E-07	0.00E+00	4.08E-07
1616	481664.09	3768138.31	2.2023E-06	9.1723E-07	0.00E+00	3.12E-06	2.18E-06	1.33E-06	0.00E+00	3.51E-06	4.00E-07	2.27E-07	0.00E+00	6.27E-07	2.23E-07	1.96E-07	0.00E+00	4.20E-07
1617	481672.63	3768141.9	2.2621E-06	9.4217E-07	0.00E+00	3.20E-06	2.24E-06	1.37E-06	0.00E+00	3.61E-06	4.11E-07	2.33E-07	0.00E+00	6.45E-07	2.29E-07	2.02E-07	0.00E+00	4.31E-07
1618	481681.17	3768145.48	2.2537E-06	9.3867E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.09E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1619	481689.71	3768149.07	0.00000231	9.6209E-07	0.00E+00	3.27E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.20E-07	2.38E-07	0.00E+00	6.58E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07
1620	481698.24	3768152.65	2.3647E-06	9.8488E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.30E-07	2.44E-07	0.00E+00	6.74E-07	2.40E-07	2.11E-07	0.00E+00	4.51E-07
1621	481706.78	3768156.24	2.4157E-06	1.0061E-06	0.00E+00	3.42E-06	2.39E-06	1.46E-06	0.00E+00	3.85E-06	4.39E-07	2.49E-07	0.00E+00	6.88E-07	2.45E-07	2.15E-07	0.00E+00	4.60E-07
1622	481718.8	3768168.4	0.000002594	1.0804E-06	0.00E+00	3.67E-06	2.57E-06	1.57E-06	0.00E+00	4.14E-06	4.71E-07	2.68E-07	0.00E+00	7.39E-07	2.63E-07	2.31E-07	0.00E+00	4.94E-07
1623	481722.29	3768176.98	2.7319E-06	1.1378E-06	0.00E+00	3.87E-06	2.70E-06	1.66E-06	0.00E+00	4.36E-06	4.96E-07	2.82E-07	0.00E+00	7.78E-07	2.77E-07	2.43E-07	0.00E+00	5.21E-07
1624	481725.78	3768185.56	2.8759E-06	1.1978E-06	0.00E+00	4.07E-06	2.85E-06	1.74E-06	0.00E+00	4.59E-06	5.23E-07	2.97E-07	0.00E+00	8.19E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
1625	481729.27	3768194.14	3.0248E-06	1.2598E-06	0.00E+00	4.28E-06	2.99E-06	1.83E-06	0.00E+00	4.83E-06	5.50E-07	3.12E-07	0.00E+00	8.62E-07	3.07E-07	2.69E-07	0.00E+00	5.76E-07
1626	481732.75	3768202.71	3.1803E-06	1.3246E-06	0.00E+00	4.50E-06	3.15E-06	1.93E-06	0.00E+00	5.07E-06	5.78E-07	3.28E-07	0.00E+00	9.06E-07	3.23E-07	2.83E-07	0.00E+00	6.06E-07
1627	481736.24	3768211.29	3.3391E-06	1.3907E-06	0.00E+00	4.73E-06	3.30E-06	2.02E-06	0.00E+00	5.33E-06	6.07E-07	3.45E-07	0.00E+00	9.51E-07	3.39E-07	2.97E-07	0.00E+00	6.36E-07
1628	481739.73	3768219.87	3.4991E-06	1.4573E-06	0.00E+00	4.96E-06	3.46E-06	2.12E-06	0.00E+00	5.58E-06	6.36E-07	3.61E-07	0.00E+00	9.97E-07	3.55E-07	3.12E-07	0.00E+00	6.67E-07
1629	481743.22	3768228.45	0.000003659	0.000001524	0.00E+00	5.18E-06	3.62E-06	2.22E-06	0.00E+00	5.84E-06	6.65E-07	3.78E-07	0.00E+00	1.04E-06	3.71E-07	3.26E-07	0.00E+00	6.97E-07
1630	481746.7	3768237.02	3.8185E-06	1.5904E-06	0.00E+00	5.41E-06	3.78E-06	2.31E-06	0.00E+00	6.09E-06	6.94E-07	3.94E-07	0.00E+00	1.09E-06	3.87E-07	3.40E-07	0.00E+00	7.28E-07
1631	481750.19	3768245.6	3.9778E-06	1.6567E-06	0.00E+00	5.63E-06	3.94E-06	2.41E-06	0.00E+00	6.35E-06	7.23E-07	4.11E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.58E-07
1632	481753.68	3768254.18	4.1367E-06	1.7229E-06	0.00E+00	5.86E-06	4.09E-06	2.51E-06	0.00E+00	6.60E-06	7.52E-07	4.27E-07	0.00E+00	1.18E-06	4.20E-07	3.69E-07	0.00E+00	7.88E-07
1633	481757.16	3768262.76	4.2919E-06	1.7876E-06	0.00E+00	6.08E-06	4.25E-06	2.60E-06	0.00E+00	6.85E-06	7.80E-07	4.43E-07	0.00E+00	1.22E-06	4.35E-07	3.82E-07	0.00E+00	8.18E-07
1634	481760.65	3768271.33	4.4414E-06	1.8498E-06	0.00E+00	6.29E-06	4.39E-06	2.69E-06	0.00E+00	7.09E-06	8.07E-07	4.58E-07	0.00E+00	1.27E-06	4.51E-07	3.96E-07	0.00E+00	8.46E-07
1635	481764.14	3768279.91	4.5838E-06	1.9091E-06	0.00E+00	6.49E-06	4.54E-06	2.78E-06	0.00E+00	7.31E-06	8.33E-07	4.73E-07	0.00E+00	1.31E-06	4.65E-07	4.08E-07	0.00E+00	8.73E-07
1636	481767.63	3768288.49	4.7172E-06	1.9647E-06	0.00E+00	6.68E-06	4.67E-06	2.86E-06	0.00E+00	7.53E-06	8.57E-07	4.87E-07	0.00E+00	1.34E-06	4.79E-07	4.20E-07	0.00E+00	8.99E-07
1637	481771.11	3768297.07	0.00000484	2.0159E-06	0.00E+00	6.86E-06	4.79E-06	2.93E-06	0.00E+00	7.72E-06	8.79E-07	5.00E-07	0.00E+00	1.38E-06	4.91E-07	4.31E-07	0.00E+00	9.22E-07
1638	481774.6	3768305.64	0.00000495	2.0617E-06	0.00E+00	7.01E-06	4.90E-06	3.00E-06	0.00E+00	7.90E-06	8.99E-07	5.11E-07	0.00E+00	1.41E-06	5.02E-07	4.41E-07	0.00E+00	9.43E-07
1639	481778.09	3768314.22	5.0462E-06	2.1017E-06	0.00E+00	7.15E-06	4.99E-06	3.06E-06	0.00E+00	8.05E-06	9.17E-07	5.21E-07	0.00E+00	1.44E-06	5.12E-07	4.50E-07	0.00E+00	9.61E-07
1640	481781.58	3768322.8	5.1279E-06	2.1357E-06	0.00E+00	7.26E-06	5.07E-06	3.11E-06	0.00E+00	8.18E-06	9.32E-07	5.29E-07	0.00E+00	1.46E-06	5.20E-07	4.57E-07	0.00E+00	9.77E-07
1641	481517.99	3768080.9	1.1859E-06	4.9392E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.15E-07	1.22E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
1642	481508.49	3768080.86	1.1581E-06	4.8235E-07	0.00E+00	1.64E-06	1.15E-06	7.02E-07	0.00E+00	1.85E-06	2.10E-07	1.20E-07	0.00E+00	3.30E-07	1.17E-07	1.03E-07	0.00E+00	2.21E-07
1643	481498.98	3768080.82	1.1315E-06	4.7125E-07	0.00E+00	1.60E-06	1.12E-06	6.86E-07	0.00E+00	1.81E-06	2.06E-07	1.17E-07	0.00E+00	3.22E-07	1.15E-07	1.01E-07	0.00E+00	2.16E-07
1644	481489.47	3768080.78	1.1053E-06	4.6034E-07	0.00E+00	1.57E-06	1.09E-06	6.70E-07	0.00E+00	1.76E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.85E-08	0.00E+00	2.11E-07
1645	481479.96	3768080.74	1.0796E-06	4.4963E-07	0.00E+00	1.53E-06	1.07E-06	6.54E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.08E-07	1.10E-07	9.62E-08	0.00E+00	2.06E-07
1646	481470.45	3768080.7	1.0533E-06	4.387E-07	0.00E+00	1.49E-06	1.04E-06	6.38E-07	0.00E+00	1.68E-06	1.91E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.38E-08	0.00E+00	2.01E-07
1647	481460.94	3768080.66	1.0278E-06	4.2808E-07	0.00E+00	1.46E-06	1.02E-06	6.23E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.16E-08	0.00E+00	1.96E-07
1648	481451.43	3768080.62	1.0032E-06	4.1783E-07	0.00E+00	1.42E-06	9.93E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.94E-08	0.00E+00	1.91E-07
1649	481441.92	3768080.58	9.7959E-07	0.000000408	0.00E+00	1.39E-06	9.69E-07	5.94E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.94E-08	8.73E-08	0.00E+00	1.87E-07
1650	481432.41	3768080.54	9.5693E-07	3.9856E-07	0.00E+00	1.36E-06	9.47E-07	5.80E-07	0.00E+00	1.53E-06	1.74E-07	9.88E-08	0.00E+00	2.73E-07	9.71E-08	8.53E-08	0.00E+00	1.82E-07
1651	481422.9	3768080.5	9.3529E-07	3.8955E-07	0.00E+00	1.32E-06	9.26E-07	5.67E-07	0.00E+00	1.49E-06	1.70E-07	9.65E-08	0.00E+00	2.66E-07	9.49E-08	8.33E-08	0.00E+00	1.78E-07
1652	481413.4	3768080.46	9.1484E-07	3.8103E-07	0.00E+00	1.30E-06	9.05E-07	5.54E-07	0.00E+00	1.46E-06	1.66E-07	9.44E-08	0.00E+00	2.61E-07	9.28E-08	8.15E-08	0.00E+00	1.74E-07
1653	481403.89	3768080.42	8.9556E-07	0.000000373	0.00E+00	1.27E-06	8.86E-07	5.43E-07	0.00E+00	1.43E-06	1.63E-07	9.24E-08	0.00E+00	2.55E-07	9.08E-08	7.98E-08	0.00E+00	1.71E-07
1654	481394.38	3768080.38	8.7746E-07	3.6546E-07	0.00E+00	1.24E-06	8.68E-07	5.32E-07	0.00E+00	1.40E-06	1.59E-07	9.06E-08	0.00E+00	2.50E-07	8.90E-08	7.82E-08	0.00E+00	1.67E-07
1655	481384.87	3768080.35	8.6052E-07	3.584E-07	0.00E+00	1.22E-06	8.52E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.88E-08	0.00E+00	2.45E-07	8.73E-08	7.67E-08	0.00E+00	1.64E-07
1656	481375.36	3768080.31	8.4466E-07	3.518E-07	0.00E+00	1.20E-06	8.36E-07	5.12E-07	0.00E+00	1.35E-06	1.53E-07	8.72E-08	0.00E+00	2.41E-07	8.57E-08	7.53E-08	0.00E+00	1.61E-07
1657	481365.85	3768080.27	8.2993E-07	3.4566E-07	0.00E+00	1.18E-06	8.21E-07	5.03E-07	0.00E+00	1.32E-06	1.51E-07	8.57E-08	0.00E+00	2.36E-07	8.42E-08	7.39E-08	0.00E+00	1.58E-07
1658	481356.34	3768080.23	8.1628E-07	3.3998E-07	0.00E+00	1.16E-06	8.08E-07	4.95E-07	0.00E+00	1.30E-06	1.48E-07	8.43E-08	0.00E+00	2.33E-07	8.28E-08	7.27E-08	0.00E+00	1.56E-07
1659	481346.83	3768080.19	8.0369E-07	3.3473E-07	0.00E+00	1.14E-06	7.95E-07	4.87E-07	0.00E+00	1.28E-06	1.46E-07	8.30E-08	0.00E+00	2.29E-07	8.15E-08	7.16E-08	0.00E+00	1.53E-07
1660	481337.32	3768080.15	7.9213E-07	3.2992E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.18E-08	0.00E+00	2.26E-07	8.04E-08	7.06E-08	0.00E+00	1.51E-07
1661	481552.95	3768081.77	0.000001293	5.3851E-07	0.00E+00	1.83E-06	1.28E-06	7.84E-07	0.00E+00	2.06E-06	2.35E-07	1.33E-07	0.00E+00	3.68E-07	1.31E-07	1.15E-07	0.00E+00	2.46E-07
1662	481561.42	3768085.33	1.3461E-06	5.6065E-07	0.00E+00	1.91E-06	1.33E-06	8.16E-07	0.00E+00	2.15E-06	2.45E-07	1.39E-07	0.00E+00	3.84E-07	1.37E-07	1.20E-07	0.00E+00	2.56E-07
1663	481569.89	3768088.88	1.4008E-06	5.8343E-07	0.00E+00	1.98E-06	1.39E-06	8.49E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
1664	481578.35	3768092.44	0.000001457	6.0684E-07	0.00E+00	2.06E-06	1.44E-06	8.83E-07	0.00E+00	2.32E-06	2.65E-07	1.50E-07	0.00E+00	4.15E-07	1.48E-07	1.30E-07	0.00E+00	2.78E-07
1665	481586.82	3768096	1.5146E-06	6.3081E-07	0.00E+00	2.15E-06	1.50E-06	9.18E-07	0.00E+00	2.42E-06	2.75E-07	1.56E-07	0.00E+00	4.32E-07	1.54E-07	1.35E-07	0.00E+00	2.89E-07
1666	481595.29	3768099.55	0.000001573	6.5516E-07	0.00E+00	2.23E-06	1.56E-06	9.53E-07	0.00E+00	2.51E-06	2.86E-07	1.62E-07	0.00E+00	4.48E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
1667	481603.76	3768103.11	1.6331E-06	6.8017E-07	0.00E+00	2.31E-06	1.62E-06	9.90E-07	0.00E+00	2.61E-06	2.97E-07	1.69E-07	0.00E+00	4.65E-07	1.66E-07	1.45E-07	0.00E+00	3.11E-07
1668	481612.23	3768106.67	1.6945E-06	7.0574E-07	0.00E+00	2.40E-06	1.68E-06	1.03E-06	0.00E+00	2.70E-06	3.08E-07	1.75E-07	0.00E+00	4.83E-07	1.72E-07	1.51E-07	0.00E+00	3.23E-07
1669	481620.69	3768110.22	1.7561E-06	7.3142E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.35E-07
1670	481629.16	3768113.78	1.8181E-06	7.5724E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.88E-07	0.00E+00	5.18E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
1671	481637.63	3768117.34	1.8787E-06	7.8248E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.41E-07	1.94E-07	0.00E+00	5.35E-07	1.91E-07	1.67E-07	0.00E+00	3.58E-07
1672	481646.1	3768120.9	1.9387E-06	8.0747E-07	0.00E+00	2.75E-06	1.92E-06	1.17E-06	0.00E+00	3.09E-06	3.52E-07	2.00E-07	0.00E+00	5.52E-07	1.97E-07	1.73E-07	0.00E+00	3.69E-07
1673	481654.57	3768124.45	1.9978E-06	8.3207E-07	0.00E+00	2.83E-06	1.98E-06	1.21E-06	0.00E+00	3.19E-06	3.63E-07	2.06E-07	0.00E+00	5.69E-07	2.03E-07	1.78E-07	0.00E+00	3.81E-07
1674	481663.04	3768128.01	2.0559E-06	8.5626E-07	0.00E+00	2.91E-06	2.03E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.12E-07	0.00E+00	5.86E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
1675	481671.5	3768131.57	2.1125E-06	8.7984E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1676	481679.97	3768135.12	2.1001E-06	8.7467E-07	0.00E+00	2.97E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.82E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07
1677	481688.44	3768138.68	2.1513E-06	8.9599E-07	0.00E+00	3.05E-06	2.13E-06	1.30E-06	0.00E+00	3.43E-06	3.91E-07	2.22E-07	0.00E+00	6.13E-07	2.18E-07	1.92E-07	0.00E+00	4.10E-07
1678	481696.91	3768142.24	2.2058E-06	9.1871E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.97E-07	0.00E+00	4.20E-07
1679	481705.38	3768145.79	2.2575E-06	9.4024E-07	0.00E+00	3.20E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.43E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
1680	481713.85	3768149.35	2.3058E-06	9.6037E-07	0.00E+00	3.27E-06	2.28E-06	1.40E-06	0.00E+00	3.68E-06	4.19E-07	2.38E-07	0.00E+00	6.57E-07	2.34E-07	2.05E-07	0.00E+00	4.39E-07
1681	481725.77	3768161.42	0.000002474	1.0304E-06	0.00E+00	3.50E-06	2.45E-06	1.50E-06	0.00E+00	3.95E-06	4.50E-07	2.55E-07	0.00E+00	7.05E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
1682	481729.23	3768169.92	2.6029E-06	1.0841E-06	0.00E+00	3.69E-06	2.58E-06	1.58E-06	0.00E+00	4.15E-06	4.73E-07	2.69E-07	0.00E+00	7.42E-07	2.64E-07	2.32E-07	0.00E+00	4.96E-07
1683	481732.69	3768178.43	2.7361E-06	1.1396E-06	0.00E+00	3.88E-06	2.71E-06	1.66E-06	0.00E+00	4.37E-06	4.97E-07	2.82E-07	0.00E+00	7.80E-07	2.78E-07	2.44E-07	0.00E+00	5.21E-07
1684	481736.15	3768186.94	2.8737E-06	1.1969E-06	0.00E+00	4.07E-06	2.84E-06	1.74E-06	0.00E+00	4.59E-06	5.22E-07	2.97E-07	0.00E+00	8.19E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
1685	481739.61	3768195.45	3.0153E-06	1.2559E-06	0.00E+00	4.27E-06	2.98E-06	1.83E-06	0.00E+00	4.81E-06	5.48E-07	3.11E-07	0.00E+00	8.59E-07	3.06E-07	2.69E-07	0.00E+00	5.75E-07
1686	481743.07	3768203.96	3.1615E-06	1.3167E-06	0.00E+00	4.48E-06	3.13E-06	1.92E-06	0.00E+00	5.04E-06	5.74E-07	3.26E-07	0.00E+00	9.01E-07	3.21E-07	2.82E-07	0.00E+00	6.02E-07
1687	481746.53	3768212.47	3.3092E-06	1.3783E-06	0.00E+00	4.69E-06	3.27E-06	2.01E-06	0.00E+00	5.28E-06	6.01E-07	3.42E-07	0.00E+00	9.43E-07	3.36E-07	2.95E-07	0.00E+00	6.31E-07
1688	481749.99	3768220.98	3.4577E-06	1.4401E-06	0.00E+00	4.90E-06	3.42E-06	2.10E-06	0.00E+00	5.52E-06	6.28E-07	3.57E-07	0.00E+00	9.85E-07	3.51E-07	3.08E-07	0.00E+00	6.59E-07
1689	481753.45	3768229.48	3.6081E-06	1.5028E-06	0.00E+00	5.11E-06	3.57E-06	2.19E-06	0.00E+00	5.76E-06	6.56E-07	3.72E-07	0.00E+00	1.03E-06	3.66E-07	3.21E-07	0.00E+00	6.87E-07
1690	481756.91	3768237.99	3.7586E-06	1.5654E-06	0.00E+00	5.32E-06	3.72E-06	2.28E-06	0.00E+00	6.00E-06	6.83E-07	3.88E-07	0.00E+00	1.07E-06	3.81E-07	3.35E-07	0.00E+00	7.16E-07
1691	481760.37	3768246.5	3.9077E-06	1.6275E-06	0.00E+00	5.54E-06	3.87E-06	2.37E-06	0.00E+00	6.23E-06	7.10E-07	4.03E-07	0.00E+00	1.11E-06	3.96E-07	3.48E-07	0.00E+00	7.45E-07
1692

1720	481337.36	3768070.31	7.5327E-07	3.1373E-07	0.00E+00	1.07E-06	7.45E-07	4.56E-07	0.00E+00	1.20E-06	1.37E-07	7.78E-08	0.00E+00	2.15E-07	7.64E-08	6.71E-08	0.00E+00	1.44E-07
1721	481552.8	3768071.85	1.2154E-06	5.0621E-07	0.00E+00	1.72E-06	1.20E-06	7.37E-07	0.00E+00	1.94E-06	2.21E-07	1.25E-07	0.00E+00	3.46E-07	1.23E-07	1.08E-07	0.00E+00	2.32E-07
1722	481561.21	3768075.38	0.000001264	5.2647E-07	0.00E+00	1.79E-06	1.25E-06	7.66E-07	0.00E+00	2.02E-06	2.30E-07	1.30E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1723	481569.61	3768078.91	1.3142E-06	5.4735E-07	0.00E+00	1.86E-06	1.30E-06	7.96E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
1724	481578.02	3768082.44	1.3657E-06	5.6882E-07	0.00E+00	1.93E-06	1.35E-06	8.28E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.89E-07	1.39E-07	1.22E-07	0.00E+00	2.60E-07
1725	481586.42	3768085.97	1.4185E-06	5.908E-07	0.00E+00	2.01E-06	1.40E-06	8.60E-07	0.00E+00	2.26E-06	2.58E-07	1.46E-07	0.00E+00	4.04E-07	1.44E-07	1.26E-07	0.00E+00	2.70E-07
1726	481594.83	3768089.5	1.4724E-06	6.1324E-07	0.00E+00	2.09E-06	1.46E-06	8.92E-07	0.00E+00	2.35E-06	2.68E-07	1.52E-07	0.00E+00	4.20E-07	1.49E-07	1.31E-07	0.00E+00	2.81E-07
1727	481603.23	3768093.03	1.5276E-06	6.3623E-07	0.00E+00	2.16E-06	1.51E-06	9.26E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.35E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
1728	481611.64	3768096.56	1.5842E-06	6.5981E-07	0.00E+00	2.24E-06	1.57E-06	9.60E-07	0.00E+00	2.53E-06	2.88E-07	1.64E-07	0.00E+00	4.51E-07	1.61E-07	1.41E-07	0.00E+00	3.02E-07
1729	481620.04	3768100.1	1.6415E-06	6.8366E-07	0.00E+00	2.33E-06	1.62E-06	9.95E-07	0.00E+00	2.62E-06	2.98E-07	1.69E-07	0.00E+00	4.68E-07	1.67E-07	1.46E-07	0.00E+00	3.13E-07
1730	481628.45	3768103.63	0.000001699	7.0761E-07	0.00E+00	2.41E-06	1.68E-06	1.03E-06	0.00E+00	2.71E-06	3.09E-07	1.75E-07	0.00E+00	4.84E-07	1.72E-07	1.51E-07	0.00E+00	3.24E-07
1731	481636.85	3768107.16	1.7555E-06	7.3116E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1732	481645.26	3768110.69	1.8116E-06	7.5453E-07	0.00E+00	2.57E-06	1.79E-06	1.10E-06	0.00E+00	2.89E-06	3.29E-07	1.87E-07	0.00E+00	5.16E-07	1.84E-07	1.61E-07	0.00E+00	3.45E-07
1733	481653.66	3768114.22	1.8672E-06	7.7768E-07	0.00E+00	2.64E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.39E-07	1.93E-07	0.00E+00	5.32E-07	1.89E-07	1.66E-07	0.00E+00	3.56E-07
1734	481662.07	3768117.75	0.000001922	8.0051E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.07E-06	3.49E-07	1.98E-07	0.00E+00	5.48E-07	1.95E-07	1.71E-07	0.00E+00	3.66E-07
1735	481670.47	3768121.28	1.9758E-06	8.2291E-07	0.00E+00	2.80E-06	1.96E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.63E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
1736	481678.88	3768124.81	1.9641E-06	8.1805E-07	0.00E+00	2.78E-06	1.94E-06	1.19E-06	0.00E+00	3.13E-06	3.57E-07	2.03E-07	0.00E+00	5.60E-07	1.99E-07	1.75E-07	0.00E+00	3.74E-07
1737	481687.28	3768128.34	2.0115E-06	8.3778E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.65E-07	2.08E-07	0.00E+00	5.73E-07	2.04E-07	1.79E-07	0.00E+00	3.83E-07
1738	481695.69	3768131.87	2.0614E-06	8.5856E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.29E-06	3.75E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.84E-07	0.00E+00	3.93E-07
1739	481704.09	3768135.4	2.1115E-06	8.7941E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1740	481712.5	3768138.93	2.1601E-06	8.9965E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.92E-07	2.23E-07	0.00E+00	6.15E-07	2.19E-07	1.92E-07	0.00E+00	4.12E-07
1741	481720.91	3768142.46	2.2053E-06	9.1849E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07
1742	481732.74	3768154.44	2.3612E-06	9.8345E-07	0.00E+00	3.34E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.29E-07	2.44E-07	0.00E+00	6.73E-07	2.40E-07	2.10E-07	0.00E+00	4.50E-07
1743	481736.18	3768162.88	2.4824E-06	1.0339E-06	0.00E+00	3.52E-06	2.46E-06	1.50E-06	0.00E+00	3.96E-06	4.51E-07	2.56E-07	0.00E+00	7.07E-07	2.52E-07	2.21E-07	0.00E+00	4.73E-07
1744	481743.04	3768179.77	2.7345E-06	1.1389E-06	0.00E+00	3.87E-06	2.71E-06	1.66E-06	0.00E+00	4.36E-06	4.97E-07	2.82E-07	0.00E+00	7.79E-07	2.77E-07	2.44E-07	0.00E+00	5.21E-07
1745	481746.48	3768188.22	2.8658E-06	1.1936E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.57E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.55E-07	0.00E+00	5.46E-07
1746	481749.91	3768196.66	3.0002E-06	1.2496E-06	0.00E+00	4.25E-06	2.97E-06	1.82E-06	0.00E+00	4.79E-06	5.45E-07	3.10E-07	0.00E+00	8.55E-07	3.04E-07	2.67E-07	0.00E+00	5.72E-07
1747	481756.78	3768213.55	3.2747E-06	1.3639E-06	0.00E+00	4.64E-06	3.24E-06	1.98E-06	0.00E+00	5.23E-06	5.95E-07	3.38E-07	0.00E+00	9.33E-07	3.32E-07	2.92E-07	0.00E+00	6.24E-07
1748	481760.21	3768222	3.4161E-06	1.4228E-06	0.00E+00	4.84E-06	3.38E-06	2.07E-06	0.00E+00	5.45E-06	6.21E-07	3.53E-07	0.00E+00	9.73E-07	3.47E-07	3.04E-07	0.00E+00	6.51E-07
1749	481763.65	3768230.44	3.5574E-06	1.4816E-06	0.00E+00	5.04E-06	3.52E-06	2.16E-06	0.00E+00	5.68E-06	6.46E-07	3.67E-07	0.00E+00	1.01E-06	3.61E-07	3.17E-07	0.00E+00	6.78E-07
1750	481767.08	3768238.89	3.6974E-06	1.5399E-06	0.00E+00	5.24E-06	3.66E-06	2.24E-06	0.00E+00	5.90E-06	6.72E-07	3.82E-07	0.00E+00	1.05E-06	3.75E-07	3.29E-07	0.00E+00	7.04E-07
1751	481773.95	3768255.78	3.9702E-06	1.6536E-06	0.00E+00	5.62E-06	3.93E-06	2.41E-06	0.00E+00	6.33E-06	7.21E-07	4.10E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.56E-07
1752	481777.38	3768264.22	4.1006E-06	1.7079E-06	0.00E+00	5.81E-06	4.06E-06	2.49E-06	0.00E+00	6.54E-06	7.45E-07	4.23E-07	0.00E+00	1.17E-06	4.16E-07	3.65E-07	0.00E+00	7.81E-07
1753	481780.81	3768272.67	4.2253E-06	1.7598E-06	0.00E+00	5.99E-06	4.18E-06	2.56E-06	0.00E+00	6.74E-06	7.68E-07	4.36E-07	0.00E+00	1.20E-06	4.29E-07	3.76E-07	0.00E+00	8.05E-07
1754	481787.68	3768289.56	4.4527E-06	1.8545E-06	0.00E+00	6.31E-06	4.41E-06	2.70E-06	0.00E+00	7.10E-06	8.09E-07	4.60E-07	0.00E+00	1.27E-06	4.52E-07	3.97E-07	0.00E+00	8.48E-07
1755	481791.11	3768298.01	4.5534E-06	1.8965E-06	0.00E+00	6.45E-06	4.51E-06	2.76E-06	0.00E+00	7.27E-06	8.27E-07	4.70E-07	0.00E+00	1.30E-06	4.62E-07	4.06E-07	0.00E+00	8.68E-07
1756	481794.55	3768306.45	4.6434E-06	1.9339E-06	0.00E+00	6.58E-06	4.59E-06	2.81E-06	0.00E+00	7.41E-06	8.44E-07	4.79E-07	0.00E+00	1.32E-06	4.71E-07	4.14E-07	0.00E+00	8.85E-07
1757	481797.98	3768314.9	4.7218E-06	1.9666E-06	0.00E+00	6.69E-06	4.67E-06	2.86E-06	0.00E+00	7.53E-06	8.58E-07	4.87E-07	0.00E+00	1.35E-06	4.79E-07	4.21E-07	0.00E+00	9.00E-07
1758	481518.08	3768061.22	1.0541E-06	4.3903E-07	0.00E+00	1.49E-06	1.04E-06	6.39E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.39E-08	0.00E+00	2.01E-07
1759	481508.57	3768061.18	1.0302E-06	4.2909E-07	0.00E+00	1.46E-06	1.02E-06	6.24E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.94E-07	1.05E-07	9.18E-08	0.00E+00	1.96E-07
1760	481499.06	3768061.14	1.0074E-06	4.1958E-07	0.00E+00	1.43E-06	9.97E-07	6.11E-07	0.00E+00	1.61E-06	1.83E-07	1.04E-07	0.00E+00	2.87E-07	1.02E-07	8.98E-08	0.00E+00	1.92E-07
1761	481489.55	3768061.1	9.8498E-07	4.1024E-07	0.00E+00	1.40E-06	9.75E-07	5.97E-07	0.00E+00	1.57E-06	1.79E-07	1.02E-07	0.00E+00	2.81E-07	9.99E-08	8.78E-08	0.00E+00	1.88E-07
1762	481480.04	3768061.06	9.6304E-07	4.011E-07	0.00E+00	1.36E-06	9.53E-07	5.84E-07	0.00E+00	1.54E-06	1.75E-07	9.94E-08	0.00E+00	2.74E-07	9.77E-08	8.58E-08	0.00E+00	1.83E-07
1763	481470.53	3768061.02	9.4071E-07	3.918E-07	0.00E+00	1.33E-06	9.31E-07	5.70E-07	0.00E+00	1.50E-06	1.71E-07	9.71E-08	0.00E+00	2.68E-07	9.54E-08	8.38E-08	0.00E+00	1.79E-07
1764	481461.02	3768060.98	9.1905E-07	3.8278E-07	0.00E+00	1.30E-06	9.09E-07	5.57E-07	0.00E+00	1.47E-06	1.67E-07	9.49E-08	0.00E+00	2.62E-07	9.32E-08	8.19E-08	0.00E+00	1.75E-07
1765	481451.51	3768060.94	8.9812E-07	3.7406E-07	0.00E+00	1.27E-06	8.89E-07	5.44E-07	0.00E+00	1.43E-06	1.63E-07	9.27E-08	0.00E+00	2.56E-07	9.11E-08	8.00E-08	0.00E+00	1.71E-07
1766	481442	3768060.9	8.7807E-07	3.6571E-07	0.00E+00	1.24E-06	8.69E-07	5.32E-07	0.00E+00	1.40E-06	1.60E-07	9.06E-08	0.00E+00	2.50E-07	8.91E-08	7.82E-08	0.00E+00	1.67E-07
1767	481432.5	3768060.87	8.5887E-07	3.5772E-07	0.00E+00	1.22E-06	8.50E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.87E-08	0.00E+00	2.45E-07	8.71E-08	7.65E-08	0.00E+00	1.64E-07
1768	481422.99	3768060.83	8.4046E-07	3.5005E-07	0.00E+00	1.19E-06	8.32E-07	5.09E-07	0.00E+00	1.34E-06	1.53E-07	8.68E-08	0.00E+00	2.39E-07	8.53E-08	7.49E-08	0.00E+00	1.60E-07
1769	481413.48	3768060.79	8.2301E-07	3.4278E-07	0.00E+00	1.17E-06	8.14E-07	4.99E-07	0.00E+00	1.31E-06	1.50E-07	8.49E-08	0.00E+00	2.34E-07	8.35E-08	7.33E-08	0.00E+00	1.57E-07
1770	481403.97	3768060.75	8.0656E-07	3.3593E-07	0.00E+00	1.14E-06	7.98E-07	4.89E-07	0.00E+00	1.29E-06	1.47E-07	8.33E-08	0.00E+00	2.30E-07	8.18E-08	7.19E-08	0.00E+00	1.54E-07
1771	481394.46	3768060.71	7.9108E-07	3.2948E-07	0.00E+00	1.12E-06	7.83E-07	4.79E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.25E-07	8.02E-08	7.05E-08	0.00E+00	1.51E-07
1772	481384.95	3768060.67	7.7653E-07	3.2342E-07	0.00E+00	1.10E-06	7.68E-07	4.71E-07	0.00E+00	1.24E-06	1.41E-07	8.02E-08	0.00E+00	2.21E-07	7.88E-08	6.92E-08	0.00E+00	1.48E-07
1773	481375.44	3768060.63	7.6289E-07	3.1774E-07	0.00E+00	1.08E-06	7.55E-07	4.62E-07	0.00E+00	1.22E-06	1.39E-07	7.87E-08	0.00E+00	2.17E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
1774	481365.93	3768060.59	7.5019E-07	3.1245E-07	0.00E+00	1.06E-06	7.42E-07	4.55E-07	0.00E+00	1.20E-06	1.36E-07	7.74E-08	0.00E+00	2.14E-07	7.61E-08	6.68E-08	0.00E+00	1.43E-07
1775	481356.42	3768060.55	7.3839E-07	3.0754E-07	0.00E+00	1.05E-06	7.31E-07	4.47E-07	0.00E+00	1.18E-06	1.34E-07	7.62E-08	0.00E+00	2.10E-07	7.49E-08	6.58E-08	0.00E+00	1.41E-07
1776	481346.91	3768060.51	7.2747E-07	3.0299E-07	0.00E+00	1.03E-06	7.20E-07	4.41E-07	0.00E+00	1.16E-06	1.32E-07	7.51E-08	0.00E+00	2.07E-07	7.38E-08	6.48E-08	0.00E+00	1.39E-07
1777	481337.41	3768060.47	7.1741E-07	2.988E-07	0.00E+00	1.02E-06	7.10E-07	4.35E-07	0.00E+00	1.14E-06	1.30E-07	7.41E-08	0.00E+00	2.04E-07	7.28E-08	6.39E-08	0.00E+00	1.37E-07
1778	481553.71	3768062.38	1.1502E-06	4.7907E-07	0.00E+00	1.63E-06	1.14E-06	6.97E-07	0.00E+00	1.84E-06	2.09E-07	1.19E-07	0.00E+00	3.28E-07	1.17E-07	1.02E-07	0.00E+00	2.19E-07
1779	481562.41	3768066.03	1.1969E-06	4.9852E-07	0.00E+00	1.70E-06	1.18E-06	7.25E-07	0.00E+00	1.91E-06	2.17E-07	1.24E-07	0.00E+00	3.41E-07	1.21E-07	1.07E-07	0.00E+00	2.28E-07
1780	481571.1	3768069.68	1.2452E-06	5.186E-07	0.00E+00	1.76E-06	1.23E-06	7.55E-07	0.00E+00	1.99E-06	2.26E-07	1.29E-07	0.00E+00	3.55E-07	1.26E-07	1.11E-07	0.00E+00	2.37E-07
1781	481579.8	3768073.33	1.2948E-06	5.393E-07	0.00E+00	1.83E-06	1.28E-06	7.85E-07	0.00E+00	2.07E-06	2.35E-07	1.34E-07	0.00E+00	3.69E-07	1.31E-07	1.15E-07	0.00E+00	2.47E-07
1782	481588.49	3768076.99	1.3457E-06	5.6047E-07	0.00E+00	1.91E-06	1.33E-06	8.16E-07	0.00E+00	2.15E-06	2.45E-07	1.39E-07	0.00E+00	3.83E-07	1.37E-07	1.20E-07	0.00E+00	2.56E-07
1783	481597.19	3768080.64	1.3977E-06	5.8213E-07	0.00E+00	1.98E-06	1.38E-06	8.47E-07	0.00E+00	2.23E-06	2.54E-07	1.44E-07	0.00E+00	3.98E-07	1.42E-07	1.25E-07	0.00E+00	2.66E-07
1784	481605.88	3768084.29	1.4513E-06	6.0446E-07	0.00E+00	2.06E-06	1.44E-06	8.80E-07	0.00E+00	2.32E-06	2.64E-07	1.50E-07	0.00E+00	4.14E-07	1.47E-07	1.29E-07	0.00E+00	2.77E-07
1785	481623.27	3768091.6	1.5615E-06	6.5035E-07	0.00E+00	2.21E-06	1.55E-06	9.46E-07	0.00E+00	2.49E-06	2.84E-07	1.61E-07	0.00E+00	4.45E-07	1.58E-07	1.39E-07	0.00E+00	2.98E-07
1786	481631.97	3768095.25	1.6169E-06	6.7345E-07	0.00E+00	2.29E-06	1.60E-06	9.80E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
1787	481640.66	3768098.9	1.6716E-06	6.9622E-07	0.00E+00	2.37E-06	1.65E-06	1.01E-06	0.00E+00	2.67E-06	3.04E-07	1.73E-07	0.00E+00	4.76E-07	1.70E-07	1.49E-07	0.00E+00	3.18E-07
1788	481649.36	3768102.55	1.7261E-06	7.1891E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.75E-06	3.14E-07	1.78E-07	0.00E+00	4.92E-07	1.75E-07	1.54E-07	0.00E+00	3.29E-07
1789	481658.05	3768106.2	1.7801E-06	7.4141E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.23E-07	1.84E-07	0.00E+00	5.07E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07
1790	481666.75	3768109.86	1.8336E-06	7.6367E-07	0.00E+00	2.60E-06	1.81E-06	1.11E-06	0.00E+00	2.93E-06	3.33E-07	1.89E-07	0.00E+00	5.22E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
1791	481675.44	3768113.51	1.8259E-06	7.6049E-07	0.00E+00	2.59E-06	1.81E-06	1.11E-06	0.00E+00	2.91E-06	3.32E-07	1.88E-07	0.00E+00	5.20E-07	1.85E-07	1.63E-07	0.00E+00	3.48E-07
1792	481684.14	3768117.16	1.8731E-06	7.8013E-07	0.00E+00	2.65E-06	1.85E-06	1.14E-06	0.00E+00	2.99E-06	3.40E-07	1.93E-07	0.00E+00	5.34E-07	1.90E-07	1.67E-07	0.00E+00	3.57E-07
1793	481692.83	3768120.81	1.9212E-06	8.0016E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.07E-06	3.49E-07	1.98E-07	0.00E+00	5.47E-07	1.95E-07	1.71E-07	0.00E+00	3.66E-07
1794	481701.53	3768124.47	1.9716E-06	8.2118E-07	0.00E+00	2.79E-06	1.95E-06	1.19E-06	0.00E+00	3.15E-06	3.58E-07	2.04E-07	0.00E+00	5.62E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
1795	481710.22	3768128.12	2.0204E-06	8.415E-07	0.00E+00	2.86E-06	2.00E-06	1.22E-06	0.00E+00	3.22E-06	3.67E-07	2.09E-07	0.00E+00	5.76E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1796	481718.92	3768131.77	2.0674E-06	8.6107E-07	0.00E+00	2.93E-06	2.05E-06	1.25E-06	0.00E+00	3.30E-06	3.76E-07	2.13E-07	0.00E+00	5.89E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07
1797	481727.61	3768135.42	2.1078E-06	8.7788E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.36E-06	3.83E-07	2.18E-07	0.00E+00	6.01E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1798	481739.86	3768147.81	2.2592E-06	9.4093E-07	0.00E+00	3.20E-06	2.24E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.44E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
1799	481743.41	3768156.55	2.3776E-06	9.9027E-07	0.00E+00	3.37E-06	2.35E-06	1.44E-06	0.00E+00	3.79E-06	4.32E-07	2.45E-07	0.00E+00	6.77E-07	2.41E-07	2.12E-07	0.00E+00	4.53E-07
1800	481746.96	3768165.28	2.5014E-06	1.0418E-06	0.00E+00	3.54E-06	2.48E-06	1.52E-06	0.00E+00	3.99E-06	4.55E-07	2.58E-07	0.00E+00	7.13E-07	2.54E-07	2.23E-07	0.00E+00	4.77E-07
1801	481750.52	3768174.02	2.6256E-06	1.0936E-06	0.00E+00	3.72E-06	2.60E-06	1.59E-06	0.00E+00	4.19E-06	4.77E-07	2.71E-07	0.00E+00	7.48E-07	2.66E-07	2.34E-07	0.00E+00	5.00E-07
1802	481754.07	3768182.76	2.7511E-06	1.1458E-06	0.00E+00	3.90E-06	2.72E-06	1.67E-06	0.00E+00	4.39E-06	5.00E-07	2.84E-07	0.00E+00	7.84E-07	2.79E-07	2.45E-07	0.00E+00	5.24E-07
1803	481757.62	3768191.49	2.8797E-06	1.1994E-06	0.00E+00	4.08E-06	2.85E-06	1.75E-06	0.00E+00	4.59E-06	5.23E-07	2.97E-07	0.00E+00	8.20E-07	2.92E-07	2.57E-07	0.00E+00	5.49E-07
1804	481761.17	3768200.23	3.0122E-06	1.2546E-06	0.00E+00	4.27E-06	2.98E-06	1.83E-06	0.00E+00	4.81E-06	5.47E-07	3.11E-07	0.00E+00	8.58E-07	3.06E-07	2.68E-07	0.00E+00	5.74E-07
1805	481764.72	3768208.97	3.1489E-06	1.3115E-06	0.00E+00	4.46E-06	3.12E-06	1.91E-06	0.00E+00	5.02E-06	5.72E-07	3.25E-07	0.00E+00	8.97E-07	3.19E-07	2.81E-07	0.00E+00	6.00E-07
1806	481768.27	3768217.7	3.2874E-06	1.3692E-06	0.00E+00	4.66E-06	3.25E-06	1.99E-06	0.00E+00	5.25E-06	5.97E-07	3.39E-07	0.00E+00	9.37E-07	3.33E-07	2.93E-07	0.00E+00	6.26E-07
1807	481771.83	3768226.44	3.4271E-06	1.4274E-06	0.00E+00	4.85E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.76E-07	3.48E-07	3.05E-07	0.00E+00	6.53E-07
1808	481775.38	3768235.18	3.5635E-06	1.4842E-06	0.00E+00	5.05E-06	3.53E-06	2.16E-06	0.00E+00	5.69E-06	6.47E-07	3.68E-07	0.00E+00	1.02E-06	3.61E-07	3.17E-07	0.00E+00	6.79E-07
1809	481778.93	3768243.91	3.6978E-06	1.5401E-06	0.00E+00	5.24E-06	3.66E-06	2.24E-06	0.00E+00	5.90E-06	6.72E-07	3.82E-07	0.00E+00	1.05E-06	3.75E-07	3.29E-07	0.00E+00	7.05E-07
1810	481782.48	3768252.65	3.8285E-06	1.5946E-06	0.00E+00	5.42E-06	3.79E-06	2.32E-06	0.00E+00	6.11E-06	6.96E-07	3.95E-07	0.00E+00	1.09E-06	3.88E-07	3.41E-07	0.00E+00	7.29E-07
1811	481786.03	3768261.38	3.9551E-06	1.6473E-06	0.00E+00	5.60E-06	3.91E-06	2.40E-06	0.00E+00	6.31E-06	7.19E-07	4.08E-07	0.00E+00	1.13E-06	4.01E-07	3.52E-07	0.00E+00	7.54E-07
1812	481789.59	3768270.12	4.0765E-06	1.6978E-06	0.00E+00	5.77E-06	4.03E-06	2.47E-06	0.00E+00	6.50E-06	7.41E-07	4.21E-07	0.00E+00	1.16E-06	4.14E-07	3.63E-07	0.00E+00	7.77E-07
1813	481793.14	3768278.86	4.1915E-06	1.7457E-06	0.00E+00	5.94E-06	4.15E-06	2.54E-06	0.00E+00	6.69E-06	7.62E-07	4.33E-07	0.00E+00	1.19E-06	4.25E-07	3.73E-07	0.00E+00	7.99E-07
1814	481796.69	3768287.59	4.2986E-06	1.7903E-06	0.00E+00	6.09E-06	4.25E-06	2.61E-06	0.00E+00	6.86E-06	7.81E-07	4.44E-07	0.00E+00	1.22E-06	4.36E-07	3.83E-07	0.00E+00

1843	481588.05	3768066.94	1.2651E-06	5.269E-07	0.00E+00	1.79E-06	1.25E-06	7.67E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1844	481596.67	3768070.57	0.000001313	5.4686E-07	0.00E+00	1.86E-06	1.30E-06	7.96E-07	0.00E+00	2.09E-06	2.39E-07	1.36E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
1845	481605.3	3768074.19	1.3621E-06	5.6729E-07	0.00E+00	1.93E-06	1.35E-06	8.25E-07	0.00E+00	2.17E-06	2.47E-07	1.41E-07	0.00E+00	3.88E-07	1.38E-07	1.21E-07	0.00E+00	2.60E-07
1846	481613.92	3768077.81	1.4124E-06	5.8827E-07	0.00E+00	2.00E-06	1.40E-06	8.56E-07	0.00E+00	2.25E-06	2.57E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1847	481622.55	3768081.44	1.4638E-06	6.0965E-07	0.00E+00	2.07E-06	1.45E-06	8.87E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.48E-07	1.30E-07	0.00E+00	2.79E-07
1848	481631.17	3768085.06	1.5153E-06	6.3112E-07	0.00E+00	2.15E-06	1.50E-06	9.18E-07	0.00E+00	2.42E-06	2.75E-07	1.56E-07	0.00E+00	4.32E-07	1.54E-07	1.35E-07	0.00E+00	2.89E-07
1849	481639.8	3768088.68	1.5662E-06	6.5232E-07	0.00E+00	2.22E-06	1.55E-06	9.49E-07	0.00E+00	2.50E-06	2.85E-07	1.62E-07	0.00E+00	4.46E-07	1.59E-07	1.40E-07	0.00E+00	2.98E-07
1850	481648.42	3768092.3	1.6171E-06	6.7352E-07	0.00E+00	2.29E-06	1.60E-06	9.80E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
1851	481657.05	3768095.93	1.6679E-06	6.9469E-07	0.00E+00	2.36E-06	1.65E-06	1.01E-06	0.00E+00	2.66E-06	3.03E-07	1.72E-07	0.00E+00	4.75E-07	1.69E-07	1.49E-07	0.00E+00	3.18E-07
1852	481665.67	3768099.55	1.7181E-06	7.1559E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.90E-07	1.74E-07	1.53E-07	0.00E+00	3.27E-07
1853	481674.3	3768103.17	1.7677E-06	7.3623E-07	0.00E+00	2.50E-06	1.75E-06	1.07E-06	0.00E+00	2.82E-06	3.21E-07	1.82E-07	0.00E+00	5.04E-07	1.79E-07	1.57E-07	0.00E+00	3.37E-07
1854	481682.93	3768106.8	1.7556E-06	7.312E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1855	481691.55	3768110.42	1.8006E-06	7.4993E-07	0.00E+00	2.55E-06	1.78E-06	1.09E-06	0.00E+00	2.87E-06	3.27E-07	1.86E-07	0.00E+00	5.13E-07	1.83E-07	1.60E-07	0.00E+00	3.43E-07
1856	481700.18	3768114.04	1.8487E-06	7.6996E-07	0.00E+00	2.62E-06	1.83E-06	1.12E-06	0.00E+00	2.95E-06	3.36E-07	1.91E-07	0.00E+00	5.27E-07	1.88E-07	1.65E-07	0.00E+00	3.52E-07
1857	481708.8	3768117.67	1.8956E-06	7.8952E-07	0.00E+00	2.69E-06	1.88E-06	1.15E-06	0.00E+00	3.02E-06	3.44E-07	1.96E-07	0.00E+00	5.40E-07	1.92E-07	1.69E-07	0.00E+00	3.61E-07
1858	481717.43	3768121.29	0.000001941	8.0844E-07	0.00E+00	2.75E-06	1.92E-06	1.18E-06	0.00E+00	3.10E-06	3.53E-07	2.00E-07	0.00E+00	5.53E-07	1.97E-07	1.73E-07	0.00E+00	3.70E-07
1859	481726.05	3768124.91	1.9814E-06	8.2525E-07	0.00E+00	2.81E-06	1.96E-06	1.20E-06	0.00E+00	3.16E-06	3.60E-07	2.05E-07	0.00E+00	5.65E-07	2.01E-07	1.77E-07	0.00E+00	3.78E-07
1860	481734.68	3768128.53	2.0187E-06	8.4077E-07	0.00E+00	2.86E-06	2.00E-06	1.22E-06	0.00E+00	3.22E-06	3.67E-07	2.08E-07	0.00E+00	5.75E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1861	481746.83	3768140.82	2.1577E-06	8.9868E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.44E-06	3.92E-07	2.23E-07	0.00E+00	6.15E-07	2.19E-07	1.92E-07	0.00E+00	4.11E-07
1862	481750.35	3768149.49	2.2683E-06	9.4472E-07	0.00E+00	3.21E-06	2.24E-06	1.37E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.46E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
1863	481753.87	3768158.16	2.3826E-06	9.9234E-07	0.00E+00	3.37E-06	2.36E-06	1.44E-06	0.00E+00	3.80E-06	4.33E-07	2.46E-07	0.00E+00	6.79E-07	2.42E-07	2.12E-07	0.00E+00	4.54E-07
1864	481757.4	3768166.82	2.5002E-06	1.0413E-06	0.00E+00	3.54E-06	2.47E-06	1.52E-06	0.00E+00	3.99E-06	4.54E-07	2.58E-07	0.00E+00	7.12E-07	2.54E-07	2.23E-07	0.00E+00	4.76E-07
1865	481760.92	3768175.49	2.6168E-06	1.0899E-06	0.00E+00	3.71E-06	2.59E-06	1.59E-06	0.00E+00	4.18E-06	4.75E-07	2.70E-07	0.00E+00	7.46E-07	2.65E-07	2.33E-07	0.00E+00	4.99E-07
1866	481764.45	3768184.16	2.7366E-06	1.1398E-06	0.00E+00	3.88E-06	2.71E-06	1.66E-06	0.00E+00	4.37E-06	4.97E-07	2.82E-07	0.00E+00	7.80E-07	2.78E-07	2.44E-07	0.00E+00	5.21E-07
1867	481767.97	3768192.82	2.8589E-06	1.1907E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.56E-06	5.19E-07	2.95E-07	0.00E+00	8.15E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
1868	481771.49	3768201.49	2.9857E-06	1.2435E-06	0.00E+00	4.23E-06	2.95E-06	1.81E-06	0.00E+00	4.76E-06	5.42E-07	3.08E-07	0.00E+00	8.51E-07	3.03E-07	2.66E-07	0.00E+00	5.69E-07
1869	481775.02	3768210.16	0.000003116	1.2978E-06	0.00E+00	4.41E-06	3.08E-06	1.89E-06	0.00E+00	4.97E-06	5.66E-07	3.22E-07	0.00E+00	8.88E-07	3.16E-07	2.78E-07	0.00E+00	5.94E-07
1870	481778.54	3768218.82	3.2476E-06	1.3526E-06	0.00E+00	4.60E-06	3.21E-06	1.97E-06	0.00E+00	5.18E-06	5.90E-07	3.35E-07	0.00E+00	9.25E-07	3.29E-07	2.89E-07	0.00E+00	6.19E-07
1871	481782.06	3768227.49	0.000003378	1.4069E-06	0.00E+00	4.78E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.62E-07	3.43E-07	3.01E-07	0.00E+00	6.44E-07
1872	481785.59	3768236.16	3.5036E-06	1.4592E-06	0.00E+00	4.96E-06	3.47E-06	2.12E-06	0.00E+00	5.59E-06	6.37E-07	3.62E-07	0.00E+00	9.98E-07	3.55E-07	3.12E-07	0.00E+00	6.68E-07
1873	481789.11	3768244.82	3.6273E-06	1.5108E-06	0.00E+00	5.14E-06	3.59E-06	2.20E-06	0.00E+00	5.79E-06	6.59E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.91E-07
1874	481792.63	3768253.49	3.7484E-06	1.5612E-06	0.00E+00	5.31E-06	3.71E-06	2.27E-06	0.00E+00	5.98E-06	6.81E-07	3.87E-07	0.00E+00	1.07E-06	3.80E-07	3.34E-07	0.00E+00	7.14E-07
1875	481796.16	3768262.16	3.8654E-06	1.6099E-06	0.00E+00	5.48E-06	3.82E-06	2.34E-06	0.00E+00	6.17E-06	7.02E-07	3.99E-07	0.00E+00	1.10E-06	3.92E-07	3.44E-07	0.00E+00	7.36E-07
1876	481799.68	3768270.82	3.9772E-06	1.6565E-06	0.00E+00	5.63E-06	3.94E-06	2.41E-06	0.00E+00	6.35E-06	7.23E-07	4.11E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.58E-07
1877	481803.2	3768279.49	4.0827E-06	1.7004E-06	0.00E+00	5.78E-06	4.04E-06	2.47E-06	0.00E+00	6.51E-06	7.42E-07	4.21E-07	0.00E+00	1.16E-06	4.14E-07	3.64E-07	0.00E+00	7.78E-07
1878	481806.73	3768288.16	4.1806E-06	1.7412E-06	0.00E+00	5.92E-06	4.14E-06	2.53E-06	0.00E+00	6.67E-06	7.60E-07	4.32E-07	0.00E+00	1.19E-06	4.24E-07	3.72E-07	0.00E+00	7.97E-07
1879	481810.25	3768296.82	4.2696E-06	1.7782E-06	0.00E+00	6.05E-06	4.22E-06	2.59E-06	0.00E+00	6.81E-06	7.76E-07	4.41E-07	0.00E+00	1.22E-06	4.33E-07	3.80E-07	0.00E+00	8.13E-07
1880	481813.77	3768305.49	4.3485E-06	1.8111E-06	0.00E+00	6.16E-06	4.30E-06	2.64E-06	0.00E+00	6.94E-06	7.90E-07	4.49E-07	0.00E+00	1.24E-06	4.41E-07	3.87E-07	0.00E+00	8.29E-07
1881	481817.3	3768314.16	4.4167E-06	1.8395E-06	0.00E+00	6.26E-06	4.37E-06	2.68E-06	0.00E+00	7.05E-06	8.03E-07	4.56E-07	0.00E+00	1.26E-06	4.48E-07	3.93E-07	0.00E+00	8.42E-07
1882	481820.82	3768322.82	4.4727E-06	1.8629E-06	0.00E+00	6.34E-06	4.43E-06	2.71E-06	0.00E+00	7.14E-06	8.13E-07	4.62E-07	0.00E+00	1.27E-06	4.54E-07	3.98E-07	0.00E+00	8.52E-07
1883	481518.16	3768041.54	9.4394E-07	3.9315E-07	0.00E+00	1.34E-06	9.34E-07	5.72E-07	0.00E+00	1.51E-06	1.72E-07	9.74E-08	0.00E+00	2.69E-07	9.58E-08	8.41E-08	0.00E+00	1.80E-07
1884	481508.65	3768041.5	9.234E-07	3.8459E-07	0.00E+00	1.31E-06	9.14E-07	5.60E-07	0.00E+00	1.47E-06	1.68E-07	9.53E-08	0.00E+00	2.63E-07	9.37E-08	8.23E-08	0.00E+00	1.76E-07
1885	481499.14	3768041.46	9.0359E-07	3.7634E-07	0.00E+00	1.28E-06	8.94E-07	5.48E-07	0.00E+00	1.44E-06	1.64E-07	9.33E-08	0.00E+00	2.57E-07	9.17E-08	8.05E-08	0.00E+00	1.72E-07
1886	481489.63	3768041.43	8.8422E-07	3.6828E-07	0.00E+00	1.25E-06	8.75E-07	5.36E-07	0.00E+00	1.41E-06	1.61E-07	9.13E-08	0.00E+00	2.52E-07	8.97E-08	7.88E-08	0.00E+00	1.68E-07
1887	481480.12	3768041.39	8.6522E-07	3.6036E-07	0.00E+00	1.23E-06	8.56E-07	5.24E-07	0.00E+00	1.38E-06	1.57E-07	8.93E-08	0.00E+00	2.47E-07	8.78E-08	7.71E-08	0.00E+00	1.65E-07
1888	481470.61	3768041.35	8.4615E-07	3.5242E-07	0.00E+00	1.20E-06	8.37E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.73E-08	0.00E+00	2.41E-07	8.58E-08	7.54E-08	0.00E+00	1.61E-07
1889	481461.1	3768041.31	8.276E-07	3.4469E-07	0.00E+00	1.17E-06	8.19E-07	5.02E-07	0.00E+00	1.32E-06	1.50E-07	8.54E-08	0.00E+00	2.36E-07	8.40E-08	7.37E-08	0.00E+00	1.58E-07
1890	481451.59	3768041.27	8.0967E-07	3.3723E-07	0.00E+00	1.15E-06	8.01E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.36E-08	0.00E+00	2.31E-07	8.21E-08	7.21E-08	0.00E+00	1.54E-07
1891	481442.09	3768041.23	7.9246E-07	3.3005E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.18E-08	0.00E+00	2.26E-07	8.04E-08	7.06E-08	0.00E+00	1.51E-07
1892	481432.58	3768041.19	7.7593E-07	3.2317E-07	0.00E+00	1.10E-06	7.68E-07	4.70E-07	0.00E+00	1.24E-06	1.41E-07	8.01E-08	0.00E+00	2.21E-07	7.87E-08	6.91E-08	0.00E+00	1.48E-07
1893	481423.07	3768041.15	7.6014E-07	3.1659E-07	0.00E+00	1.08E-06	7.52E-07	4.61E-07	0.00E+00	1.21E-06	1.38E-07	7.85E-08	0.00E+00	2.17E-07	7.71E-08	6.77E-08	0.00E+00	1.45E-07
1894	481413.56	3768041.11	7.4515E-07	3.1035E-07	0.00E+00	1.06E-06	7.37E-07	4.52E-07	0.00E+00	1.19E-06	1.35E-07	7.69E-08	0.00E+00	2.12E-07	7.56E-08	6.64E-08	0.00E+00	1.42E-07
1895	481404.05	3768041.07	7.3097E-07	3.0445E-07	0.00E+00	1.04E-06	7.23E-07	4.43E-07	0.00E+00	1.17E-06	1.33E-07	7.55E-08	0.00E+00	2.08E-07	7.41E-08	6.51E-08	0.00E+00	1.39E-07
1896	481394.54	3768041.03	7.176E-07	2.9888E-07	0.00E+00	1.02E-06	7.10E-07	4.35E-07	0.00E+00	1.14E-06	1.30E-07	7.41E-08	0.00E+00	2.04E-07	7.28E-08	6.39E-08	0.00E+00	1.37E-07
1897	481385.03	3768040.99	7.0502E-07	2.9364E-07	0.00E+00	9.99E-07	6.98E-07	4.27E-07	0.00E+00	1.12E-06	1.28E-07	7.28E-08	0.00E+00	2.01E-07	7.15E-08	6.28E-08	0.00E+00	1.34E-07
1898	481375.52	3768040.95	6.9321E-07	2.8872E-07	0.00E+00	9.82E-07	6.86E-07	4.20E-07	0.00E+00	1.11E-06	1.26E-07	7.16E-08	0.00E+00	1.98E-07	7.03E-08	6.18E-08	0.00E+00	1.32E-07
1899	481366.01	3768040.91	6.8219E-07	2.8413E-07	0.00E+00	9.66E-07	6.75E-07	4.13E-07	0.00E+00	1.09E-06	1.24E-07	7.04E-08	0.00E+00	1.94E-07	6.92E-08	6.08E-08	0.00E+00	1.30E-07
1900	481356.5	3768040.87	6.7192E-07	2.7985E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.91E-07	6.82E-08	5.99E-08	0.00E+00	1.28E-07
1901	481347	3768040.83	6.6239E-07	2.7588E-07	0.00E+00	9.38E-07	6.55E-07	4.01E-07	0.00E+00	1.06E-06	1.20E-07	6.84E-08	0.00E+00	1.89E-07	6.72E-08	5.90E-08	0.00E+00	1.26E-07
1902	481337.49	3768040.79	6.5355E-07	2.722E-07	0.00E+00	9.26E-07	6.47E-07	3.96E-07	0.00E+00	1.04E-06	1.19E-07	6.75E-08	0.00E+00	1.86E-07	6.63E-08	5.82E-08	0.00E+00	1.25E-07
1903	481553.17	3768022.24	9.1859E-07	3.8259E-07	0.00E+00	1.30E-06	9.09E-07	5.57E-07	0.00E+00	1.47E-06	1.67E-07	9.48E-08	0.00E+00	2.62E-07	9.32E-08	8.18E-08	0.00E+00	1.75E-07
1904	481561.63	3768025.8	9.5242E-07	3.9668E-07	0.00E+00	1.35E-06	9.42E-07	5.77E-07	0.00E+00	1.52E-06	1.73E-07	9.83E-08	0.00E+00	2.71E-07	9.66E-08	8.49E-08	0.00E+00	1.81E-07
1905	481570.09	3768029.35	9.8722E-07	4.1117E-07	0.00E+00	1.40E-06	9.77E-07	5.98E-07	0.00E+00	1.58E-06	1.79E-07	1.02E-07	0.00E+00	2.81E-07	1.00E-07	8.80E-08	0.00E+00	1.88E-07
1906	481578.54	3768032.9	0.000001023	4.2608E-07	0.00E+00	1.45E-06	1.01E-06	6.20E-07	0.00E+00	1.63E-06	1.86E-07	1.06E-07	0.00E+00	2.91E-07	1.04E-07	9.11E-08	0.00E+00	1.95E-07
1907	481587	3768036.45	0.00000106	4.4149E-07	0.00E+00	1.50E-06	1.05E-06	6.42E-07	0.00E+00	1.69E-06	1.93E-07	1.09E-07	0.00E+00	3.02E-07	1.08E-07	9.44E-08	0.00E+00	2.02E-07
1908	481595.46	3768040.01	1.0982E-06	4.574E-07	0.00E+00	1.56E-06	1.09E-06	6.66E-07	0.00E+00	1.75E-06	2.00E-07	1.13E-07	0.00E+00	3.13E-07	1.11E-07	9.78E-08	0.00E+00	2.09E-07
1909	481603.92	3768043.56	1.1371E-06	4.7361E-07	0.00E+00	1.61E-06	1.13E-06	6.89E-07	0.00E+00	1.81E-06	2.07E-07	1.17E-07	0.00E+00	3.24E-07	1.15E-07	1.01E-07	0.00E+00	2.17E-07
1910	481612.38	3768047.11	1.1765E-06	4.9001E-07	0.00E+00	1.67E-06	1.16E-06	7.13E-07	0.00E+00	1.88E-06	2.14E-07	1.21E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
1911	481620.84	3768050.67	1.2166E-06	5.0671E-07	0.00E+00	1.72E-06	1.20E-06	7.37E-07	0.00E+00	1.94E-06	2.21E-07	1.26E-07	0.00E+00	3.47E-07	1.23E-07	1.08E-07	0.00E+00	2.32E-07
1912	481629.3	3768054.22	1.2574E-06	5.2369E-07	0.00E+00	1.78E-06	1.24E-06	7.62E-07	0.00E+00	2.01E-06	2.28E-07	1.30E-07	0.00E+00	3.58E-07	1.28E-07	1.12E-07	0.00E+00	2.40E-07
1913	481637.76	3768057.77	1.2985E-06	5.4081E-07	0.00E+00	1.84E-06	1.28E-06	7.87E-07	0.00E+00	2.07E-06	2.36E-07	1.34E-07	0.00E+00	3.70E-07	1.32E-07	1.16E-07	0.00E+00	2.47E-07
1914	481646.22	3768061.32	1.3399E-06	5.5807E-07	0.00E+00	1.90E-06	1.33E-06	8.12E-07	0.00E+00	2.14E-06	2.43E-07	1.38E-07	0.00E+00	3.82E-07	1.36E-07	1.19E-07	0.00E+00	2.55E-07
1915	481654.67	3768064.88	1.3816E-06	5.7542E-07	0.00E+00	1.96E-06	1.37E-06	8.37E-07	0.00E+00	2.20E-06	2.51E-07	1.43E-07	0.00E+00	3.94E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
1916	481663.13	3768068.43	1.4232E-06	5.9275E-07	0.00E+00	2.02E-06	1.41E-06	8.62E-07	0.00E+00	2.27E-06	2.59E-07	1.47E-07	0.00E+00	4.05E-07	1.44E-07	1.27E-07	0.00E+00	2.71E-07
1917	481671.59	3768071.98	1.4647E-06	6.1003E-07	0.00E+00	2.07E-06	1.45E-06	8.88E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.49E-07	1.30E-07	0.00E+00	2.79E-07
1918	481680.05	3768075.54	1.4542E-06	6.0568E-07	0.00E+00	2.06E-06	1.44E-06	8.81E-07	0.00E+00	2.32E-06	2.64E-07	1.50E-07	0.00E+00	4.14E-07	1.48E-07	1.30E-07	0.00E+00	2.77E-07
1919	481688.51	3768079.09	1.4915E-06	6.212E-07	0.00E+00	2.11E-06	1.48E-06	9.04E-07	0.00E+00	2.38E-06	2.71E-07	1.54E-07	0.00E+00	4.25E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
1920	481696.97	3768082.64	1.5319E-06	6.3802E-07	0.00E+00	2.17E-06	1.52E-06	9.28E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.92E-07
1921	481705.43	3768086.2	1.5726E-06	6.5498E-07	0.00E+00	2.23E-06	1.56E-06	9.53E-07	0.00E+00	2.51E-06	2.86E-07	1.62E-07	0.00E+00	4.48E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
1922	481713.89	3768089.75	1.6126E-06	6.7162E-07	0.00E+00	2.28E-06	1.60E-06	9.77E-07	0.00E+00	2.57E-06	2.93E-07	1.66E-07	0.00E+00	4.59E-07	1.64E-07	1.44E-07	0.00E+00	3.07E-07
1923	481722.35	3768093.3	1.6505E-06	6.8743E-07	0.00E+00	2.34E-06	1.63E-06	1.00E-06	0.00E+00	2.63E-06	3.00E-07	1.70E-07	0.00E+00	4.70E-07	1.67E-07	1.47E-07	0.00E+00	3.14E-07
1924	481730.8	3768096.85	1.6846E-06	7.0163E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
1925	481739.26	3768100.41	1.7179E-06	7.1548E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.89E-07	1.74E-07	1.53E-07	0.00E+00	3.27E-07
1926	481747.72	3768103.96	1.7498E-06	7.2879E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.81E-07	0.00E+00	4.99E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
1927	481756.18	3768107.51	1.7807E-06	7.4166E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.24E-07	1.84E-07	0.00E+00	5.07E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07
1928	481768.09	3768119.57	1.8925E-06	7.8823E-07	0.00E+00	2.68E-06	1.87E-06	1.15E-06	0.00E+00	3.02E-06	3.44E-07	1.95E-07	0.00E+00	5.39E-07	1.92E-07	1.69E-07	0.00E+00	3.61E-07
1929	481771.55	3768128.06	1.9777E-06	8.2372E-07	0.00E+00	2.80E-06	1.96E-06	1.20E-06	0.00E+00	3.16E-06	3.59E-07	2.04E-07	0.00E+00	5.63E-07	2.01E-07	1.76E-07	0.00E+00	3.77E-07
1930	481775.01	3768136.56	2.0661E-06	8.6051E-07	0.00E+00	2.93E-06	2.04E-06	1.25E-06	0.00E+00	3.30E-06	3.75E-07	2.13E-07	0.00E+00	5.89E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07
1931	481778.46	3768145.06	2.1615E-06	9.0026E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.16E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07
1932	481781.92	3768153.56	2.2604E-06	9.4143E-07	0.00E+00	3.20E-06	2.24E-06	1.37E-06	0.00E+00	3.61E-06	4.11E-07	2.33E-07	0.00E+00	6.44E-07	2.29E-07	2.01E-07	0.00E+00	4.31E-07
1933	481785.37	3768162.06	2.3614E-06	9.8349E-07	0.00E+00	3.34E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.29E-07	2.44E-07	0.00E+00	6.73E-07	2.40E-07	2.10E-07	0.00E+00	4.50E-07
1934	481788.83	3768170.56	2.4623E-06	1.0256E-06	0.00E+00	3.49E-06	2.44E-06	1.49E-06	0.00E+00	3.93E-06	4.47E-07	2.54E-07	0.00E+00	7.02E-07	2.50E-07	2.19E-07	0.00E+00	4.69E-07
1935	481792.28	3768179.06	2.5638E-06	1.0678E-06	0.00E+00	3.63E-06	2.54E-06	1.55E-06	0.00E+00	4.09E-06	4.66E-07	2.65E-07	0.00E+00	7.30E-07	2.60E-07	2.28E-07	0.00E+00	4.88E-07
1936	481795.74	3768187.56	2.6668E-06	1.1107E-06	0.00E+00	3.78E-06	2.64E-06	1.62E-06	0.00E+00	4.26E-06	4.85E-07	2.75E-07	0.00E+00	7.60E-07	2.71E-07	2.38E-07	0.00E+00	5.08E-07
1937	481799.19	3768196.06	2.7714E-06	1.1543E-06	0.00E+00	3.93E-06	2.74E-06	1.68E-06	0.00E+00	4.42E-06	5.04E-07	2.86E-07	0.00E+00	7.90E-07	2.81E-07	2.47E-07	0.00E+00	5.28E-07

1966	481394.67	3768011.03	6.2493E-07	2.6028E-07	0.00E+00	8.85E-07	6.18E-07	3.79E-07	0.00E+00	9.97E-07	1.14E-07	6.45E-08	0.00E+00	1.78E-07	6.34E-08	5.57E-08	0.00E+00	1.19E-07
1967	481385.16	3768010.99	6.1469E-07	2.5602E-07	0.00E+00	8.71E-07	6.08E-07	3.73E-07	0.00E+00	9.81E-07	1.12E-07	6.34E-08	0.00E+00	1.75E-07	6.24E-08	5.48E-08	0.00E+00	1.17E-07
1968	481375.65	3768010.95	6.0513E-07	2.5204E-07	0.00E+00	8.57E-07	5.99E-07	3.67E-07	0.00E+00	9.66E-07	1.10E-07	6.25E-08	0.00E+00	1.72E-07	6.14E-08	5.39E-08	0.00E+00	1.15E-07
1969	481366.14	3768010.91	5.9618E-07	2.4831E-07	0.00E+00	8.44E-07	5.90E-07	3.61E-07	0.00E+00	9.51E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.05E-08	5.31E-08	0.00E+00	1.14E-07
1970	481356.63	3768010.87	5.8779E-07	2.4481E-07	0.00E+00	8.33E-07	5.82E-07	3.56E-07	0.00E+00	9.38E-07	1.07E-07	6.07E-08	0.00E+00	1.67E-07	5.96E-08	5.24E-08	0.00E+00	1.12E-07
1971	481347.12	3768010.83	5.7991E-07	2.4153E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
1972	481337.61	3768010.79	5.7259E-07	2.3848E-07	0.00E+00	8.11E-07	5.67E-07	3.47E-07	0.00E+00	9.14E-07	1.04E-07	5.91E-08	0.00E+00	1.63E-07	5.81E-08	5.10E-08	0.00E+00	1.09E-07
1973	481553.72	3767992.42	7.9152E-07	3.2967E-07	0.00E+00	1.12E-06	7.83E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.26E-07	8.03E-08	7.05E-08	0.00E+00	1.51E-07
1974	481562.32	3767996.04	8.1921E-07	3.412E-07	0.00E+00	1.16E-06	8.11E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.46E-08	0.00E+00	2.33E-07	8.31E-08	7.30E-08	0.00E+00	1.56E-07
1975	481570.93	3767999.65	8.4796E-07	3.5317E-07	0.00E+00	1.20E-06	8.39E-07	5.14E-07	0.00E+00	1.35E-06	1.54E-07	8.75E-08	0.00E+00	2.42E-07	8.60E-08	7.55E-08	0.00E+00	1.62E-07
1976	481579.53	3768003.26	8.7749E-07	3.6547E-07	0.00E+00	1.24E-06	8.68E-07	5.32E-07	0.00E+00	1.40E-06	1.59E-07	9.06E-08	0.00E+00	2.50E-07	8.90E-08	7.82E-08	0.00E+00	1.67E-07
1977	481588.13	3768006.88	9.0798E-07	3.7817E-07	0.00E+00	1.29E-06	8.98E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.21E-08	8.09E-08	0.00E+00	1.73E-07
1978	481596.73	3768010.49	9.393E-07	3.9122E-07	0.00E+00	1.33E-06	9.29E-07	5.69E-07	0.00E+00	1.50E-06	1.71E-07	9.70E-08	0.00E+00	2.68E-07	9.53E-08	8.37E-08	0.00E+00	1.79E-07
1979	481605.33	3768014.1	9.7141E-07	4.0459E-07	0.00E+00	1.38E-06	9.61E-07	5.89E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.85E-08	8.65E-08	0.00E+00	1.85E-07
1980	481613.94	3768017.71	1.0043E-06	4.1828E-07	0.00E+00	1.42E-06	9.94E-07	6.09E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.95E-08	0.00E+00	1.91E-07
1981	481622.54	3768021.33	1.0379E-06	4.3228E-07	0.00E+00	1.47E-06	1.03E-06	6.29E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.05E-07	9.25E-08	0.00E+00	1.98E-07
1982	481631.14	3768024.94	0.000001072	4.4649E-07	0.00E+00	1.52E-06	1.06E-06	6.50E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.05E-07	1.09E-07	9.55E-08	0.00E+00	2.04E-07
1983	481639.74	3768028.55	1.1067E-06	4.6092E-07	0.00E+00	1.57E-06	1.10E-06	6.71E-07	0.00E+00	1.77E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.86E-08	0.00E+00	2.11E-07
1984	481648.34	3768032.17	1.1418E-06	4.7555E-07	0.00E+00	1.62E-06	1.13E-06	6.92E-07	0.00E+00	1.82E-06	2.07E-07	1.18E-07	0.00E+00	3.25E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
1985	481656.95	3768035.78	1.1772E-06	4.9029E-07	0.00E+00	1.67E-06	1.16E-06	7.13E-07	0.00E+00	1.88E-06	2.14E-07	1.22E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
1986	481665.55	3768039.39	1.2127E-06	5.051E-07	0.00E+00	1.72E-06	1.20E-06	7.35E-07	0.00E+00	1.93E-06	2.20E-07	1.25E-07	0.00E+00	3.46E-07	1.23E-07	1.08E-07	0.00E+00	2.31E-07
1987	481674.15	3768043.01	1.2485E-06	0.00000052	0.00E+00	1.77E-06	1.24E-06	7.57E-07	0.00E+00	1.99E-06	2.27E-07	1.29E-07	0.00E+00	3.56E-07	1.27E-07	1.11E-07	0.00E+00	2.38E-07
1988	481682.75	3768046.62	1.2382E-06	5.1572E-07	0.00E+00	1.75E-06	1.23E-06	7.50E-07	0.00E+00	1.98E-06	2.25E-07	1.28E-07	0.00E+00	3.53E-07	1.26E-07	1.10E-07	0.00E+00	2.36E-07
1989	481691.35	3768050.23	1.2711E-06	5.2939E-07	0.00E+00	1.80E-06	1.26E-06	7.70E-07	0.00E+00	2.03E-06	2.31E-07	1.31E-07	0.00E+00	3.62E-07	1.29E-07	1.13E-07	0.00E+00	2.42E-07
1990	481699.95	3768053.84	1.3068E-06	5.443E-07	0.00E+00	1.85E-06	1.29E-06	7.92E-07	0.00E+00	2.09E-06	2.37E-07	1.35E-07	0.00E+00	3.72E-07	1.33E-07	1.16E-07	0.00E+00	2.49E-07
1991	481708.56	3768057.46	1.3425E-06	5.5916E-07	0.00E+00	1.90E-06	1.33E-06	8.14E-07	0.00E+00	2.14E-06	2.44E-07	1.39E-07	0.00E+00	3.83E-07	1.36E-07	1.20E-07	0.00E+00	2.56E-07
1992	481717.16	3768061.07	1.3778E-06	5.7384E-07	0.00E+00	1.95E-06	1.36E-06	8.35E-07	0.00E+00	2.20E-06	2.50E-07	1.42E-07	0.00E+00	3.93E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
1993	481725.76	3768064.68	1.4102E-06	5.8734E-07	0.00E+00	2.00E-06	1.40E-06	8.55E-07	0.00E+00	2.25E-06	2.56E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1994	481734.36	3768068.3	1.4409E-06	6.0014E-07	0.00E+00	2.04E-06	1.43E-06	8.73E-07	0.00E+00	2.30E-06	2.62E-07	1.49E-07	0.00E+00	4.11E-07	1.46E-07	1.28E-07	0.00E+00	2.75E-07
1995	481742.96	3768071.91	0.000001471	6.1267E-07	0.00E+00	2.08E-06	1.46E-06	8.91E-07	0.00E+00	2.35E-06	2.67E-07	1.52E-07	0.00E+00	4.19E-07	1.49E-07	1.31E-07	0.00E+00	2.80E-07
1996	481751.57	3768075.52	1.5006E-06	6.2498E-07	0.00E+00	2.13E-06	1.48E-06	9.09E-07	0.00E+00	2.39E-06	2.73E-07	1.55E-07	0.00E+00	4.28E-07	1.52E-07	1.34E-07	0.00E+00	2.86E-07
1997	481760.17	3768079.14	1.5293E-06	6.3694E-07	0.00E+00	2.17E-06	1.51E-06	9.27E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
1998	481768.77	3768082.75	0.000001557	6.4849E-07	0.00E+00	2.21E-06	1.54E-06	9.44E-07	0.00E+00	2.48E-06	2.83E-07	1.61E-07	0.00E+00	4.44E-07	1.58E-07	1.39E-07	0.00E+00	2.97E-07
1999	481777.37	3768086.36	1.5839E-06	6.5967E-07	0.00E+00	2.24E-06	1.57E-06	9.60E-07	0.00E+00	2.53E-06	2.88E-07	1.63E-07	0.00E+00	4.51E-07	1.61E-07	1.41E-07	0.00E+00	3.02E-07
2000	481789.49	3768098.62	1.6795E-06	6.9952E-07	0.00E+00	2.38E-06	1.66E-06	1.02E-06	0.00E+00	2.68E-06	3.05E-07	1.73E-07	0.00E+00	4.79E-07	1.70E-07	1.50E-07	0.00E+00	3.20E-07
2001	481793	3768107.26	1.7523E-06	7.2982E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.80E-06	3.18E-07	1.81E-07	0.00E+00	4.99E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
2002	481796.52	3768115.9	1.8292E-06	7.6186E-07	0.00E+00	2.59E-06	1.81E-06	1.11E-06	0.00E+00	2.92E-06	3.32E-07	1.89E-07	0.00E+00	5.21E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
2003	481800.03	3768124.55	1.9098E-06	7.9544E-07	0.00E+00	2.71E-06	1.89E-06	1.16E-06	0.00E+00	3.05E-06	3.47E-07	1.97E-07	0.00E+00	5.44E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07
2004	481803.54	3768133.19	1.9937E-06	8.3037E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
2005	481807.06	3768141.83	2.0789E-06	8.6587E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
2006	481810.57	3768150.48	2.1646E-06	9.0154E-07	0.00E+00	3.07E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.17E-07	2.20E-07	1.93E-07	0.00E+00	4.12E-07
2007	481814.09	3768159.12	0.000002251	9.3752E-07	0.00E+00	3.19E-06	2.23E-06	1.36E-06	0.00E+00	3.59E-06	4.09E-07	2.32E-07	0.00E+00	6.41E-07	2.28E-07	2.01E-07	0.00E+00	4.29E-07
2008	481817.6	3768167.76	2.3394E-06	9.7434E-07	0.00E+00	3.31E-06	2.31E-06	1.42E-06	0.00E+00	3.73E-06	4.25E-07	2.41E-07	0.00E+00	6.67E-07	2.37E-07	2.08E-07	0.00E+00	4.46E-07
2009	481821.11	3768176.4	2.4305E-06	1.0123E-06	0.00E+00	3.44E-06	2.41E-06	1.47E-06	0.00E+00	3.88E-06	4.42E-07	2.51E-07	0.00E+00	6.92E-07	2.47E-07	2.17E-07	0.00E+00	4.63E-07
2010	481824.63	3768185.05	2.5239E-06	1.0512E-06	0.00E+00	3.58E-06	2.50E-06	1.53E-06	0.00E+00	4.03E-06	4.59E-07	2.61E-07	0.00E+00	7.19E-07	2.56E-07	2.25E-07	0.00E+00	4.81E-07
2011	481828.14	3768193.69	2.6187E-06	1.0907E-06	0.00E+00	3.71E-06	2.59E-06	1.59E-06	0.00E+00	4.18E-06	4.76E-07	2.70E-07	0.00E+00	7.46E-07	2.66E-07	2.33E-07	0.00E+00	4.99E-07
2012	481831.65	3768202.33	2.7134E-06	1.1301E-06	0.00E+00	3.84E-06	2.69E-06	1.64E-06	0.00E+00	4.33E-06	4.93E-07	2.80E-07	0.00E+00	7.73E-07	2.75E-07	2.42E-07	0.00E+00	5.17E-07
2013	481835.17	3768210.98	2.8068E-06	0.000001169	0.00E+00	3.98E-06	2.78E-06	1.70E-06	0.00E+00	4.48E-06	5.10E-07	2.90E-07	0.00E+00	8.00E-07	2.85E-07	2.50E-07	0.00E+00	5.35E-07
2014	481838.68	3768219.62	2.8984E-06	1.2072E-06	0.00E+00	4.11E-06	2.87E-06	1.76E-06	0.00E+00	4.62E-06	5.27E-07	2.99E-07	0.00E+00	8.26E-07	2.94E-07	2.58E-07	0.00E+00	5.52E-07
2015	481842.2	3768228.26	0.000002988	1.2445E-06	0.00E+00	4.23E-06	2.96E-06	1.81E-06	0.00E+00	4.77E-06	5.43E-07	3.08E-07	0.00E+00	8.51E-07	3.03E-07	2.66E-07	0.00E+00	5.69E-07
2016	481845.71	3768236.9	3.0758E-06	1.2811E-06	0.00E+00	4.36E-06	3.04E-06	1.86E-06	0.00E+00	4.91E-06	5.59E-07	3.17E-07	0.00E+00	8.76E-07	3.12E-07	2.74E-07	0.00E+00	5.86E-07
2017	481849.22	3768245.55	3.1611E-06	1.3166E-06	0.00E+00	4.48E-06	3.13E-06	1.92E-06	0.00E+00	5.04E-06	5.74E-07	3.26E-07	0.00E+00	9.01E-07	3.21E-07	2.82E-07	0.00E+00	6.02E-07
2018	481852.74	3768254.19	3.2431E-06	1.3507E-06	0.00E+00	4.59E-06	3.21E-06	1.97E-06	0.00E+00	5.17E-06	5.89E-07	3.35E-07	0.00E+00	9.24E-07	3.29E-07	2.89E-07	0.00E+00	6.18E-07
2019	481856.25	3768262.83	3.3222E-06	1.3837E-06	0.00E+00	4.71E-06	3.29E-06	2.01E-06	0.00E+00	5.30E-06	6.04E-07	3.43E-07	0.00E+00	9.47E-07	3.37E-07	2.96E-07	0.00E+00	6.33E-07
2020	481859.77	3768271.48	3.3963E-06	1.4145E-06	0.00E+00	4.81E-06	3.36E-06	2.06E-06	0.00E+00	5.42E-06	6.17E-07	3.51E-07	0.00E+00	9.68E-07	3.45E-07	3.03E-07	0.00E+00	6.47E-07
2021	481863.28	3768280.12	3.4637E-06	1.4426E-06	0.00E+00	4.91E-06	3.43E-06	2.10E-06	0.00E+00	5.53E-06	6.29E-07	3.58E-07	0.00E+00	9.87E-07	3.51E-07	3.09E-07	0.00E+00	6.60E-07
2022	481866.79	3768288.76	3.5239E-06	1.4677E-06	0.00E+00	4.99E-06	3.49E-06	2.14E-06	0.00E+00	5.62E-06	6.40E-07	3.64E-07	0.00E+00	1.00E-06	3.57E-07	3.14E-07	0.00E+00	6.71E-07
2023	481870.31	3768297.41	3.5773E-06	1.4899E-06	0.00E+00	5.07E-06	3.54E-06	2.17E-06	0.00E+00	5.71E-06	6.50E-07	3.69E-07	0.00E+00	1.02E-06	3.63E-07	3.19E-07	0.00E+00	6.82E-07
2024	481873.82	3768306.05	3.6231E-06	0.000001509	0.00E+00	5.13E-06	3.59E-06	2.20E-06	0.00E+00	5.78E-06	6.58E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.90E-07
2025	481877.33	3768314.69	3.6608E-06	1.5247E-06	0.00E+00	5.19E-06	3.62E-06	2.22E-06	0.00E+00	5.84E-06	6.65E-07	3.78E-07	0.00E+00	1.04E-06	3.71E-07	3.26E-07	0.00E+00	6.97E-07
2026	481880.85	3768323.33	3.6896E-06	1.5367E-06	0.00E+00	5.23E-06	3.65E-06	2.24E-06	0.00E+00	5.89E-06	6.70E-07	3.81E-07	0.00E+00	1.05E-06	3.74E-07	3.29E-07	0.00E+00	7.03E-07
2027	481518.41	3767981.54	7.0032E-07	2.9168E-07	0.00E+00	9.92E-07	6.93E-07	4.24E-07	0.00E+00	1.12E-06	1.27E-07	7.23E-08	0.00E+00	2.00E-07	7.10E-08	6.24E-08	0.00E+00	1.33E-07
2028	481508.9	3767981.5	6.8659E-07	2.8596E-07	0.00E+00	9.73E-07	6.79E-07	4.16E-07	0.00E+00	1.10E-06	1.25E-07	7.09E-08	0.00E+00	1.96E-07	6.96E-08	6.12E-08	0.00E+00	1.31E-07
2029	481499.39	3767981.47	6.7318E-07	2.8038E-07	0.00E+00	9.54E-07	6.66E-07	4.08E-07	0.00E+00	1.07E-06	1.22E-07	6.95E-08	0.00E+00	1.92E-07	6.83E-08	6.00E-08	0.00E+00	1.28E-07
2030	481489.88	3767981.43	6.6003E-07	2.749E-07	0.00E+00	9.35E-07	6.53E-07	4.00E-07	0.00E+00	1.05E-06	1.20E-07	6.81E-08	0.00E+00	1.88E-07	6.70E-08	5.88E-08	0.00E+00	1.26E-07
2031	481480.37	3767981.39	6.472E-07	2.6956E-07	0.00E+00	9.17E-07	6.40E-07	3.92E-07	0.00E+00	1.03E-06	1.18E-07	6.68E-08	0.00E+00	1.84E-07	6.57E-08	5.77E-08	0.00E+00	1.23E-07
2032	481470.86	3767981.35	6.3477E-07	2.6438E-07	0.00E+00	8.99E-07	6.28E-07	3.85E-07	0.00E+00	1.01E-06	1.15E-07	6.55E-08	0.00E+00	1.81E-07	6.44E-08	5.66E-08	0.00E+00	1.21E-07
2033	481461.35	3767981.31	6.2269E-07	2.5935E-07	0.00E+00	8.82E-07	6.16E-07	3.77E-07	0.00E+00	9.94E-07	1.13E-07	6.43E-08	0.00E+00	1.77E-07	6.32E-08	5.55E-08	0.00E+00	1.19E-07
2034	481451.84	3767981.27	6.1098E-07	2.5447E-07	0.00E+00	8.65E-07	6.05E-07	3.70E-07	0.00E+00	9.75E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.44E-08	0.00E+00	1.16E-07
2035	481442.34	3767981.23	5.9975E-07	2.4979E-07	0.00E+00	8.50E-07	5.93E-07	3.63E-07	0.00E+00	9.57E-07	1.09E-07	6.19E-08	0.00E+00	1.71E-07	6.08E-08	5.34E-08	0.00E+00	1.14E-07
2036	481432.83	3767981.19	5.8896E-07	2.453E-07	0.00E+00	8.34E-07	5.83E-07	3.57E-07	0.00E+00	9.40E-07	1.07E-07	6.08E-08	0.00E+00	1.68E-07	5.97E-08	5.25E-08	0.00E+00	1.12E-07
2037	481423.32	3767981.15	5.7864E-07	0.000000241	0.00E+00	8.20E-07	5.73E-07	3.51E-07	0.00E+00	9.23E-07	1.05E-07	5.97E-08	0.00E+00	1.65E-07	5.87E-08	5.16E-08	0.00E+00	1.10E-07
2038	481413.81	3767981.11	5.6876E-07	2.3689E-07	0.00E+00	8.06E-07	5.63E-07	3.45E-07	0.00E+00	9.08E-07	1.03E-07	5.87E-08	0.00E+00	1.62E-07	5.77E-08	5.07E-08	0.00E+00	1.08E-07
2039	481404.3	3767981.07	5.5934E-07	2.3296E-07	0.00E+00	7.92E-07	5.53E-07	3.39E-07	0.00E+00	8.92E-07	1.02E-07	5.77E-08	0.00E+00	1.59E-07	5.67E-08	4.98E-08	0.00E+00	1.07E-07
2040	481394.79	3767981.03	5.5038E-07	2.2923E-07	0.00E+00	7.80E-07	5.45E-07	3.34E-07	0.00E+00	8.78E-07	1.00E-07	5.68E-08	0.00E+00	1.57E-07	5.58E-08	4.90E-08	0.00E+00	1.05E-07
2041	481385.28	3767980.99	5.4194E-07	2.2572E-07	0.00E+00	7.68E-07	5.36E-07	3.28E-07	0.00E+00	8.65E-07	9.85E-08	5.59E-08	0.00E+00	1.54E-07	5.50E-08	4.83E-08	0.00E+00	1.03E-07
2042	481375.77	3767980.95	5.3403E-07	2.2242E-07	0.00E+00	7.56E-07	5.28E-07	3.24E-07	0.00E+00	8.52E-07	9.70E-08	5.51E-08	0.00E+00	1.52E-07	5.42E-08	4.76E-08	0.00E+00	1.02E-07
2043	481366.26	3767980.91	5.266E-07	2.1933E-07	0.00E+00	7.46E-07	5.21E-07	3.19E-07	0.00E+00	8.40E-07	9.57E-08	5.44E-08	0.00E+00	1.50E-07	5.34E-08	4.69E-08	0.00E+00	1.00E-07
2044	481356.75	3767980.87	5.196E-07	2.1641E-07	0.00E+00	7.36E-07	5.14E-07	3.15E-07	0.00E+00	8.29E-07	9.44E-08	5.36E-08	0.00E+00	1.48E-07	5.27E-08	4.63E-08	0.00E+00	9.90E-08
2045	481347.25	3767980.83	5.1302E-07	2.1367E-07	0.00E+00	7.27E-07	5.08E-07	3.11E-07	0.00E+00	8.19E-07	9.32E-08	5.30E-08	0.00E+00	1.46E-07	5.20E-08	4.57E-08	0.00E+00	9.77E-08
2046	481337.74	3767980.79	5.0686E-07	2.1111E-07	0.00E+00	7.18E-07	5.02E-07	3.07E-07	0.00E+00	8.09E-07	9.21E-08	5.23E-08	0.00E+00	1.44E-07	5.14E-08	4.52E-08	0.00E+00	9.66E-08
2047	481554.22	3767962.58	6.8977E-07	2.8728E-07	0.00E+00	9.77E-07	6.83E-07	4.18E-07	0.00E+00	1.10E-06	1.25E-07	7.12E-08	0.00E+00	1.97E-07	7.00E-08	6.15E-08	0.00E+00	1.31E-07
2048	481562.95	3767966.25	7.1302E-07	2.9697E-07	0.00E+00	1.01E-06	7.06E-07	4.32E-07	0.00E+00	1.14E-06	1.30E-07	7.36E-08	0.00E+00	2.03E-07	7.23E-08	6.35E-08	0.00E+00	1.36E-07
2049	481571.68	3767969.91	7.3665E-07	3.0681E-07	0.00E+00	1.04E-06	7.29E-07	4.46E-07	0.00E+00	1.18E-06	1.34E-07	7.60E-08	0.00E+00	2.10E-07	7.47E-08	6.56E-08	0.00E+00	1.40E-07
2050	481580.4	3767973.58	7.6111E-07	0.000000317	0.00E+00	1.08E-06	7.53E-07	4.61E-07	0.00E+00	1.21E-06	1.38E-07	7.86E-08	0.00E+00	2.17E-07	7.72E-08	6.78E-08	0.00E+00	1.45E-07
2051	481589.13	3767977.24	7.8634E-07	3.2751E-07	0.00E+00	1.11E-06	7.78E-07	4.77E-07	0.00E+00	1.25E-06	1.43E-07	8.12E-08	0.00E+00	2.24E-07	7.98E-08	7.01E-08	0.00E+00	1.50E-07
2052	481597.86	3767980.91	8.1238E-07	3.3835E-07	0.00E+00	1.15E-06	8.04E-07	4.92E-07	0.00E+00	1.30E-06	1.48E-07	8.39E-08	0.00E+00	2.31E-07	8.24E-08	7.24E-08	0.00E+00	1.55E-07
2053	481606.59	3767984.57	8.3907E-07	3.4947E-07	0.00E+00	1.19E-06	8.30E-07	5.09E-07	0.00E+00	1.34E-06	1.52E-07	8.66E-08	0.00E+00	2.39E-07	8.51E-08	7.48E-08	0.00E+00	1.60E-07
2054	481615.31	3767988.24	8.6661E-07	3.6094E-07	0.00E+00	1.23E-06	8.58E-07	5.25E-07	0.00E+00	1.38E-06	1.57E-07	8.95E-08	0.00E+00	2.47E-07	8.79E-08	7.72E-08	0.00E+00	1.65E-07
2055	481624.04	3767991.91	8.9486E-07	3.7271E-07	0.00E+00	1.27E-06	8.86E-07	5.42E-07	0.00E+00	1.43E-06	1.63E-07	9.24E-08	0.00E+00	2.55E-07	9.08E-08	7.97E-08	0.00E+00	1.71E-07
2056	481632.77	3767995.57	9.2365E-07	3.8469E-07	0.00E+00	1.31E-06	9.14E-07	5.60E-07	0.00E+00	1.47E-06	1.68E-07	9.53E-08	0.00E+00	2.63E-07	9.37E-08	8.23E-08	0.00E+00	1.76E-07
2057	481641.49	3767999.24	9.5297E-07	3.9691E-07	0.00E+00	1.35E-06	9.43E-07	5.78E-07	0.00E+00	1.52E-06	1.73E-07	9.84E-08	0.00E+00	2.72E-07	9.67E-08	8.49E-08	0.00E+00	1.82E-07
2058	481650.22	3768002.9	9.8272E-07	4.093E-07	0.00E+00	1.39E-06	9.72E-07	5.96E-07	0.00E+00	1.57E-06	1.79E-07	1.01E-07	0.00E+00	2.80E-07	9.97E-08	8.76E-08	0.00E+00	1.87E-07
2059	481658.95	3768006.57	1.0129E-06	4.2187E-07	0.00E+00	1.43E-06	1.00E-06	6.14E-07	0.00E+00	1.62E-06	1.84E-07	1.05E-07	0.00E+00	2.89E-07	1.03E-07	9.02E-08	0.00E+00	1.93E-07
2060	481667.67	3768010.23	1.0433E-06	4.3454E-07	0.00E+00	1.48E-06	1.03E-06	6.32E-07	0.00E+00	1.66E-06	1.90E-07	1.08E-07	0.00E+00	2.97E-07	1.06E-07	9.30E-08	0.00E+00	1.99E-07
2061

2089	481857.22	3768191.65	0.000002474	1.0304E-06	0.00E+00	3.50E-06	2.45E-06	1.50E-06	0.00E+00	3.95E-06	4.50E-07	2.55E-07	0.00E+00	7.05E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
2090	481860.78	3768200.42	0.000002556	1.0645E-06	0.00E+00	3.62E-06	2.53E-06	1.55E-06	0.00E+00	4.08E-06	4.64E-07	2.64E-07	0.00E+00	7.28E-07	2.59E-07	2.28E-07	0.00E+00	4.87E-07
2091	481864.35	3768209.18	2.6359E-06	1.0978E-06	0.00E+00	3.73E-06	2.61E-06	1.60E-06	0.00E+00	4.21E-06	4.79E-07	2.72E-07	0.00E+00	7.51E-07	2.67E-07	2.35E-07	0.00E+00	5.02E-07
2092	481867.91	3768217.95	0.000002715	1.1308E-06	0.00E+00	3.85E-06	2.69E-06	1.65E-06	0.00E+00	4.33E-06	4.93E-07	2.80E-07	0.00E+00	7.74E-07	2.75E-07	2.42E-07	0.00E+00	5.17E-07
2093	481871.48	3768226.72	2.7926E-06	1.1631E-06	0.00E+00	3.96E-06	2.76E-06	1.69E-06	0.00E+00	4.46E-06	5.07E-07	2.88E-07	0.00E+00	7.96E-07	2.83E-07	2.49E-07	0.00E+00	5.32E-07
2094	481875.04	3768235.49	2.8685E-06	1.1947E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.56E-07	0.00E+00	5.47E-07
2095	481878.61	3768244.26	2.9423E-06	1.2254E-06	0.00E+00	4.17E-06	2.91E-06	1.78E-06	0.00E+00	4.69E-06	5.35E-07	3.04E-07	0.00E+00	8.38E-07	2.98E-07	2.62E-07	0.00E+00	5.61E-07
2096	481882.17	3768253.03	0.000003013	1.2549E-06	0.00E+00	4.27E-06	2.98E-06	1.83E-06	0.00E+00	4.81E-06	5.47E-07	3.11E-07	0.00E+00	8.58E-07	3.06E-07	2.68E-07	0.00E+00	5.74E-07
2097	481885.74	3768261.8	3.0796E-06	1.2826E-06	0.00E+00	4.36E-06	3.05E-06	1.87E-06	0.00E+00	4.91E-06	5.60E-07	3.18E-07	0.00E+00	8.77E-07	3.12E-07	2.74E-07	0.00E+00	5.87E-07
2098	481889.3	3768270.56	3.1408E-06	1.3081E-06	0.00E+00	4.45E-06	3.11E-06	1.90E-06	0.00E+00	5.01E-06	5.71E-07	3.24E-07	0.00E+00	8.95E-07	3.19E-07	2.80E-07	0.00E+00	5.98E-07
2099	481892.87	3768279.33	3.1965E-06	1.3313E-06	0.00E+00	4.53E-06	3.16E-06	1.94E-06	0.00E+00	5.10E-06	5.81E-07	3.30E-07	0.00E+00	9.11E-07	3.24E-07	2.85E-07	0.00E+00	6.09E-07
2100	481896.43	3768288.1	3.2463E-06	1.3521E-06	0.00E+00	4.60E-06	3.21E-06	1.97E-06	0.00E+00	5.18E-06	5.90E-07	3.35E-07	0.00E+00	9.25E-07	3.29E-07	2.89E-07	0.00E+00	6.19E-07
2101	481900	3768296.87	3.2897E-06	1.3701E-06	0.00E+00	4.66E-06	3.26E-06	1.99E-06	0.00E+00	5.25E-06	5.98E-07	3.40E-07	0.00E+00	9.37E-07	3.34E-07	2.93E-07	0.00E+00	6.27E-07
2102	481903.56	3768305.64	3.3263E-06	1.3854E-06	0.00E+00	4.71E-06	3.29E-06	2.02E-06	0.00E+00	5.31E-06	6.04E-07	3.43E-07	0.00E+00	9.48E-07	3.37E-07	2.96E-07	0.00E+00	6.34E-07
2103	481907.13	3768314.41	3.3554E-06	1.3975E-06	0.00E+00	4.75E-06	3.32E-06	2.03E-06	0.00E+00	5.35E-06	6.10E-07	3.46E-07	0.00E+00	9.56E-07	3.40E-07	2.99E-07	0.00E+00	6.39E-07
2104	481910.69	3768323.18	3.3769E-06	1.4064E-06	0.00E+00	4.78E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.62E-07	3.43E-07	3.01E-07	0.00E+00	6.43E-07
2105	481518.53	3767951.54	6.1309E-07	2.5535E-07	0.00E+00	8.68E-07	6.07E-07	3.72E-07	0.00E+00	9.78E-07	1.11E-07	6.33E-08	0.00E+00	1.75E-07	6.22E-08	5.46E-08	0.00E+00	1.17E-07
2106	481509.02	3767951.5	6.0177E-07	2.5063E-07	0.00E+00	8.52E-07	5.95E-07	3.65E-07	0.00E+00	9.60E-07	1.09E-07	6.21E-08	0.00E+00	1.71E-07	6.10E-08	5.36E-08	0.00E+00	1.15E-07
2107	481499.51	3767951.47	5.9071E-07	2.4603E-07	0.00E+00	8.37E-07	5.85E-07	3.58E-07	0.00E+00	9.43E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	5.99E-08	5.26E-08	0.00E+00	1.13E-07
2108	481490	3767951.43	5.7987E-07	2.4151E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
2109	481480.5	3767951.39	5.6932E-07	2.3712E-07	0.00E+00	8.06E-07	5.63E-07	3.45E-07	0.00E+00	9.08E-07	1.03E-07	5.88E-08	0.00E+00	1.62E-07	5.78E-08	5.07E-08	0.00E+00	1.08E-07
2110	481470.99	3767951.35	5.5906E-07	2.3285E-07	0.00E+00	7.92E-07	5.53E-07	3.39E-07	0.00E+00	8.92E-07	1.02E-07	5.77E-08	0.00E+00	1.59E-07	5.67E-08	4.98E-08	0.00E+00	1.07E-07
2111	481461.48	3767951.31	5.491E-07	2.287E-07	0.00E+00	7.78E-07	5.43E-07	3.33E-07	0.00E+00	8.76E-07	9.98E-08	5.67E-08	0.00E+00	1.56E-07	5.57E-08	4.89E-08	0.00E+00	1.05E-07
2112	481451.97	3767951.27	5.3946E-07	2.2468E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.80E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
2113	481442.46	3767951.23	5.3019E-07	2.2082E-07	0.00E+00	7.51E-07	5.25E-07	3.21E-07	0.00E+00	8.46E-07	9.63E-08	5.47E-08	0.00E+00	1.51E-07	5.38E-08	4.72E-08	0.00E+00	1.01E-07
2114	481432.95	3767951.19	5.2129E-07	2.1712E-07	0.00E+00	7.38E-07	5.16E-07	3.16E-07	0.00E+00	8.32E-07	9.47E-08	5.38E-08	0.00E+00	1.49E-07	5.29E-08	4.64E-08	0.00E+00	9.93E-08
2115	481423.44	3767951.15	5.1276E-07	2.1356E-07	0.00E+00	7.26E-07	5.07E-07	3.11E-07	0.00E+00	8.18E-07	9.32E-08	5.29E-08	0.00E+00	1.46E-07	5.20E-08	4.57E-08	0.00E+00	9.77E-08
2116	481413.93	3767951.11	5.0457E-07	2.1015E-07	0.00E+00	7.15E-07	4.99E-07	3.06E-07	0.00E+00	8.05E-07	9.17E-08	5.21E-08	0.00E+00	1.44E-07	5.12E-08	4.50E-08	0.00E+00	9.61E-08
2117	481404.42	3767951.07	4.9675E-07	2.0689E-07	0.00E+00	7.04E-07	4.92E-07	3.01E-07	0.00E+00	7.93E-07	9.03E-08	5.13E-08	0.00E+00	1.42E-07	5.04E-08	4.43E-08	0.00E+00	9.46E-08
2118	481394.91	3767951.03	4.8929E-07	2.0379E-07	0.00E+00	6.93E-07	4.84E-07	2.97E-07	0.00E+00	7.81E-07	8.89E-08	5.05E-08	0.00E+00	1.39E-07	4.96E-08	4.36E-08	0.00E+00	9.32E-08
2119	481385.41	3767950.99	4.8226E-07	2.0086E-07	0.00E+00	6.83E-07	4.77E-07	2.92E-07	0.00E+00	7.69E-07	8.76E-08	4.98E-08	0.00E+00	1.37E-07	4.89E-08	4.30E-08	0.00E+00	9.19E-08
2120	481375.9	3767950.95	4.7563E-07	1.981E-07	0.00E+00	6.74E-07	4.71E-07	2.88E-07	0.00E+00	7.59E-07	8.64E-08	4.91E-08	0.00E+00	1.36E-07	4.82E-08	4.24E-08	0.00E+00	9.06E-08
2121	481366.39	3767950.91	4.6938E-07	1.955E-07	0.00E+00	6.65E-07	4.64E-07	2.84E-07	0.00E+00	7.49E-07	8.53E-08	4.85E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.94E-08
2122	481356.88	3767950.87	4.6349E-07	1.9304E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.40E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
2123	481347.37	3767950.83	4.579E-07	1.9071E-07	0.00E+00	6.49E-07	4.53E-07	2.77E-07	0.00E+00	7.31E-07	8.32E-08	4.73E-08	0.00E+00	1.30E-07	4.64E-08	4.08E-08	0.00E+00	8.72E-08
2124	481337.86	3767950.79	4.5266E-07	1.8853E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
2125	481596.85	3767950.43	7.0548E-07	2.9383E-07	0.00E+00	9.99E-07	6.98E-07	4.28E-07	0.00E+00	1.13E-06	1.28E-07	7.28E-08	0.00E+00	2.01E-07	7.16E-08	6.29E-08	0.00E+00	1.34E-07
2126	481605.43	3767954.04	7.2701E-07	3.028E-07	0.00E+00	1.03E-06	7.19E-07	4.41E-07	0.00E+00	1.16E-06	1.32E-07	7.50E-08	0.00E+00	2.07E-07	7.37E-08	6.48E-08	0.00E+00	1.39E-07
2127	481614.02	3767957.64	7.4902E-07	3.1196E-07	0.00E+00	1.06E-06	7.41E-07	4.54E-07	0.00E+00	1.20E-06	1.36E-07	7.73E-08	0.00E+00	2.13E-07	7.60E-08	6.67E-08	0.00E+00	1.43E-07
2128	481622.6	3767961.25	7.717E-07	3.2141E-07	0.00E+00	1.09E-06	7.64E-07	4.68E-07	0.00E+00	1.23E-06	1.40E-07	7.97E-08	0.00E+00	2.20E-07	7.83E-08	6.88E-08	0.00E+00	1.47E-07
2129	481631.19	3767964.86	7.9502E-07	3.3112E-07	0.00E+00	1.13E-06	7.87E-07	4.82E-07	0.00E+00	1.27E-06	1.44E-07	8.21E-08	0.00E+00	2.27E-07	8.06E-08	7.08E-08	0.00E+00	1.51E-07
2130	481639.77	3767968.46	8.1903E-07	3.4112E-07	0.00E+00	1.16E-06	8.10E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.45E-08	0.00E+00	2.33E-07	8.31E-08	7.30E-08	0.00E+00	1.56E-07
2131	481648.36	3767972.07	8.4354E-07	3.5133E-07	0.00E+00	1.19E-06	8.35E-07	5.11E-07	0.00E+00	1.35E-06	1.53E-07	8.71E-08	0.00E+00	2.40E-07	8.56E-08	7.52E-08	0.00E+00	1.61E-07
2132	481656.94	3767975.67	8.6838E-07	3.6168E-07	0.00E+00	1.23E-06	8.59E-07	5.26E-07	0.00E+00	1.39E-06	1.58E-07	8.96E-08	0.00E+00	2.47E-07	8.81E-08	7.74E-08	0.00E+00	1.65E-07
2133	481665.53	3767979.28	8.9363E-07	3.7219E-07	0.00E+00	1.27E-06	8.84E-07	5.42E-07	0.00E+00	1.43E-06	1.62E-07	9.22E-08	0.00E+00	2.55E-07	9.06E-08	7.96E-08	0.00E+00	1.70E-07
2134	481674.11	3767982.89	9.1916E-07	3.8283E-07	0.00E+00	1.30E-06	9.10E-07	5.57E-07	0.00E+00	1.47E-06	1.67E-07	9.49E-08	0.00E+00	2.62E-07	9.32E-08	8.19E-08	0.00E+00	1.75E-07
2135	481682.7	3767986.49	9.1023E-07	3.7911E-07	0.00E+00	1.29E-06	9.01E-07	5.52E-07	0.00E+00	1.45E-06	1.65E-07	9.40E-08	0.00E+00	2.59E-07	9.23E-08	8.11E-08	0.00E+00	1.73E-07
2136	481691.28	3767990.1	9.3337E-07	3.8875E-07	0.00E+00	1.32E-06	9.24E-07	5.66E-07	0.00E+00	1.49E-06	1.70E-07	9.63E-08	0.00E+00	2.66E-07	9.47E-08	8.32E-08	0.00E+00	1.78E-07
2137	481699.87	3767993.7	9.5683E-07	3.9851E-07	0.00E+00	1.36E-06	9.47E-07	5.80E-07	0.00E+00	1.53E-06	1.74E-07	9.88E-08	0.00E+00	2.73E-07	9.71E-08	8.52E-08	0.00E+00	1.82E-07
2138	481708.45	3767997.31	9.8041E-07	4.0834E-07	0.00E+00	1.39E-06	9.70E-07	5.94E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.95E-08	8.73E-08	0.00E+00	1.87E-07
2139	481717.04	3768000.92	1.0042E-06	4.1825E-07	0.00E+00	1.42E-06	9.94E-07	6.09E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.95E-08	0.00E+00	1.91E-07
2140	481725.62	3768004.52	1.0285E-06	4.2838E-07	0.00E+00	1.46E-06	1.02E-06	6.23E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.16E-08	0.00E+00	1.96E-07
2141	481734.21	3768008.13	1.0528E-06	4.3849E-07	0.00E+00	1.49E-06	1.04E-06	6.38E-07	0.00E+00	1.68E-06	1.91E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.38E-08	0.00E+00	2.01E-07
2142	481742.79	3768011.73	1.0763E-06	4.4829E-07	0.00E+00	1.52E-06	1.07E-06	6.52E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.07E-07	1.09E-07	9.59E-08	0.00E+00	2.05E-07
2143	481751.38	3768015.34	1.0996E-06	4.5798E-07	0.00E+00	1.56E-06	1.09E-06	6.66E-07	0.00E+00	1.75E-06	2.00E-07	1.13E-07	0.00E+00	3.13E-07	1.12E-07	9.80E-08	0.00E+00	2.10E-07
2144	481759.96	3768018.95	1.1256E-06	4.6881E-07	0.00E+00	1.59E-06	1.11E-06	6.82E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
2145	481768.55	3768022.55	1.1511E-06	4.7944E-07	0.00E+00	1.63E-06	1.14E-06	6.98E-07	0.00E+00	1.84E-06	2.09E-07	1.19E-07	0.00E+00	3.28E-07	1.17E-07	1.03E-07	0.00E+00	2.19E-07
2146	481777.13	3768026.16	1.1758E-06	4.897E-07	0.00E+00	1.67E-06	1.16E-06	7.13E-07	0.00E+00	1.88E-06	2.14E-07	1.21E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
2147	481785.72	3768029.76	1.1976E-06	4.9879E-07	0.00E+00	1.70E-06	1.19E-06	7.26E-07	0.00E+00	1.91E-06	2.18E-07	1.24E-07	0.00E+00	3.41E-07	1.21E-07	1.07E-07	0.00E+00	2.28E-07
2148	481794.3	3768033.37	1.2186E-06	5.0752E-07	0.00E+00	1.73E-06	1.21E-06	7.38E-07	0.00E+00	1.94E-06	2.21E-07	1.26E-07	0.00E+00	3.47E-07	1.24E-07	1.09E-07	0.00E+00	2.32E-07
2149	481802.89	3768036.98	1.2397E-06	5.1633E-07	0.00E+00	1.76E-06	1.23E-06	7.51E-07	0.00E+00	1.98E-06	2.25E-07	1.28E-07	0.00E+00	3.53E-07	1.26E-07	1.10E-07	0.00E+00	2.36E-07
2150	481811.47	3768040.58	1.2608E-06	5.2512E-07	0.00E+00	1.79E-06	1.25E-06	7.64E-07	0.00E+00	2.01E-06	2.29E-07	1.30E-07	0.00E+00	3.59E-07	1.28E-07	1.12E-07	0.00E+00	2.40E-07
2151	481820.06	3768044.19	1.2819E-06	5.3392E-07	0.00E+00	1.82E-06	1.27E-06	7.77E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.65E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
2152	481832.15	3768056.42	1.3522E-06	5.632E-07	0.00E+00	1.92E-06	1.34E-06	8.19E-07	0.00E+00	2.16E-06	2.46E-07	1.40E-07	0.00E+00	3.85E-07	1.37E-07	1.20E-07	0.00E+00	2.58E-07
2153	481835.66	3768065.05	1.4045E-06	5.8497E-07	0.00E+00	1.99E-06	1.39E-06	8.51E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	4.00E-07	1.42E-07	1.25E-07	0.00E+00	2.68E-07
2154	481839.16	3768073.67	1.4584E-06	6.0743E-07	0.00E+00	2.07E-06	1.44E-06	8.84E-07	0.00E+00	2.33E-06	2.65E-07	1.51E-07	0.00E+00	4.16E-07	1.48E-07	1.30E-07	0.00E+00	2.78E-07
2155	481842.67	3768082.3	0.000001514	6.3056E-07	0.00E+00	2.14E-06	1.50E-06	9.18E-07	0.00E+00	2.42E-06	2.75E-07	1.56E-07	0.00E+00	4.31E-07	1.54E-07	1.35E-07	0.00E+00	2.88E-07
2156	481846.18	3768090.92	0.000001571	6.5432E-07	0.00E+00	2.23E-06	1.55E-06	9.52E-07	0.00E+00	2.51E-06	2.85E-07	1.62E-07	0.00E+00	4.48E-07	1.59E-07	1.40E-07	0.00E+00	2.99E-07
2157	481849.69	3768099.55	1.6297E-06	6.7875E-07	0.00E+00	2.31E-06	1.61E-06	9.88E-07	0.00E+00	2.60E-06	2.96E-07	1.68E-07	0.00E+00	4.64E-07	1.65E-07	1.45E-07	0.00E+00	3.11E-07
2158	481853.19	3768108.18	1.6905E-06	7.0409E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.70E-06	3.07E-07	1.74E-07	0.00E+00	4.82E-07	1.71E-07	1.51E-07	0.00E+00	3.22E-07
2159	481856.7	3768116.8	0.000001755	7.3097E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
2160	481860.21	3768125.43	1.8212E-06	7.5851E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.19E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
2161	481863.71	3768134.05	1.8886E-06	7.8661E-07	0.00E+00	2.68E-06	1.87E-06	1.14E-06	0.00E+00	3.01E-06	3.43E-07	1.95E-07	0.00E+00	5.38E-07	1.92E-07	1.68E-07	0.00E+00	3.60E-07
2162	481867.22	3768142.68	1.9552E-06	8.1435E-07	0.00E+00	2.77E-06	1.93E-06	1.18E-06	0.00E+00	3.12E-06	3.55E-07	2.02E-07	0.00E+00	5.57E-07	1.98E-07	1.74E-07	0.00E+00	3.73E-07
2163	481870.73	3768151.31	2.0222E-06	8.4225E-07	0.00E+00	2.86E-06	2.00E-06	1.23E-06	0.00E+00	3.23E-06	3.67E-07	2.09E-07	0.00E+00	5.76E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
2164	481874.23	3768159.93	2.0909E-06	8.7086E-07	0.00E+00	2.96E-06	2.07E-06	1.27E-06	0.00E+00	3.34E-06	3.80E-07	2.16E-07	0.00E+00	5.96E-07	2.12E-07	1.86E-07	0.00E+00	3.98E-07
2165	481877.74	3768168.56	2.1615E-06	9.0027E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.16E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07
2166	481881.25	3768177.18	2.2333E-06	9.3015E-07	0.00E+00	3.16E-06	2.21E-06	1.35E-06	0.00E+00	3.56E-06	4.06E-07	2.31E-07	0.00E+00	6.36E-07	2.27E-07	1.99E-07	0.00E+00	4.26E-07
2167	481884.76	3768185.81	2.3045E-06	9.598E-07	0.00E+00	3.26E-06	2.28E-06	1.40E-06	0.00E+00	3.68E-06	4.19E-07	2.38E-07	0.00E+00	6.57E-07	2.34E-07	2.05E-07	0.00E+00	4.39E-07
2168	481888.26	3768194.44	2.3748E-06	9.8907E-07	0.00E+00	3.36E-06	2.35E-06	1.44E-06	0.00E+00	3.79E-06	4.31E-07	2.45E-07	0.00E+00	6.77E-07	2.41E-07	2.12E-07	0.00E+00	4.52E-07
2169	481891.77	3768203.06	2.4432E-06	1.0176E-06	0.00E+00	3.46E-06	2.42E-06	1.48E-06	0.00E+00	3.90E-06	4.44E-07	2.52E-07	0.00E+00	6.96E-07	2.48E-07	2.18E-07	0.00E+00	4.66E-07
2170	481895.28	3768211.69	2.5107E-06	1.0457E-06	0.00E+00	3.56E-06	2.48E-06	1.52E-06	0.00E+00	4.01E-06	4.56E-07	2.59E-07	0.00E+00	7.15E-07	2.55E-07	2.24E-07	0.00E+00	4.78E-07
2171	481898.78	3768220.31	2.5768E-06	1.0732E-06	0.00E+00	3.65E-06	2.55E-06	1.56E-06	0.00E+00	4.11E-06	4.68E-07	2.66E-07	0.00E+00	7.34E-07	2.61E-07	2.30E-07	0.00E+00	4.91E-07
2172	481902.29	3768228.94	2.6426E-06	1.1006E-06	0.00E+00	3.74E-06	2.61E-06	1.60E-06	0.00E+00	4.22E-06	4.80E-07	2.73E-07	0.00E+00	7.53E-07	2.68E-07	2.35E-07	0.00E+00	5.03E-07
2173	481905.8	3768237.57	2.7072E-06	1.1275E-06	0.00E+00	3.83E-06	2.68E-06	1.64E-06	0.00E+00	4.32E-06	4.92E-07	2.79E-07	0.00E+00	7.71E-07	2.75E-07	2.41E-07	0.00E+00	5.16E-07
2174	481909.3	3768246.19	2.7681E-06	1.1529E-06	0.00E+00	3.92E-06	2.74E-06	1.68E-06	0.00E+00	4.42E-06	5.03E-07	2.86E-07	0.00E+00	7.89E-07	2.81E-07	2.47E-07	0.00E+00	5.27E-07
2175	481912.81	3768254.82	0.000002825	1.1766E-06	0.00E+00	4.00E-06	2.80E-06	1.71E-06	0.00E+00	4.51E-06	5.13E-07	2.92E-07	0.00E+00	8.05E-07	2.87E-07	2.52E-07	0.00E+00	5.38E-07
2176	481916.32	3768263.44	2.8774E-06	1.1984E-06	0.00E+00	4.08E-06	2.85E-06	1.74E-06	0.00E+00	4.59E-06	5.23E-07	2.97E-07	0.00E+00	8.20E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
2177	481919.83	3768272.07	2.9256E-06	1.2185E-06	0.00E+00	4.14E-06	2.90E-06	1.77E-06	0.00E+00	4.67E-06	5.32E-07	3.02E-07	0.00E+00	8.34E-07	2.97E-07	2.61E-07	0.00E+00	5.57E-07
2178	481923.33	3768280.7	2.9693E-06	1.2367E-06	0.00E+00	4.21E-06	2.94E-06	1.80E-06	0.00E+00	4.74E-06	5.40E-07	3.06E-07	0.00E+00	8.46E-07	3.01E-07	2.65E-07	0.00E+00	5.66E-07
2179	481926.84	3768289.32	3.0077E-06	1.2527E-06	0.00E+00	4.26E-06	2.98E-06	1.82E-06	0.00E+00	4.80E-06	5.46E-07	3.10E-07	0.00E+00	8.57E-07	3.05E-07	2.68E-07	0.00E+00	5.73E-07
2180	481930.35	3768297.95	3.0406E-06	1.2664E-06	0.00E+00	4.31E-06	3.01E-06	1.84E-06	0.00E+00	4.85E-06	5.52E-07	3.14E-07	0.00E+00	8.66E-07	3.08E-07	2.71E-07	0.00E+00	5.79E-07
2181	481571.76	3767909.84	5.6899E-07	2.3698E-07	0.00E+00	8.06E-07	5.63E-07	3.45E-07	0.00E+00	9.08E-07	1.03E-07	5.87E-08	0.00E+00	1.62E-07	5.77E-08	5.07E-08	0.00E+00	1.08E-07
2182	481580.46	3767913.5	5.8632E-07	2.442E-07	0.00E+00	8.31E-07	5.80E-07	3.55E-07	0.00E+00	9.36E-07	1.07E-07	6.05E-08	0.00E+00	1.67E-07	5.95E-08	5.22E-08	0.00E+00	1.12E-07
2183	481589.15	3767917.15	6.042E-07	2.5165E-07	0.00E+00	8.56E-07	5.98E-07	3.66E-07	0.00E+00	9.64E-07	1.10E-07	6.24E-08	0.00E+00	1.72E-07	6.13E-08	5.38E-08	0.00E+00	1.15E-07
2184

2212	481867.74	3768070.38	1.4162E-06	5.8986E-07	0.00E+00	2.01E-06	1.40E-06	8.58E-07	0.00E+00	2.26E-06	2.57E-07	1.46E-07	0.00E+00	4.04E-07	1.44E-07	1.26E-07	0.00E+00	2.70E-07
2213	481871.29	3768079.12	1.4672E-06	6.1106E-07	0.00E+00	2.08E-06	1.45E-06	8.89E-07	0.00E+00	2.34E-06	2.67E-07	1.51E-07	0.00E+00	4.18E-07	1.49E-07	1.31E-07	0.00E+00	2.80E-07
2214	481874.84	3768087.85	1.5194E-06	6.3281E-07	0.00E+00	2.15E-06	1.50E-06	9.21E-07	0.00E+00	2.42E-06	2.76E-07	1.57E-07	0.00E+00	4.33E-07	1.54E-07	1.35E-07	0.00E+00	2.89E-07
2215	481878.39	3768096.59	1.5728E-06	6.5508E-07	0.00E+00	2.23E-06	1.56E-06	9.53E-07	0.00E+00	2.51E-06	2.86E-07	1.62E-07	0.00E+00	4.48E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
2216	481881.94	3768105.32	1.6274E-06	6.7782E-07	0.00E+00	2.31E-06	1.61E-06	9.86E-07	0.00E+00	2.60E-06	2.96E-07	1.68E-07	0.00E+00	4.64E-07	1.65E-07	1.45E-07	0.00E+00	3.10E-07
2217	481885.49	3768114.06	1.6858E-06	7.0214E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
2218	481889.05	3768122.8	1.7457E-06	7.2709E-07	0.00E+00	2.47E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.17E-07	1.80E-07	0.00E+00	4.97E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
2219	481892.6	3768131.53	1.8068E-06	7.5254E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.88E-06	3.28E-07	1.86E-07	0.00E+00	5.15E-07	1.83E-07	1.61E-07	0.00E+00	3.44E-07
2220	481896.15	3768140.27	1.8687E-06	7.7829E-07	0.00E+00	2.65E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.40E-07	1.93E-07	0.00E+00	5.32E-07	1.90E-07	1.66E-07	0.00E+00	3.56E-07
2221	481899.7	3768149	1.9316E-06	8.0451E-07	0.00E+00	2.74E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.50E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
2222	481903.25	3768157.74	1.9951E-06	8.3094E-07	0.00E+00	2.83E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.63E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
2223	481906.8	3768166.47	2.0588E-06	8.5747E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
2224	481910.36	3768175.21	2.1199E-06	8.8292E-07	0.00E+00	3.00E-06	2.10E-06	1.28E-06	0.00E+00	3.38E-06	3.85E-07	2.19E-07	0.00E+00	6.04E-07	2.15E-07	1.89E-07	0.00E+00	4.04E-07
2225	481913.91	3768183.95	2.1809E-06	9.0834E-07	0.00E+00	3.09E-06	2.16E-06	1.32E-06	0.00E+00	3.48E-06	3.96E-07	2.25E-07	0.00E+00	6.21E-07	2.21E-07	1.94E-07	0.00E+00	4.16E-07
2226	481917.46	3768192.68	2.2416E-06	9.3363E-07	0.00E+00	3.18E-06	2.22E-06	1.36E-06	0.00E+00	3.58E-06	4.07E-07	2.31E-07	0.00E+00	6.39E-07	2.27E-07	2.00E-07	0.00E+00	4.27E-07
2227	481921.01	3768201.42	2.3028E-06	9.591E-07	0.00E+00	3.26E-06	2.28E-06	1.40E-06	0.00E+00	3.67E-06	4.18E-07	2.38E-07	0.00E+00	6.56E-07	2.34E-07	2.05E-07	0.00E+00	4.39E-07
2228	481924.56	3768210.15	0.000002364	9.8458E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.30E-07	2.44E-07	0.00E+00	6.74E-07	2.40E-07	2.11E-07	0.00E+00	4.50E-07
2229	481928.11	3768218.89	2.4241E-06	1.0096E-06	0.00E+00	3.43E-06	2.40E-06	1.47E-06	0.00E+00	3.87E-06	4.40E-07	2.50E-07	0.00E+00	6.91E-07	2.46E-07	2.16E-07	0.00E+00	4.62E-07
2230	481952.97	3768280.04	2.7561E-06	1.1479E-06	0.00E+00	3.90E-06	2.73E-06	1.67E-06	0.00E+00	4.40E-06	5.01E-07	2.84E-07	0.00E+00	7.85E-07	2.80E-07	2.46E-07	0.00E+00	5.25E-07
2231	481956.53	3768288.77	2.7873E-06	1.1609E-06	0.00E+00	3.95E-06	2.76E-06	1.69E-06	0.00E+00	4.45E-06	5.06E-07	2.88E-07	0.00E+00	7.94E-07	2.83E-07	2.48E-07	0.00E+00	5.31E-07
2232	481960.08	3768297.51	2.8134E-06	1.1718E-06	0.00E+00	3.99E-06	2.78E-06	1.71E-06	0.00E+00	4.49E-06	5.11E-07	2.90E-07	0.00E+00	8.02E-07	2.85E-07	2.51E-07	0.00E+00	5.36E-07
2233	481963.63	3768306.25	2.8341E-06	1.1804E-06	0.00E+00	4.01E-06	2.80E-06	1.72E-06	0.00E+00	4.52E-06	5.15E-07	2.93E-07	0.00E+00	8.07E-07	2.87E-07	2.53E-07	0.00E+00	5.40E-07
2234	481967.18	3768314.98	2.8492E-06	1.1867E-06	0.00E+00	4.04E-06	2.82E-06	1.73E-06	0.00E+00	4.55E-06	5.18E-07	2.94E-07	0.00E+00	8.12E-07	2.89E-07	2.54E-07	0.00E+00	5.43E-07
2235	481970.73	3768323.72	2.8585E-06	1.1906E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.56E-06	5.19E-07	2.95E-07	0.00E+00	8.14E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
2236	481974.28	3768332.45	2.8618E-06	1.1919E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.57E-06	5.20E-07	2.95E-07	0.00E+00	8.15E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
2237	481528.29	3767891.58	4.9115E-07	2.0456E-07	0.00E+00	6.96E-07	4.86E-07	2.98E-07	0.00E+00	7.84E-07	8.92E-08	5.07E-08	0.00E+00	1.40E-07	4.98E-08	4.38E-08	0.00E+00	9.36E-08
2238	481518.78	3767891.54	4.8303E-07	2.0118E-07	0.00E+00	6.84E-07	4.78E-07	2.93E-07	0.00E+00	7.71E-07	8.78E-08	4.99E-08	0.00E+00	1.38E-07	4.90E-08	4.30E-08	0.00E+00	9.20E-08
2239	481509.27	3767891.51	4.7509E-07	1.9787E-07	0.00E+00	6.73E-07	4.70E-07	2.88E-07	0.00E+00	7.58E-07	8.63E-08	4.90E-08	0.00E+00	1.35E-07	4.82E-08	4.23E-08	0.00E+00	9.05E-08
2240	481499.76	3767891.47	4.673E-07	1.9463E-07	0.00E+00	6.62E-07	4.62E-07	2.83E-07	0.00E+00	7.46E-07	8.49E-08	4.82E-08	0.00E+00	1.33E-07	4.74E-08	4.16E-08	0.00E+00	8.90E-08
2241	481490.25	3767891.43	4.5969E-07	1.9146E-07	0.00E+00	6.51E-07	4.55E-07	2.79E-07	0.00E+00	7.33E-07	8.35E-08	4.74E-08	0.00E+00	1.31E-07	4.66E-08	4.10E-08	0.00E+00	8.76E-08
2242	481480.75	3767891.39	4.5229E-07	1.8838E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
2243	481471.24	3767891.35	4.4511E-07	1.8538E-07	0.00E+00	6.30E-07	4.40E-07	2.70E-07	0.00E+00	7.10E-07	8.09E-08	4.59E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.48E-08
2244	481461.73	3767891.31	4.3813E-07	1.8248E-07	0.00E+00	6.21E-07	4.34E-07	2.66E-07	0.00E+00	6.99E-07	7.96E-08	4.52E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.35E-08
2245	481452.22	3767891.27	4.3139E-07	1.7967E-07	0.00E+00	6.11E-07	4.27E-07	2.61E-07	0.00E+00	6.88E-07	7.84E-08	4.45E-08	0.00E+00	1.23E-07	4.38E-08	3.84E-08	0.00E+00	8.22E-08
2246	481442.71	3767891.23	4.2487E-07	1.7696E-07	0.00E+00	6.02E-07	4.20E-07	2.57E-07	0.00E+00	6.78E-07	7.72E-08	4.39E-08	0.00E+00	1.21E-07	4.31E-08	3.79E-08	0.00E+00	8.10E-08
2247	481433.2	3767891.19	4.186E-07	1.7434E-07	0.00E+00	5.93E-07	4.14E-07	2.54E-07	0.00E+00	6.68E-07	7.61E-08	4.32E-08	0.00E+00	1.19E-07	4.25E-08	3.73E-08	0.00E+00	7.98E-08
2248	481423.69	3767891.15	4.1257E-07	1.7183E-07	0.00E+00	5.84E-07	4.08E-07	2.50E-07	0.00E+00	6.58E-07	7.50E-08	4.26E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.86E-08
2249	481414.18	3767891.11	4.0676E-07	1.6941E-07	0.00E+00	5.76E-07	4.03E-07	2.47E-07	0.00E+00	6.49E-07	7.39E-08	4.20E-08	0.00E+00	1.16E-07	4.13E-08	3.62E-08	0.00E+00	7.75E-08
2250	481404.67	3767891.07	4.0119E-07	1.6709E-07	0.00E+00	5.68E-07	3.97E-07	2.43E-07	0.00E+00	6.40E-07	7.29E-08	4.14E-08	0.00E+00	1.14E-07	4.07E-08	3.57E-08	0.00E+00	7.64E-08
2251	481395.16	3767891.03	3.9585E-07	1.6487E-07	0.00E+00	5.61E-07	3.92E-07	2.40E-07	0.00E+00	6.32E-07	7.19E-08	4.09E-08	0.00E+00	1.13E-07	4.02E-08	3.53E-08	0.00E+00	7.54E-08
2252	481385.66	3767890.99	3.9079E-07	1.6276E-07	0.00E+00	5.54E-07	3.87E-07	2.37E-07	0.00E+00	6.24E-07	7.10E-08	4.03E-08	0.00E+00	1.11E-07	3.96E-08	3.48E-08	0.00E+00	7.45E-08
2253	481376.15	3767890.95	3.8599E-07	1.6077E-07	0.00E+00	5.47E-07	3.82E-07	2.34E-07	0.00E+00	6.16E-07	7.01E-08	3.98E-08	0.00E+00	1.10E-07	3.92E-08	3.44E-08	0.00E+00	7.35E-08
2254	481366.64	3767890.91	3.8144E-07	1.5887E-07	0.00E+00	5.40E-07	3.77E-07	2.31E-07	0.00E+00	6.09E-07	6.93E-08	3.94E-08	0.00E+00	1.09E-07	3.87E-08	3.40E-08	0.00E+00	7.27E-08
2255	481357.13	3767890.87	3.7714E-07	1.5708E-07	0.00E+00	5.34E-07	3.73E-07	2.29E-07	0.00E+00	6.02E-07	6.85E-08	3.89E-08	0.00E+00	1.07E-07	3.83E-08	3.36E-08	0.00E+00	7.19E-08
2256	481347.62	3767890.83	3.7307E-07	1.5538E-07	0.00E+00	5.28E-07	3.69E-07	2.26E-07	0.00E+00	5.95E-07	6.78E-08	3.85E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.11E-08
2257	481338.11	3767890.79	3.6923E-07	1.5378E-07	0.00E+00	5.23E-07	3.65E-07	2.24E-07	0.00E+00	5.89E-07	6.71E-08	3.81E-08	0.00E+00	1.05E-07	3.75E-08	3.29E-08	0.00E+00	7.03E-08
2258	481554.13	3767872.39	4.7815E-07	1.9915E-07	0.00E+00	6.77E-07	4.73E-07	2.90E-07	0.00E+00	7.63E-07	8.69E-08	4.94E-08	0.00E+00	1.36E-07	4.85E-08	4.26E-08	0.00E+00	9.11E-08
2259	481562.7	3767875.99	4.9154E-07	2.0472E-07	0.00E+00	6.96E-07	4.86E-07	2.98E-07	0.00E+00	7.84E-07	8.93E-08	5.07E-08	0.00E+00	1.40E-07	4.99E-08	4.38E-08	0.00E+00	9.37E-08
2260	481571.28	3767879.59	5.0541E-07	2.105E-07	0.00E+00	7.16E-07	5.00E-07	3.06E-07	0.00E+00	8.06E-07	9.18E-08	5.22E-08	0.00E+00	1.44E-07	5.13E-08	4.50E-08	0.00E+00	9.63E-08
2261	481605.57	3767893.99	5.6561E-07	2.3557E-07	0.00E+00	8.01E-07	5.60E-07	3.43E-07	0.00E+00	9.02E-07	1.03E-07	5.84E-08	0.00E+00	1.61E-07	5.74E-08	5.04E-08	0.00E+00	1.08E-07
2262	481614.14	3767897.59	5.8181E-07	2.4232E-07	0.00E+00	8.24E-07	5.76E-07	3.53E-07	0.00E+00	9.28E-07	1.06E-07	6.01E-08	0.00E+00	1.66E-07	5.90E-08	5.18E-08	0.00E+00	1.11E-07
2263	481622.71	3767901.19	5.9835E-07	2.4921E-07	0.00E+00	8.48E-07	5.92E-07	3.63E-07	0.00E+00	9.55E-07	1.09E-07	6.18E-08	0.00E+00	1.70E-07	6.07E-08	5.33E-08	0.00E+00	1.14E-07
2264	481631.28	3767904.79	6.1473E-07	2.5603E-07	0.00E+00	8.71E-07	6.08E-07	3.73E-07	0.00E+00	9.81E-07	1.12E-07	6.35E-08	0.00E+00	1.75E-07	6.24E-08	5.48E-08	0.00E+00	1.17E-07
2265	481639.86	3767908.39	6.3122E-07	2.629E-07	0.00E+00	8.94E-07	6.25E-07	3.83E-07	0.00E+00	1.01E-06	1.15E-07	6.52E-08	0.00E+00	1.80E-07	6.40E-08	5.62E-08	0.00E+00	1.20E-07
2266	481648.43	3767911.99	6.4818E-07	2.6996E-07	0.00E+00	9.18E-07	6.41E-07	3.93E-07	0.00E+00	1.03E-06	1.18E-07	6.69E-08	0.00E+00	1.85E-07	6.58E-08	5.77E-08	0.00E+00	1.23E-07
2267	481657	3767915.59	6.6553E-07	2.7719E-07	0.00E+00	9.43E-07	6.59E-07	4.03E-07	0.00E+00	1.06E-06	1.21E-07	6.87E-08	0.00E+00	1.90E-07	6.75E-08	5.93E-08	0.00E+00	1.27E-07
2268	481665.57	3767919.2	6.8345E-07	2.8465E-07	0.00E+00	9.68E-07	6.76E-07	4.14E-07	0.00E+00	1.09E-06	1.24E-07	7.05E-08	0.00E+00	1.95E-07	6.93E-08	6.09E-08	0.00E+00	1.30E-07
2269	481674.15	3767922.8	7.0181E-07	2.923E-07	0.00E+00	9.94E-07	6.94E-07	4.25E-07	0.00E+00	1.12E-06	1.28E-07	7.24E-08	0.00E+00	2.00E-07	7.12E-08	6.25E-08	0.00E+00	1.34E-07
2270	481682.72	3767926.4	0.000000694	2.8905E-07	0.00E+00	9.83E-07	6.87E-07	4.21E-07	0.00E+00	1.11E-06	1.26E-07	7.16E-08	0.00E+00	1.98E-07	7.04E-08	6.18E-08	0.00E+00	1.32E-07
2271	481691.29	3767930	7.1069E-07	0.000000296	0.00E+00	1.01E-06	7.03E-07	4.31E-07	0.00E+00	1.13E-06	1.29E-07	7.34E-08	0.00E+00	2.02E-07	7.21E-08	6.33E-08	0.00E+00	1.35E-07
2272	481734.15	3767948	7.9798E-07	3.3236E-07	0.00E+00	1.13E-06	7.90E-07	4.84E-07	0.00E+00	1.27E-06	1.45E-07	8.24E-08	0.00E+00	2.27E-07	8.09E-08	7.11E-08	0.00E+00	1.52E-07
2273	481742.73	3767951.6	8.1591E-07	3.3982E-07	0.00E+00	1.16E-06	8.07E-07	4.94E-07	0.00E+00	1.30E-06	1.48E-07	8.42E-08	0.00E+00	2.32E-07	8.28E-08	7.27E-08	0.00E+00	1.55E-07
2274	481751.3	3767955.2	8.3391E-07	3.4732E-07	0.00E+00	1.18E-06	8.25E-07	5.05E-07	0.00E+00	1.33E-06	1.52E-07	8.61E-08	0.00E+00	2.38E-07	8.46E-08	7.43E-08	0.00E+00	1.59E-07
2275	481759.87	3767958.8	8.5234E-07	0.000000355	0.00E+00	1.21E-06	8.43E-07	5.17E-07	0.00E+00	1.36E-06	1.55E-07	8.80E-08	0.00E+00	2.43E-07	8.65E-08	7.59E-08	0.00E+00	1.62E-07
2276	481768.44	3767962.4	8.7058E-07	3.6259E-07	0.00E+00	1.23E-06	8.61E-07	5.28E-07	0.00E+00	1.39E-06	1.58E-07	8.99E-08	0.00E+00	2.48E-07	8.83E-08	7.76E-08	0.00E+00	1.66E-07
2277	481777.02	3767966	8.8839E-07	3.7001E-07	0.00E+00	1.26E-06	8.79E-07	5.38E-07	0.00E+00	1.42E-06	1.61E-07	9.17E-08	0.00E+00	2.53E-07	9.01E-08	7.91E-08	0.00E+00	1.69E-07
2278	481785.59	3767969.6	9.0622E-07	3.7744E-07	0.00E+00	1.28E-06	8.97E-07	5.49E-07	0.00E+00	1.45E-06	1.65E-07	9.35E-08	0.00E+00	2.58E-07	9.19E-08	8.07E-08	0.00E+00	1.73E-07
2279	481794.16	3767973.21	9.2425E-07	3.8495E-07	0.00E+00	1.31E-06	9.15E-07	5.60E-07	0.00E+00	1.47E-06	1.68E-07	9.54E-08	0.00E+00	2.63E-07	9.38E-08	8.23E-08	0.00E+00	1.76E-07
2280	481802.73	3767976.81	9.4203E-07	3.9235E-07	0.00E+00	1.33E-06	9.32E-07	5.71E-07	0.00E+00	1.50E-06	1.71E-07	9.72E-08	0.00E+00	2.68E-07	9.56E-08	8.39E-08	0.00E+00	1.79E-07
2281	481811.31	3767980.41	9.5962E-07	3.9968E-07	0.00E+00	1.36E-06	9.50E-07	5.82E-07	0.00E+00	1.53E-06	1.74E-07	9.91E-08	0.00E+00	2.73E-07	9.73E-08	8.55E-08	0.00E+00	1.83E-07
2282	481819.88	3767984.01	9.7699E-07	4.0691E-07	0.00E+00	1.38E-06	9.67E-07	5.92E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.78E-07	9.91E-08	8.70E-08	0.00E+00	1.86E-07
2283	481828.45	3767987.61	9.9418E-07	4.1407E-07	0.00E+00	1.41E-06	9.84E-07	6.03E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.86E-08	0.00E+00	1.89E-07
2284	481837.02	3767991.21	1.0115E-06	4.2129E-07	0.00E+00	1.43E-06	1.00E-06	6.13E-07	0.00E+00	1.61E-06	1.84E-07	1.04E-07	0.00E+00	2.88E-07	1.03E-07	9.01E-08	0.00E+00	1.93E-07
2285	481845.6	3767994.81	1.0283E-06	4.2827E-07	0.00E+00	1.46E-06	1.02E-06	6.23E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.16E-08	0.00E+00	1.96E-07
2286	481854.17	3767998.41	0.000001044	4.3482E-07	0.00E+00	1.48E-06	1.03E-06	6.33E-07	0.00E+00	1.67E-06	1.90E-07	1.08E-07	0.00E+00	2.97E-07	1.06E-07	9.30E-08	0.00E+00	1.99E-07
2287	481862.74	3768002.01	1.0588E-06	4.4098E-07	0.00E+00	1.50E-06	1.05E-06	6.42E-07	0.00E+00	1.69E-06	1.92E-07	1.09E-07	0.00E+00	3.02E-07	1.07E-07	9.43E-08	0.00E+00	2.02E-07
2288	481874.82	3768014.23	1.1114E-06	4.6288E-07	0.00E+00	1.57E-06	1.10E-06	6.74E-07	0.00E+00	1.77E-06	2.02E-07	1.15E-07	0.00E+00	3.17E-07	1.13E-07	9.90E-08	0.00E+00	2.12E-07
2289	481878.32	3768022.84	1.1518E-06	4.7973E-07	0.00E+00	1.63E-06	1.14E-06	6.98E-07	0.00E+00	1.84E-06	2.09E-07	1.19E-07	0.00E+00	3.28E-07	1.17E-07	1.03E-07	0.00E+00	2.19E-07
2290	481881.82	3768031.45	1.1934E-06	4.9703E-07	0.00E+00	1.69E-06	1.18E-06	7.23E-07	0.00E+00	1.90E-06	2.17E-07	1.23E-07	0.00E+00	3.40E-07	1.21E-07	1.06E-07	0.00E+00	2.27E-07
2291	481885.32	3768040.07	1.2358E-06	5.147E-07	0.00E+00	1.75E-06	1.22E-06	7.49E-07	0.00E+00	1.97E-06	2.25E-07	1.28E-07	0.00E+00	3.52E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
2292	481888.82	3768048.68	1.2786E-06	5.3251E-07	0.00E+00	1.81E-06	1.27E-06	7.75E-07	0.00E+00	2.04E-06	2.32E-07	1.32E-07	0.00E+00	3.64E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
2293	481892.32	3768057.29	1.3217E-06	5.5048E-07	0.00E+00	1.87E-06	1.31E-06	8.01E-07	0.00E+00	2.11E-06	2.40E-07	1.36E-07	0.00E+00	3.77E-07	1.34E-07	1.18E-07	0.00E+00	2.52E-07
2294	481895.83	3768065.91	0.000001366	5.6893E-07	0.00E+00	1.93E-06	1.35E-06	8.28E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.89E-07	1.39E-07	1.22E-07	0.00E+00	2.60E-07
2295	481899.33	3768074.52	1.4112E-06	5.8774E-07	0.00E+00	2.00E-06	1.40E-06	8.55E-07	0.00E+00	2.25E-06	2.56E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
2296	481902.83	3768083.13	1.4582E-06	6.0733E-07	0.00E+00	2.07E-06	1.44E-06	8.84E-07	0.00E+00	2.33E-06	2.65E-07	1.51E-07	0.00E+00	4.15E-07	1.48E-07	1.30E-07	0.00E+00	2.78E-07
2297	481906.33	3768091.74	1.5065E-06	6.2743E-07	0.00E+00	2.13E-06	1.49E-06	9.13E-07	0.00E+00	2.40E-06	2.74E-07	1.55E-07	0.00E+00	4.29E-07	1.53E-07	1.34E-07	0.00E+00	2.87E-07
2298	481909.83	3768100.36	1.5558E-06	6.4798E-07	0.00E+00	2.20E-06	1.54E-06	9.43E-07	0.00E+00	2.48E-06	2.83E-07	1.61E-07	0.00E+00	4.43E-07	1.58E-07	1.39E-07	0.00E+00	2.96E-07
2299	481913.34	3768108.97	1.6065E-06	6.6908E-07	0.00E+00	2.28E-06	1.59E-06	9.74E-07	0.00E+00	2.56E-06	2.92E-07	1.66E-07	0.00E+00	4.58E-07	1.63E-07	1.43E-07	0.00E+00	3.06E-07
2300	481916.84	3768117.58	1.6587E-06	6.9082E-07	0.00E+00	2.35E-06	1.64E-06	1.01E-06	0.00E+00	2.65E-06	3.01E-07	1.71E-07	0.00E+00	4.73E-07	1.68E-07	1.48E-07	0.00E+00	3.16E-07
2301	481920.34	3768126.2	1.7112E-06	7.1271E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.11E-07	1.77E-07	0.00E+00	4.88E-07	1.74E-07	1.52E-07	0.00E+00	3.26E-07
2302	481923.84	3768134.81	1.7637E-06	7.3459E-07	0.00E+00	2.50E-06	1.75E-06	1.07E-06	0.00E+00	2.81E-06	3.20E-07	1.82E-07	0.00E+00	5.03E-07	1.79E-07	1.57E-07	0.00E+00	3.36E-07
2303	481927.34	3768143.42	1.8184E-06	7.5734E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.88E-07	0.00E+00	5.18E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
2304	481930.84	3768152.04	1.8741E-06	7.8056E-07	0.00E+00	2.65E-06	1.85E-06	1.14E-06	0.00E+00	2.99E-06	3.41E-07	1.93E-07	0.00E+00	5.34E-07	1.90E-07	1.67E-07	0.00E+00	3.57E-07
2305	481951.86	3768203.72	2.2001E-06	9.1631E-07	0.00E+00	3.12E-06	2.18E-06	1.33E-06	0.00E+00	3.51E-06	4.00E-07	2.27E-07	0.00E+00	6.27E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
2306	481955.36	3768212.33	2.2508E-06	9.3745E-07	0.00E+00	3.19E-06	2.23E-06	1.36E-06	0.00E+00	3.59E-06	4.09E-07	2.32E-07	0.00E+00	6.41E-07	2.28E-07	2.01E-07	0.00E+00	4.29E-07

2335	481385.78	3767860.99	3.5522E-07	1.4795E-07	0.00E+00	5.03E-07	3.52E-07	2.15E-07	0.00E+00	5.67E-07	6.45E-08	3.67E-08	0.00E+00	1.01E-07	3.60E-08	3.16E-08	0.00E+00	6.77E-08
2336	481376.27	3767860.95	3.5108E-07	1.4623E-07	0.00E+00	4.97E-07	3.47E-07	2.13E-07	0.00E+00	5.60E-07	6.38E-08	3.62E-08	0.00E+00	1.00E-07	3.56E-08	3.13E-08	0.00E+00	6.69E-08
2337	481366.76	3767860.91	3.4715E-07	1.4458E-07	0.00E+00	4.92E-07	3.44E-07	2.10E-07	0.00E+00	5.54E-07	6.31E-08	3.58E-08	0.00E+00	9.89E-08	3.52E-08	3.09E-08	0.00E+00	6.61E-08
2338	481357.25	3767860.87	3.434E-07	1.4303E-07	0.00E+00	4.86E-07	3.40E-07	2.08E-07	0.00E+00	5.48E-07	6.24E-08	3.54E-08	0.00E+00	9.78E-08	3.48E-08	3.06E-08	0.00E+00	6.54E-08
2339	481347.74	3767860.83	3.3987E-07	1.4155E-07	0.00E+00	4.81E-07	3.36E-07	2.06E-07	0.00E+00	5.42E-07	6.18E-08	3.51E-08	0.00E+00	9.68E-08	3.45E-08	3.03E-08	0.00E+00	6.48E-08
2340	481338.23	3767860.79	3.3652E-07	1.4016E-07	0.00E+00	4.77E-07	3.33E-07	2.04E-07	0.00E+00	5.37E-07	6.11E-08	3.47E-08	0.00E+00	9.59E-08	3.41E-08	3.00E-08	0.00E+00	6.41E-08
2341	481563.22	3767846.15	4.4191E-07	1.8405E-07	0.00E+00	6.26E-07	4.37E-07	2.68E-07	0.00E+00	7.05E-07	8.03E-08	4.56E-08	0.00E+00	1.26E-07	4.48E-08	3.94E-08	0.00E+00	8.42E-08
2342	481571.89	3767849.79	4.5388E-07	1.8904E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.24E-07	8.25E-08	4.68E-08	0.00E+00	1.29E-07	4.60E-08	4.04E-08	0.00E+00	8.65E-08
2343	481580.55	3767853.43	4.6623E-07	1.9418E-07	0.00E+00	6.60E-07	4.61E-07	2.83E-07	0.00E+00	7.44E-07	8.47E-08	4.81E-08	0.00E+00	1.33E-07	4.73E-08	4.15E-08	0.00E+00	8.88E-08
2344	481589.22	3767857.07	4.7899E-07	1.995E-07	0.00E+00	6.78E-07	4.74E-07	2.90E-07	0.00E+00	7.64E-07	8.70E-08	4.94E-08	0.00E+00	1.36E-07	4.86E-08	4.27E-08	0.00E+00	9.13E-08
2345	481597.89	3767860.72	4.9217E-07	2.0499E-07	0.00E+00	6.97E-07	4.87E-07	2.98E-07	0.00E+00	7.85E-07	8.94E-08	5.08E-08	0.00E+00	1.40E-07	4.99E-08	4.39E-08	0.00E+00	9.38E-08
2346	481632.57	3767875.28	5.4848E-07	2.2844E-07	0.00E+00	7.77E-07	5.43E-07	3.32E-07	0.00E+00	8.75E-07	9.97E-08	5.66E-08	0.00E+00	1.56E-07	5.56E-08	4.89E-08	0.00E+00	1.05E-07
2347	481641.24	3767878.92	5.6272E-07	2.3437E-07	0.00E+00	7.97E-07	5.57E-07	3.41E-07	0.00E+00	8.98E-07	1.02E-07	5.81E-08	0.00E+00	1.60E-07	5.71E-08	5.01E-08	0.00E+00	1.07E-07
2348	481649.91	3767882.56	5.774E-07	2.4048E-07	0.00E+00	8.18E-07	5.71E-07	3.50E-07	0.00E+00	9.21E-07	1.05E-07	5.96E-08	0.00E+00	1.65E-07	5.86E-08	5.14E-08	0.00E+00	1.10E-07
2349	481658.58	3767886.2	5.9244E-07	2.4675E-07	0.00E+00	8.39E-07	5.86E-07	3.59E-07	0.00E+00	9.45E-07	1.08E-07	6.12E-08	0.00E+00	1.69E-07	6.01E-08	5.28E-08	0.00E+00	1.13E-07
2350	481667.25	3767889.85	6.0812E-07	2.5328E-07	0.00E+00	8.61E-07	6.02E-07	3.69E-07	0.00E+00	9.70E-07	1.10E-07	6.28E-08	0.00E+00	1.73E-07	6.17E-08	5.42E-08	0.00E+00	1.16E-07
2351	481675.92	3767893.49	6.2406E-07	2.5992E-07	0.00E+00	8.84E-07	6.18E-07	3.78E-07	0.00E+00	9.96E-07	1.13E-07	6.44E-08	0.00E+00	1.78E-07	6.33E-08	5.56E-08	0.00E+00	1.19E-07
2352	481684.59	3767897.13	6.1742E-07	2.5715E-07	0.00E+00	8.75E-07	6.11E-07	3.74E-07	0.00E+00	9.85E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
2353	481693.26	3767900.77	6.3087E-07	2.6275E-07	0.00E+00	8.94E-07	6.24E-07	3.82E-07	0.00E+00	1.01E-06	1.15E-07	6.51E-08	0.00E+00	1.80E-07	6.40E-08	5.62E-08	0.00E+00	1.20E-07
2354	481701.92	3767904.41	6.4565E-07	2.6891E-07	0.00E+00	9.15E-07	6.39E-07	3.91E-07	0.00E+00	1.03E-06	1.17E-07	6.66E-08	0.00E+00	1.84E-07	6.55E-08	5.75E-08	0.00E+00	1.23E-07
2355	481710.59	3767908.05	6.6067E-07	2.7517E-07	0.00E+00	9.36E-07	6.54E-07	4.00E-07	0.00E+00	1.05E-06	1.20E-07	6.82E-08	0.00E+00	1.88E-07	6.70E-08	5.89E-08	0.00E+00	1.26E-07
2356	481719.26	3767911.69	6.7592E-07	2.8152E-07	0.00E+00	9.57E-07	6.69E-07	4.10E-07	0.00E+00	1.08E-06	1.23E-07	6.98E-08	0.00E+00	1.93E-07	6.86E-08	6.02E-08	0.00E+00	1.29E-07
2357	481727.93	3767915.34	6.914E-07	2.8796E-07	0.00E+00	9.79E-07	6.84E-07	4.19E-07	0.00E+00	1.10E-06	1.26E-07	7.14E-08	0.00E+00	1.97E-07	7.01E-08	6.16E-08	0.00E+00	1.32E-07
2358	481736.6	3767918.98	7.0703E-07	2.9447E-07	0.00E+00	1.00E-06	7.00E-07	4.28E-07	0.00E+00	1.13E-06	1.28E-07	7.30E-08	0.00E+00	2.01E-07	7.17E-08	6.30E-08	0.00E+00	1.35E-07
2359	481745.27	3767922.62	7.2286E-07	3.0107E-07	0.00E+00	1.02E-06	7.15E-07	4.38E-07	0.00E+00	1.15E-06	1.31E-07	7.46E-08	0.00E+00	2.06E-07	7.33E-08	6.44E-08	0.00E+00	1.38E-07
2360	481753.94	3767926.26	7.3878E-07	3.077E-07	0.00E+00	1.05E-06	7.31E-07	4.48E-07	0.00E+00	1.18E-06	1.34E-07	7.63E-08	0.00E+00	2.10E-07	7.49E-08	6.58E-08	0.00E+00	1.41E-07
2361	481762.61	3767929.9	7.5478E-07	3.1436E-07	0.00E+00	1.07E-06	7.47E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.79E-08	0.00E+00	2.15E-07	7.66E-08	6.72E-08	0.00E+00	1.44E-07
2362	481805.96	3767948.11	8.3552E-07	3.4799E-07	0.00E+00	1.18E-06	8.27E-07	5.06E-07	0.00E+00	1.33E-06	1.52E-07	8.62E-08	0.00E+00	2.38E-07	8.48E-08	7.44E-08	0.00E+00	1.59E-07
2363	481814.63	3767951.75	8.5155E-07	3.5467E-07	0.00E+00	1.21E-06	8.43E-07	5.16E-07	0.00E+00	1.36E-06	1.55E-07	8.79E-08	0.00E+00	2.43E-07	8.64E-08	7.59E-08	0.00E+00	1.62E-07
2364	481823.29	3767955.39	8.6745E-07	3.6129E-07	0.00E+00	1.23E-06	8.58E-07	5.26E-07	0.00E+00	1.38E-06	1.58E-07	8.95E-08	0.00E+00	2.47E-07	8.80E-08	7.73E-08	0.00E+00	1.65E-07
2365	481831.96	3767959.03	8.832E-07	3.6785E-07	0.00E+00	1.25E-06	8.74E-07	5.35E-07	0.00E+00	1.41E-06	1.60E-07	9.12E-08	0.00E+00	2.52E-07	8.96E-08	7.87E-08	0.00E+00	1.68E-07
2366	481840.63	3767962.67	8.9868E-07	3.743E-07	0.00E+00	1.27E-06	8.89E-07	5.45E-07	0.00E+00	1.43E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
2367	481849.3	3767966.31	9.1386E-07	3.8062E-07	0.00E+00	1.29E-06	9.04E-07	5.54E-07	0.00E+00	1.46E-06	1.66E-07	9.43E-08	0.00E+00	2.60E-07	9.27E-08	8.14E-08	0.00E+00	1.74E-07
2368	481857.97	3767969.96	9.2876E-07	3.8682E-07	0.00E+00	1.32E-06	9.19E-07	5.63E-07	0.00E+00	1.48E-06	1.69E-07	9.59E-08	0.00E+00	2.65E-07	9.42E-08	8.27E-08	0.00E+00	1.77E-07
2369	481866.64	3767973.6	9.4325E-07	3.9286E-07	0.00E+00	1.34E-06	9.33E-07	5.72E-07	0.00E+00	1.51E-06	1.71E-07	9.74E-08	0.00E+00	2.69E-07	9.57E-08	8.40E-08	0.00E+00	1.80E-07
2370	481875.31	3767977.24	9.5825E-07	3.9911E-07	0.00E+00	1.36E-06	9.48E-07	5.81E-07	0.00E+00	1.53E-06	1.74E-07	9.89E-08	0.00E+00	2.73E-07	9.72E-08	8.54E-08	0.00E+00	1.83E-07
2371	481883.98	3767980.88	9.734E-07	4.0542E-07	0.00E+00	1.38E-06	9.63E-07	5.90E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.87E-08	8.67E-08	0.00E+00	1.85E-07
2372	481896.19	3767993.23	1.0221E-06	4.257E-07	0.00E+00	1.45E-06	1.01E-06	6.19E-07	0.00E+00	1.63E-06	1.86E-07	1.05E-07	0.00E+00	2.91E-07	1.04E-07	9.11E-08	0.00E+00	1.95E-07
2373	481899.73	3768001.94	1.0571E-06	4.4028E-07	0.00E+00	1.50E-06	1.05E-06	6.41E-07	0.00E+00	1.69E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.42E-08	0.00E+00	2.01E-07
2374	481903.27	3768010.65	1.0924E-06	4.5497E-07	0.00E+00	1.55E-06	1.08E-06	6.62E-07	0.00E+00	1.74E-06	1.98E-07	1.13E-07	0.00E+00	3.11E-07	1.11E-07	9.73E-08	0.00E+00	2.08E-07
2375	481906.81	3768019.36	1.1285E-06	4.7002E-07	0.00E+00	1.60E-06	1.12E-06	6.84E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.22E-07	1.14E-07	1.01E-07	0.00E+00	2.15E-07
2376	481910.36	3768028.07	1.1655E-06	4.8544E-07	0.00E+00	1.65E-06	1.15E-06	7.06E-07	0.00E+00	1.86E-06	2.12E-07	1.20E-07	0.00E+00	3.32E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
2377	481913.9	3768036.78	1.2035E-06	5.0124E-07	0.00E+00	1.70E-06	1.19E-06	7.29E-07	0.00E+00	1.92E-06	2.19E-07	1.24E-07	0.00E+00	3.43E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
2378	481917.44	3768045.49	1.2423E-06	5.1742E-07	0.00E+00	1.76E-06	1.23E-06	7.53E-07	0.00E+00	1.98E-06	2.26E-07	1.28E-07	0.00E+00	3.54E-07	1.26E-07	1.11E-07	0.00E+00	2.37E-07
2379	481920.98	3768054.21	1.2834E-06	5.3452E-07	0.00E+00	1.82E-06	1.27E-06	7.78E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.66E-07	1.30E-07	1.14E-07	0.00E+00	2.45E-07
2380	481924.52	3768062.92	0.000001326	5.5228E-07	0.00E+00	1.88E-06	1.31E-06	8.04E-07	0.00E+00	2.12E-06	2.41E-07	1.37E-07	0.00E+00	3.78E-07	1.35E-07	1.18E-07	0.00E+00	2.53E-07
2381	481928.06	3768071.63	1.3702E-06	5.707E-07	0.00E+00	1.94E-06	1.36E-06	8.30E-07	0.00E+00	2.19E-06	2.49E-07	1.41E-07	0.00E+00	3.90E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
2382	481931.6	3768080.34	1.4144E-06	5.8909E-07	0.00E+00	2.00E-06	1.40E-06	8.57E-07	0.00E+00	2.26E-06	2.57E-07	1.46E-07	0.00E+00	4.03E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
2383	481952.85	3768132.6	1.6913E-06	7.044E-07	0.00E+00	2.40E-06	1.67E-06	1.02E-06	0.00E+00	2.70E-06	3.07E-07	1.75E-07	0.00E+00	4.82E-07	1.72E-07	1.51E-07	0.00E+00	3.22E-07
2384	481956.39	3768141.31	1.7405E-06	7.2491E-07	0.00E+00	2.47E-06	1.72E-06	1.05E-06	0.00E+00	2.78E-06	3.16E-07	1.80E-07	0.00E+00	4.96E-07	1.77E-07	1.55E-07	0.00E+00	3.32E-07
2385	481959.93	3768150.02	1.7888E-06	7.4504E-07	0.00E+00	2.53E-06	1.77E-06	1.08E-06	0.00E+00	2.85E-06	3.25E-07	1.85E-07	0.00E+00	5.10E-07	1.81E-07	1.59E-07	0.00E+00	3.41E-07
2386	481963.48	3768158.73	1.8372E-06	7.6518E-07	0.00E+00	2.60E-06	1.82E-06	1.11E-06	0.00E+00	2.93E-06	3.34E-07	1.90E-07	0.00E+00	5.23E-07	1.86E-07	1.64E-07	0.00E+00	3.50E-07
2387	481967.02	3768167.44	1.8863E-06	7.8564E-07	0.00E+00	2.67E-06	1.87E-06	1.14E-06	0.00E+00	3.01E-06	3.43E-07	1.95E-07	0.00E+00	5.37E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
2388	481970.56	3768176.15	1.9362E-06	8.064E-07	0.00E+00	2.74E-06	1.92E-06	1.17E-06	0.00E+00	3.09E-06	3.52E-07	2.00E-07	0.00E+00	5.52E-07	1.96E-07	1.72E-07	0.00E+00	3.69E-07
2389	481974.1	3768184.86	1.9849E-06	8.267E-07	0.00E+00	2.81E-06	1.96E-06	1.20E-06	0.00E+00	3.17E-06	3.61E-07	2.05E-07	0.00E+00	5.66E-07	2.01E-07	1.77E-07	0.00E+00	3.78E-07
2390	481977.64	3768193.57	2.0322E-06	8.464E-07	0.00E+00	2.88E-06	2.01E-06	1.23E-06	0.00E+00	3.24E-06	3.69E-07	2.10E-07	0.00E+00	5.79E-07	2.06E-07	1.81E-07	0.00E+00	3.87E-07
2391	481981.18	3768202.29	2.0776E-06	8.6533E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.31E-06	3.77E-07	2.14E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
2392	481984.72	3768211	2.1215E-06	8.8359E-07	0.00E+00	3.01E-06	2.10E-06	1.29E-06	0.00E+00	3.39E-06	3.85E-07	2.19E-07	0.00E+00	6.04E-07	2.15E-07	1.89E-07	0.00E+00	4.04E-07
2393	481988.27	3768219.71	2.1639E-06	9.0124E-07	0.00E+00	3.07E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.17E-07	2.20E-07	1.93E-07	0.00E+00	4.12E-07
2394	481991.81	3768228.42	2.2053E-06	9.1848E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07
2395	481995.35	3768237.13	2.2457E-06	9.3532E-07	0.00E+00	3.18E-06	2.22E-06	1.36E-06	0.00E+00	3.58E-06	4.08E-07	2.32E-07	0.00E+00	6.40E-07	2.28E-07	2.00E-07	0.00E+00	4.28E-07
2396	481998.89	3768245.84	0.000002283	9.5085E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07
2397	482002.43	3768254.55	2.3169E-06	9.6499E-07	0.00E+00	3.28E-06	2.29E-06	1.40E-06	0.00E+00	3.70E-06	4.21E-07	2.39E-07	0.00E+00	6.60E-07	2.35E-07	2.06E-07	0.00E+00	4.41E-07
2398	482005.97	3768263.26	2.3475E-06	9.7772E-07	0.00E+00	3.33E-06	2.32E-06	1.42E-06	0.00E+00	3.75E-06	4.27E-07	2.42E-07	0.00E+00	6.69E-07	2.38E-07	2.09E-07	0.00E+00	4.47E-07
2399	482009.51	3768271.97	2.3748E-06	9.8907E-07	0.00E+00	3.36E-06	2.35E-06	1.44E-06	0.00E+00	3.79E-06	4.31E-07	2.45E-07	0.00E+00	6.77E-07	2.41E-07	2.12E-07	0.00E+00	4.52E-07
2400	482013.06	3768280.68	2.3983E-06	9.9887E-07	0.00E+00	3.40E-06	2.37E-06	1.45E-06	0.00E+00	3.83E-06	4.36E-07	2.48E-07	0.00E+00	6.83E-07	2.43E-07	2.14E-07	0.00E+00	4.57E-07
2401	482016.6	3768289.39	2.4177E-06	0.000001007	0.00E+00	3.42E-06	2.39E-06	1.47E-06	0.00E+00	3.86E-06	4.39E-07	2.50E-07	0.00E+00	6.89E-07	2.45E-07	2.15E-07	0.00E+00	4.61E-07
2402	482020.14	3768298.1	2.4329E-06	1.0133E-06	0.00E+00	3.45E-06	2.41E-06	1.47E-06	0.00E+00	3.88E-06	4.42E-07	2.51E-07	0.00E+00	6.93E-07	2.47E-07	2.17E-07	0.00E+00	4.64E-07
2403	482023.68	3768306.81	2.4438E-06	1.0179E-06	0.00E+00	3.46E-06	2.42E-06	1.48E-06	0.00E+00	3.90E-06	4.44E-07	2.52E-07	0.00E+00	6.96E-07	2.48E-07	2.18E-07	0.00E+00	4.66E-07
2404	482027.22	3768315.52	2.4505E-06	1.0206E-06	0.00E+00	3.47E-06	2.42E-06	1.49E-06	0.00E+00	3.91E-06	4.45E-07	2.53E-07	0.00E+00	6.98E-07	2.49E-07	2.18E-07	0.00E+00	4.67E-07
2405	482030.76	3768324.23	2.4527E-06	1.0216E-06	0.00E+00	3.47E-06	2.43E-06	1.49E-06	0.00E+00	3.91E-06	4.46E-07	2.53E-07	0.00E+00	6.99E-07	2.49E-07	2.19E-07	0.00E+00	4.67E-07
2406	481528.54	3767831.58	3.9794E-07	1.6574E-07	0.00E+00	5.64E-07	3.94E-07	2.41E-07	0.00E+00	6.35E-07	7.23E-08	4.11E-08	0.00E+00	1.13E-07	4.04E-08	3.55E-08	0.00E+00	7.58E-08
2407	481519.03	3767831.55	3.9204E-07	1.6328E-07	0.00E+00	5.55E-07	3.88E-07	2.38E-07	0.00E+00	6.26E-07	7.12E-08	4.05E-08	0.00E+00	1.12E-07	3.98E-08	3.49E-08	0.00E+00	7.47E-08
2408	481509.52	3767831.51	3.8624E-07	1.6087E-07	0.00E+00	5.47E-07	3.82E-07	2.34E-07	0.00E+00	6.16E-07	7.02E-08	3.99E-08	0.00E+00	1.10E-07	3.92E-08	3.44E-08	0.00E+00	7.36E-08
2409	481500.01	3767831.47	3.8061E-07	1.5852E-07	0.00E+00	5.39E-07	3.77E-07	2.31E-07	0.00E+00	6.07E-07	6.92E-08	3.93E-08	0.00E+00	1.08E-07	3.86E-08	3.39E-08	0.00E+00	7.25E-08
2410	481490.5	3767831.43	3.7511E-07	1.5623E-07	0.00E+00	5.31E-07	3.71E-07	2.27E-07	0.00E+00	5.99E-07	6.82E-08	3.87E-08	0.00E+00	1.07E-07	3.81E-08	3.34E-08	0.00E+00	7.15E-08
2411	481480.99	3767831.39	3.6976E-07	0.000000154	0.00E+00	5.24E-07	3.66E-07	2.24E-07	0.00E+00	5.90E-07	6.72E-08	3.82E-08	0.00E+00	1.05E-07	3.75E-08	3.29E-08	0.00E+00	7.05E-08
2412	481471.49	3767831.35	3.6455E-07	1.5184E-07	0.00E+00	5.16E-07	3.61E-07	2.21E-07	0.00E+00	5.82E-07	6.62E-08	3.76E-08	0.00E+00	1.04E-07	3.70E-08	3.25E-08	0.00E+00	6.95E-08
2413	481461.98	3767831.31	3.5948E-07	1.4972E-07	0.00E+00	5.09E-07	3.56E-07	2.18E-07	0.00E+00	5.74E-07	6.53E-08	3.71E-08	0.00E+00	1.02E-07	3.65E-08	3.20E-08	0.00E+00	6.85E-08
2414	481452.47	3767831.27	3.5455E-07	1.4767E-07	0.00E+00	5.02E-07	3.51E-07	2.15E-07	0.00E+00	5.66E-07	6.44E-08	3.66E-08	0.00E+00	1.01E-07	3.60E-08	3.16E-08	0.00E+00	6.76E-08
2415	481442.96	3767831.23	3.4978E-07	1.4568E-07	0.00E+00	4.95E-07	3.46E-07	2.12E-07	0.00E+00	5.58E-07	6.36E-08	3.61E-08	0.00E+00	9.97E-08	3.55E-08	3.12E-08	0.00E+00	6.66E-08
2416	481433.45	3767831.19	3.4519E-07	1.4377E-07	0.00E+00	4.89E-07	3.42E-07	2.09E-07	0.00E+00	5.51E-07	6.27E-08	3.56E-08	0.00E+00	9.84E-08	3.50E-08	3.08E-08	0.00E+00	6.58E-08
2417	481423.94	3767831.15	3.4076E-07	1.4192E-07	0.00E+00	4.83E-07	3.37E-07	2.07E-07	0.00E+00	5.44E-07	6.19E-08	3.52E-08	0.00E+00	9.71E-08	3.46E-08	3.04E-08	0.00E+00	6.49E-08
2418	481414.43	3767831.11	3.365E-07	1.4015E-07	0.00E+00	4.77E-07	3.33E-07	2.04E-07	0.00E+00	5.37E-07	6.11E-08	3.47E-08	0.00E+00	9.59E-08	3.41E-08	3.00E-08	0.00E+00	6.41E-08
2419	481404.92	3767831.07	3.3241E-07	1.3845E-07	0.00E+00	4.71E-07	3.29E-07	2.01E-07	0.00E+00	5.30E-07	6.04E-08	3.43E-08	0.00E+00	9.47E-08	3.37E-08	2.96E-08	0.00E+00	6.33E-08
2420	481395.41	3767831.03	3.2849E-07	1.3681E-07	0.00E+00	4.65E-07	3.25E-07	1.99E-07	0.00E+00	5.24E-07	5.97E-08	3.39E-08	0.00E+00	9.36E-08	3.33E-08	2.93E-08	0.00E+00	6.26E-08
2421	481385.9	3767830.99	3.2472E-07	1.3525E-07	0.00E+00	4.60E-07	3.21E-07	1.97E-07	0.00E+00	5.18E-07	5.90E-08	3.35E-08	0.00E+00	9.25E-08	3.29E-08	2.89E-08	0.00E+00	6.19E-08
2422	481376.4	3767830.95	3.2112E-07	1.3374E-07	0.00E+00	4.55E-07	3.18E-07	1.95E-07	0.00E+00	5.12E-07	5.83E-08	3.31E-08	0.00E+00	9.15E-08	3.26E-08	2.86E-08	0.00E+00	6.12E-08
2423	481366.89	3767830.91	3.1767E-07	1.3231E-07	0.00E+00	4.50E-07	3.14E-07	1.93E-07	0.00E+00	5.07E-07	5.77E-08	3.28E-08	0.00E+00	9.05E-08	3.22E-08	2.83E-08	0.00E+00	6.05E-08
2424	481357.38	3767830.87	3.1438E-07	1.3094E-07	0.00E+00	4.45E-07	3.11E-07	1.91E-07	0.00E+00	5.02E-07	5.71E-08	3.25E-08	0.00E+00	8.96E-08	3.19E-08	2.80E-08	0.00E+00	5.99E-08
2425	481347.87	3767830.83	3.1128E-07	1.2965E-07	0.00E+00	4.41E-07	3.08E-07	1.89E-07	0.00E+00	4.97E-07	5.66E-08	3.21E-08	0.00E+00	8.87E-08	3.16E-08	2.77E-08	0.00E+00	5.93E-08
2426	481338.36	3767830.79	3.0833E-07	1.2842E-07	0.00E+00	4.37E-07	3.05E-07	1.87E-07	0.00E+00	4.92E-07	5.60E-08	3.18E-08	0.00E+00	8.78E-08	3.13E-08	2.75E-08	0.00E+00	5.87E-08
2427	481563.69	3767816.3	3.9937E-07	1.6634E-07	0.00E+00	5.66E-07	3.95E-07	2.42E-07	0.00E+00	6.37E-07	7.26E-08	4.12E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.61E-08
2428	481572.45	3767819.98	4.0981E-07	1.7068E-07	0.00E+00	5.80E-07	4.06E-07	2.48E-07	0.00E+00	6.54E-07	7.45E-08	4.23E-08	0.00E+00	1.17E-07	4.16E-08	3.65E-08	0.00E+00	7.81E-08
2429	481581.21	3767823.65	4.2059E-07	1.7517E-07	0.00E+00	5.96E-07	4.16E-07	2.55E-07	0.00E+00	6.71E-07	7.64E-08	4.34E-08	0.00E+00	1.20E-07	4.27E-08	3.75E-08	0.00E+00	8.01E-08

2458	481896.47	3767956.07	8.8675E-07	3.6933E-07	0.00E+00	1.26E-06	8.77E-07	5.37E-07	0.00E+00	1.41E-06	1.61E-07	9.15E-08	0.00E+00	2.53E-07	9.00E-08	7.90E-08	0.00E+00	1.69E-07
2459	481905.23	3767959.75	8.9954E-07	3.7465E-07	0.00E+00	1.27E-06	8.90E-07	5.45E-07	0.00E+00	1.44E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
2460	481917.56	3767972.23	9.4109E-07	3.9196E-07	0.00E+00	1.33E-06	9.31E-07	5.70E-07	0.00E+00	1.50E-06	1.71E-07	9.71E-08	0.00E+00	2.68E-07	9.55E-08	8.38E-08	0.00E+00	1.79E-07
2461	481921.14	3767981.03	9.7158E-07	4.0466E-07	0.00E+00	1.38E-06	9.61E-07	5.89E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.86E-08	8.66E-08	0.00E+00	1.85E-07
2462	481924.72	3767989.83	1.0028E-06	4.1766E-07	0.00E+00	1.42E-06	9.92E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.93E-08	0.00E+00	1.91E-07
2463	481928.29	3767998.63	1.0348E-06	4.3098E-07	0.00E+00	1.47E-06	1.02E-06	6.27E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.95E-07	1.05E-07	9.22E-08	0.00E+00	1.97E-07
2464	481931.87	3768007.43	1.0679E-06	4.4479E-07	0.00E+00	1.51E-06	1.06E-06	6.47E-07	0.00E+00	1.70E-06	1.94E-07	1.10E-07	0.00E+00	3.04E-07	1.08E-07	9.51E-08	0.00E+00	2.03E-07
2465	481953.33	3768060.22	1.2862E-06	5.357E-07	0.00E+00	1.82E-06	1.27E-06	7.79E-07	0.00E+00	2.05E-06	2.34E-07	1.33E-07	0.00E+00	3.66E-07	1.30E-07	1.15E-07	0.00E+00	2.45E-07
2466	481956.91	3768069.02	1.3251E-06	5.5191E-07	0.00E+00	1.88E-06	1.31E-06	8.03E-07	0.00E+00	2.11E-06	2.41E-07	1.37E-07	0.00E+00	3.78E-07	1.34E-07	1.18E-07	0.00E+00	2.52E-07
2467	481960.49	3768077.82	1.3643E-06	5.6824E-07	0.00E+00	1.93E-06	1.35E-06	8.27E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.89E-07	1.38E-07	1.22E-07	0.00E+00	2.60E-07
2468	481964.07	3768086.62	1.4049E-06	5.8513E-07	0.00E+00	1.99E-06	1.39E-06	8.51E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	4.00E-07	1.43E-07	1.25E-07	0.00E+00	2.68E-07
2469	481967.64	3768095.41	1.4461E-06	6.0229E-07	0.00E+00	2.05E-06	1.43E-06	8.76E-07	0.00E+00	2.31E-06	2.63E-07	1.49E-07	0.00E+00	4.12E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
2470	481971.22	3768104.21	0.000001488	6.1974E-07	0.00E+00	2.11E-06	1.47E-06	9.02E-07	0.00E+00	2.37E-06	2.70E-07	1.54E-07	0.00E+00	4.24E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
2471	481974.8	3768113.01	1.5314E-06	6.3784E-07	0.00E+00	2.17E-06	1.52E-06	9.28E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.92E-07
2472	481978.38	3768121.81	1.5752E-06	6.5607E-07	0.00E+00	2.23E-06	1.56E-06	9.55E-07	0.00E+00	2.51E-06	2.86E-07	1.63E-07	0.00E+00	4.49E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
2473	481981.95	3768130.61	1.6188E-06	6.7423E-07	0.00E+00	2.29E-06	1.60E-06	9.81E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
2474	481985.53	3768139.41	1.6627E-06	6.925E-07	0.00E+00	2.36E-06	1.65E-06	1.01E-06	0.00E+00	2.65E-06	3.02E-07	1.72E-07	0.00E+00	4.74E-07	1.69E-07	1.48E-07	0.00E+00	3.17E-07
2475	481989.11	3768148.21	0.000001708	7.1138E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.10E-07	1.76E-07	0.00E+00	4.87E-07	1.73E-07	1.52E-07	0.00E+00	3.25E-07
2476	481992.68	3768157.01	1.7537E-06	7.3041E-07	0.00E+00	2.48E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
2477	481996.26	3768165.81	1.7985E-06	7.4908E-07	0.00E+00	2.55E-06	1.78E-06	1.09E-06	0.00E+00	2.87E-06	3.27E-07	1.86E-07	0.00E+00	5.12E-07	1.82E-07	1.60E-07	0.00E+00	3.43E-07
2478	481999.84	3768174.61	1.8416E-06	7.6701E-07	0.00E+00	2.61E-06	1.82E-06	1.12E-06	0.00E+00	2.94E-06	3.35E-07	1.90E-07	0.00E+00	5.25E-07	1.87E-07	1.64E-07	0.00E+00	3.51E-07
2479	482003.42	3768183.4	1.8845E-06	7.8488E-07	0.00E+00	2.67E-06	1.86E-06	1.14E-06	0.00E+00	3.01E-06	3.42E-07	1.95E-07	0.00E+00	5.37E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
2480	482006.99	3768192.2	0.000001927	8.0261E-07	0.00E+00	2.73E-06	1.91E-06	1.17E-06	0.00E+00	3.07E-06	3.50E-07	1.99E-07	0.00E+00	5.49E-07	1.95E-07	1.72E-07	0.00E+00	3.67E-07
2481	482010.57	3768201	1.9682E-06	8.1975E-07	0.00E+00	2.79E-06	1.95E-06	1.19E-06	0.00E+00	3.14E-06	3.58E-07	2.03E-07	0.00E+00	5.61E-07	2.00E-07	1.75E-07	0.00E+00	3.75E-07
2482	482014.15	3768209.8	2.0075E-06	8.3611E-07	0.00E+00	2.84E-06	1.99E-06	1.22E-06	0.00E+00	3.20E-06	3.65E-07	2.07E-07	0.00E+00	5.72E-07	2.04E-07	1.79E-07	0.00E+00	3.82E-07
2483	482017.73	3768218.6	2.0452E-06	8.5181E-07	0.00E+00	2.90E-06	2.02E-06	1.24E-06	0.00E+00	3.26E-06	3.72E-07	2.11E-07	0.00E+00	5.83E-07	2.07E-07	1.82E-07	0.00E+00	3.90E-07
2484	482021.3	3768227.4	2.0808E-06	8.6666E-07	0.00E+00	2.95E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.93E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
2485	482024.88	3768236.2	2.1142E-06	8.8057E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.03E-07
2486	482028.46	3768245	2.1456E-06	8.9363E-07	0.00E+00	3.04E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.90E-07	2.21E-07	0.00E+00	6.11E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07
2487	482032.03	3768253.8	2.1746E-06	9.0573E-07	0.00E+00	3.08E-06	2.15E-06	1.32E-06	0.00E+00	3.47E-06	3.95E-07	2.24E-07	0.00E+00	6.20E-07	2.21E-07	1.94E-07	0.00E+00	4.14E-07
2488	482035.61	3768262.6	2.2008E-06	9.1661E-07	0.00E+00	3.12E-06	2.18E-06	1.33E-06	0.00E+00	3.51E-06	4.00E-07	2.27E-07	0.00E+00	6.27E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
2489	482039.19	3768271.39	2.2235E-06	9.2606E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.30E-07	0.00E+00	6.34E-07	2.26E-07	1.98E-07	0.00E+00	4.24E-07
2490	482042.77	3768280.19	2.2426E-06	9.3403E-07	0.00E+00	3.18E-06	2.22E-06	1.36E-06	0.00E+00	3.58E-06	4.07E-07	2.31E-07	0.00E+00	6.39E-07	2.27E-07	2.00E-07	0.00E+00	4.27E-07
2491	482046.34	3768288.99	2.2581E-06	9.4051E-07	0.00E+00	3.20E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.43E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
2492	482049.92	3768297.79	2.2699E-06	9.454E-07	0.00E+00	3.22E-06	2.25E-06	1.38E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.47E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
2493	482053.5	3768306.59	2.2779E-06	9.4874E-07	0.00E+00	3.23E-06	2.25E-06	1.38E-06	0.00E+00	3.63E-06	4.14E-07	2.35E-07	0.00E+00	6.49E-07	2.31E-07	2.03E-07	0.00E+00	4.34E-07
2494	482057.08	3768315.39	0.000002282	9.5046E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.31E-07	2.03E-07	0.00E+00	4.35E-07
2495	482060.65	3768324.19	2.2822E-06	9.5052E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07
2496	481433.57	3767801.19	3.1604E-07	1.3163E-07	0.00E+00	4.48E-07	3.13E-07	1.92E-07	0.00E+00	5.04E-07	5.74E-08	3.26E-08	0.00E+00	9.00E-08	3.21E-08	2.82E-08	0.00E+00	6.02E-08
2497	481424.06	3767801.15	3.122E-07	1.3003E-07	0.00E+00	4.42E-07	3.09E-07	1.89E-07	0.00E+00	4.98E-07	5.67E-08	3.22E-08	0.00E+00	8.90E-08	3.17E-08	2.78E-08	0.00E+00	5.95E-08
2498	481414.56	3767801.11	3.085E-07	1.2849E-07	0.00E+00	4.37E-07	3.05E-07	1.87E-07	0.00E+00	4.92E-07	5.61E-08	3.18E-08	0.00E+00	8.79E-08	3.13E-08	2.75E-08	0.00E+00	5.88E-08
2499	481405.05	3767801.07	3.0494E-07	1.2701E-07	0.00E+00	4.32E-07	3.02E-07	1.85E-07	0.00E+00	4.87E-07	5.54E-08	3.15E-08	0.00E+00	8.69E-08	3.09E-08	2.72E-08	0.00E+00	5.81E-08
2500	481395.54	3767801.03	3.0152E-07	1.2558E-07	0.00E+00	4.27E-07	2.98E-07	1.83E-07	0.00E+00	4.81E-07	5.48E-08	3.11E-08	0.00E+00	8.59E-08	3.06E-08	2.69E-08	0.00E+00	5.74E-08
2501	481386.03	3767800.99	2.9824E-07	1.2422E-07	0.00E+00	4.22E-07	2.95E-07	1.81E-07	0.00E+00	4.76E-07	5.42E-08	3.08E-08	0.00E+00	8.50E-08	3.03E-08	2.66E-08	0.00E+00	5.68E-08
2502	481376.52	3767800.95	2.9511E-07	1.2291E-07	0.00E+00	4.18E-07	2.92E-07	1.79E-07	0.00E+00	4.71E-07	5.36E-08	3.05E-08	0.00E+00	8.41E-08	2.99E-08	2.63E-08	0.00E+00	5.62E-08
2503	481367.01	3767800.91	2.921E-07	1.2166E-07	0.00E+00	4.14E-07	2.89E-07	1.77E-07	0.00E+00	4.66E-07	5.31E-08	3.02E-08	0.00E+00	8.32E-08	2.96E-08	2.60E-08	0.00E+00	5.57E-08
2504	481357.5	3767800.87	2.8923E-07	1.2046E-07	0.00E+00	4.10E-07	2.86E-07	1.75E-07	0.00E+00	4.61E-07	5.26E-08	2.99E-08	0.00E+00	8.24E-08	2.93E-08	2.58E-08	0.00E+00	5.51E-08
2505	481347.99	3767800.83	2.8648E-07	1.1932E-07	0.00E+00	4.06E-07	2.83E-07	1.74E-07	0.00E+00	4.57E-07	5.21E-08	2.96E-08	0.00E+00	8.16E-08	2.91E-08	2.55E-08	0.00E+00	5.46E-08
2506	481338.48	3767800.8	2.8387E-07	1.1823E-07	0.00E+00	4.02E-07	2.81E-07	1.72E-07	0.00E+00	4.53E-07	5.16E-08	2.93E-08	0.00E+00	8.09E-08	2.88E-08	2.53E-08	0.00E+00	5.41E-08
2507	481563.39	3767786.12	3.6221E-07	1.5086E-07	0.00E+00	5.13E-07	3.58E-07	2.20E-07	0.00E+00	5.78E-07	6.58E-08	3.74E-08	0.00E+00	1.03E-07	3.67E-08	3.23E-08	0.00E+00	6.90E-08
2508	481572.04	3767789.75	3.7101E-07	1.5452E-07	0.00E+00	5.26E-07	3.67E-07	2.25E-07	0.00E+00	5.92E-07	6.74E-08	3.83E-08	0.00E+00	1.06E-07	3.76E-08	3.31E-08	0.00E+00	7.07E-08
2509	481580.69	3767793.38	3.8016E-07	1.5833E-07	0.00E+00	5.38E-07	3.76E-07	2.30E-07	0.00E+00	6.07E-07	6.91E-08	3.92E-08	0.00E+00	1.08E-07	3.86E-08	3.39E-08	0.00E+00	7.24E-08
2510	481589.34	3767797.02	3.8961E-07	1.6227E-07	0.00E+00	5.52E-07	3.86E-07	2.36E-07	0.00E+00	6.22E-07	7.08E-08	4.02E-08	0.00E+00	1.11E-07	3.95E-08	3.47E-08	0.00E+00	7.42E-08
2511	481597.99	3767800.65	3.9935E-07	1.6633E-07	0.00E+00	5.66E-07	3.95E-07	2.42E-07	0.00E+00	6.37E-07	7.26E-08	4.12E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.61E-08
2512	481606.63	3767804.28	4.0927E-07	1.7046E-07	0.00E+00	5.80E-07	4.05E-07	2.48E-07	0.00E+00	6.53E-07	7.44E-08	4.22E-08	0.00E+00	1.17E-07	4.15E-08	3.65E-08	0.00E+00	7.80E-08
2513	481615.28	3767807.92	4.1945E-07	1.747E-07	0.00E+00	5.94E-07	4.15E-07	2.54E-07	0.00E+00	6.69E-07	7.62E-08	4.33E-08	0.00E+00	1.20E-07	4.25E-08	3.74E-08	0.00E+00	7.99E-08
2514	481623.93	3767811.55	4.2986E-07	1.7903E-07	0.00E+00	6.09E-07	4.25E-07	2.61E-07	0.00E+00	6.86E-07	7.81E-08	4.44E-08	0.00E+00	1.22E-07	4.36E-08	3.83E-08	0.00E+00	8.19E-08
2515	481632.58	3767815.18	4.4052E-07	1.8348E-07	0.00E+00	6.24E-07	4.36E-07	2.67E-07	0.00E+00	7.03E-07	8.00E-08	4.55E-08	0.00E+00	1.26E-07	4.47E-08	3.92E-08	0.00E+00	8.39E-08
2516	481641.23	3767818.82	4.5149E-07	1.8804E-07	0.00E+00	6.40E-07	4.47E-07	2.74E-07	0.00E+00	7.20E-07	8.20E-08	4.66E-08	0.00E+00	1.29E-07	4.58E-08	4.02E-08	0.00E+00	8.60E-08
2517	481649.88	3767822.45	4.627E-07	1.9271E-07	0.00E+00	6.55E-07	4.58E-07	2.80E-07	0.00E+00	7.38E-07	8.41E-08	4.78E-08	0.00E+00	1.32E-07	4.69E-08	4.12E-08	0.00E+00	8.82E-08
2518	481658.53	3767826.08	4.7418E-07	1.975E-07	0.00E+00	6.72E-07	4.69E-07	2.87E-07	0.00E+00	7.57E-07	8.62E-08	4.89E-08	0.00E+00	1.35E-07	4.81E-08	4.22E-08	0.00E+00	9.03E-08
2519	481693.13	3767840.61	5.0234E-07	2.0922E-07	0.00E+00	7.12E-07	4.97E-07	3.04E-07	0.00E+00	8.02E-07	9.13E-08	5.19E-08	0.00E+00	1.43E-07	5.10E-08	4.48E-08	0.00E+00	9.57E-08
2520	481701.78	3767844.25	5.1466E-07	2.1436E-07	0.00E+00	7.29E-07	5.09E-07	3.12E-07	0.00E+00	8.21E-07	9.35E-08	5.31E-08	0.00E+00	1.47E-07	5.22E-08	4.59E-08	0.00E+00	9.81E-08
2521	481710.43	3767847.88	5.272E-07	2.1957E-07	0.00E+00	7.47E-07	5.22E-07	3.19E-07	0.00E+00	8.41E-07	9.58E-08	5.44E-08	0.00E+00	1.50E-07	5.35E-08	4.70E-08	0.00E+00	1.00E-07
2522	481719.08	3767851.51	5.3994E-07	2.2488E-07	0.00E+00	7.65E-07	5.34E-07	3.27E-07	0.00E+00	8.62E-07	9.81E-08	5.57E-08	0.00E+00	1.54E-07	5.48E-08	4.81E-08	0.00E+00	1.03E-07
2523	481727.73	3767855.15	5.516E-07	2.2974E-07	0.00E+00	7.81E-07	5.46E-07	3.34E-07	0.00E+00	8.80E-07	1.00E-07	5.69E-08	0.00E+00	1.57E-07	5.60E-08	4.91E-08	0.00E+00	1.05E-07
2524	481736.38	3767858.78	5.6327E-07	2.346E-07	0.00E+00	7.98E-07	5.57E-07	3.41E-07	0.00E+00	8.99E-07	1.02E-07	5.81E-08	0.00E+00	1.60E-07	5.71E-08	5.02E-08	0.00E+00	1.07E-07
2525	481745.03	3767862.41	5.7511E-07	2.3953E-07	0.00E+00	8.15E-07	5.69E-07	3.49E-07	0.00E+00	9.18E-07	1.04E-07	5.94E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.10E-07
2526	481753.68	3767866.04	5.8712E-07	2.4453E-07	0.00E+00	8.32E-07	5.81E-07	3.56E-07	0.00E+00	9.37E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.96E-08	5.23E-08	0.00E+00	1.12E-07
2527	481762.33	3767869.68	5.9901E-07	2.4948E-07	0.00E+00	8.48E-07	5.93E-07	3.63E-07	0.00E+00	9.56E-07	1.09E-07	6.18E-08	0.00E+00	1.71E-07	6.08E-08	5.34E-08	0.00E+00	1.14E-07
2528	481770.98	3767873.31	6.1129E-07	2.546E-07	0.00E+00	8.66E-07	6.05E-07	3.70E-07	0.00E+00	9.75E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.45E-08	0.00E+00	1.16E-07
2529	481779.63	3767876.94	6.2402E-07	2.599E-07	0.00E+00	8.84E-07	6.17E-07	3.78E-07	0.00E+00	9.96E-07	1.13E-07	6.44E-08	0.00E+00	1.78E-07	6.33E-08	5.56E-08	0.00E+00	1.19E-07
2530	481788.28	3767880.58	6.3594E-07	2.6487E-07	0.00E+00	9.01E-07	6.29E-07	3.85E-07	0.00E+00	1.01E-06	1.16E-07	6.56E-08	0.00E+00	1.81E-07	6.45E-08	5.67E-08	0.00E+00	1.21E-07
2531	481796.93	3767884.21	6.4761E-07	2.6973E-07	0.00E+00	9.17E-07	6.41E-07	3.92E-07	0.00E+00	1.03E-06	1.18E-07	6.68E-08	0.00E+00	1.85E-07	6.57E-08	5.77E-08	0.00E+00	1.23E-07
2532	481805.57	3767887.84	6.5911E-07	2.7451E-07	0.00E+00	9.34E-07	6.52E-07	3.99E-07	0.00E+00	1.05E-06	1.20E-07	6.80E-08	0.00E+00	1.88E-07	6.69E-08	5.87E-08	0.00E+00	1.26E-07
2533	481814.22	3767891.48	6.7097E-07	2.7946E-07	0.00E+00	9.50E-07	6.64E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.93E-08	0.00E+00	1.91E-07	6.81E-08	5.98E-08	0.00E+00	1.28E-07
2534	481822.87	3767895.11	6.8331E-07	2.846E-07	0.00E+00	9.68E-07	6.76E-07	4.14E-07	0.00E+00	1.09E-06	1.24E-07	7.05E-08	0.00E+00	1.95E-07	6.93E-08	6.09E-08	0.00E+00	1.30E-07
2535	481831.52	3767898.74	6.9598E-07	2.8987E-07	0.00E+00	9.86E-07	6.89E-07	4.22E-07	0.00E+00	1.11E-06	1.26E-07	7.18E-08	0.00E+00	1.98E-07	7.06E-08	6.20E-08	0.00E+00	1.33E-07
2536	481840.17	3767902.38	7.0882E-07	2.9522E-07	0.00E+00	1.00E-06	7.01E-07	4.30E-07	0.00E+00	1.13E-06	1.29E-07	7.32E-08	0.00E+00	2.02E-07	7.19E-08	6.32E-08	0.00E+00	1.35E-07
2537	481848.82	3767906.01	7.2156E-07	3.0053E-07	0.00E+00	1.02E-06	7.14E-07	4.37E-07	0.00E+00	1.15E-06	1.31E-07	7.45E-08	0.00E+00	2.06E-07	7.32E-08	6.43E-08	0.00E+00	1.37E-07
2538	481857.47	3767909.64	7.3428E-07	3.0582E-07	0.00E+00	1.04E-06	7.27E-07	4.45E-07	0.00E+00	1.17E-06	1.33E-07	7.58E-08	0.00E+00	2.09E-07	7.45E-08	6.54E-08	0.00E+00	1.40E-07
2539	481866.12	3767913.27	7.468E-07	3.1104E-07	0.00E+00	1.06E-06	7.39E-07	4.53E-07	0.00E+00	1.19E-06	1.36E-07	7.71E-08	0.00E+00	2.13E-07	7.58E-08	6.65E-08	0.00E+00	1.42E-07
2540	481874.77	3767916.91	7.5985E-07	3.1647E-07	0.00E+00	1.08E-06	7.52E-07	4.60E-07	0.00E+00	1.21E-06	1.38E-07	7.84E-08	0.00E+00	2.16E-07	7.71E-08	6.77E-08	0.00E+00	1.45E-07
2541	481883.42	3767920.54	7.7321E-07	3.2204E-07	0.00E+00	1.10E-06	7.65E-07	4.69E-07	0.00E+00	1.23E-06	1.40E-07	7.98E-08	0.00E+00	2.20E-07	7.84E-08	6.89E-08	0.00E+00	1.47E-07
2542	481892.07	3767924.17	7.8633E-07	3.275E-07	0.00E+00	1.11E-06	7.78E-07	4.77E-07	0.00E+00	1.25E-06	1.43E-07	8.12E-08	0.00E+00	2.24E-07	7.98E-08	7.01E-08	0.00E+00	1.50E-07
2543	481900.72	3767927.81	7.9912E-07	3.3283E-07	0.00E+00	1.13E-06	7.91E-07	4.84E-07	0.00E+00	1.28E-06	1.45E-07	8.25E-08	0.00E+00	2.28E-07	8.11E-08	7.12E-08	0.00E+00	1.52E-07
2544	481952.98	3767985.79	9.8275E-07	4.0931E-07	0.00E+00	1.39E-06	9.72E-07	5.96E-07	0.00E+00	1.57E-06	1.79E-07	1.01E-07	0.00E+00	2.80E-07	9.97E-08	8.76E-08	0.00E+00	1.87E-07
2545	481956.52	3767994.48	1.0126E-06	4.2173E-07	0.00E+00	1.43E-06	1.00E-06	6.14E-07	0.00E+00	1.62E-06	1.84E-07	1.05E-07	0.00E+00	2.89E-07	1.03E-07	9.02E-08	0.00E+00	1.93E-07
2546	481960.05	3768003.17	0.000001043	4.3442E-07	0.00E+00	1.48E-06	1.03E-06	6.32E-07	0.00E+00	1.66E-06	1.90E-07	1.08E-07	0.00E+00	2.97E-07	1.06E-07	9.29E-08	0.00E+00	1.99E-07
2547	481963.58	3768011.87	1.0736E-06	4.4713E-07	0.00E+00	1.52E-06	1.06E-06	6.51E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.06E-07	1.09E-07	9.56E-08	0.00E+00	2.05E-07
2548	481967.12	3768020.56	1.1048E-06	4.6015E-07	0.00E+00	1.56E-06	1.09E-06	6.70E-07	0.00E+00	1.76E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.84E-08	0.00E+00	2.11E-07
2549	481970.65	3768029.25	1.1373E-06	4.7369E-07	0.00E+00	1.61E-06	1.13E-06	6.89E-07	0.00E+00	1.81E-06	2.07E-07	1.17E-07	0.00E+00	3.24E-07	1.15E-07	1.01E-07	0.00E+00	2.17E-07
2550	481974.18	3768037.94	1.1709E-06	4.8769E-07	0.00E+00	1.66E-06	1.16E-06	7.10E-07	0.00E+00	1.87E-06	2.13E-07	1.21E-07	0.00E+00	3.34E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
2551	481977.72	3768046.63	1.2056E-06	5.0214E-07	0.00E+00	1.71E-06	1.19E-06	7.31E-07	0.00E+00	1.92E-06	2.19E-07	1.24E-07	0.00E+00	3.44E-07	1.22E-07	1.07E-07	0.00E+00	2.30E-07
2552	481981.25	3768055.32	1.2401E-06	5.1651E-07	0.00E+00	1.76E-06	1.23E-06	7.52E-07	0.00E+00	1.98E-06	2.25E-07	1.28E-07	0.00E+00	3.53E-07	1.26E-07	1.10E-07	0.00E+00	2.36E-07
2553

2581	482083.72	3768307.35	2.1293E-06	8.8683E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2582	482087.25	3768316.04	0.000002131	8.8753E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2583	482090.78	3768324.73	0.000002129	8.8673E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2584	482094.32	3768333.42	2.1236E-06	8.8445E-07	0.00E+00	3.01E-06	2.10E-06	1.29E-06	0.00E+00	3.39E-06	3.86E-07	2.19E-07	0.00E+00	6.05E-07	2.15E-07	1.89E-07	0.00E+00	4.05E-07
2585	481433.7	3767771.19	2.9066E-07	1.2106E-07	0.00E+00	4.12E-07	2.88E-07	1.76E-07	0.00E+00	4.64E-07	5.28E-08	3.00E-08	0.00E+00	8.28E-08	2.95E-08	2.59E-08	0.00E+00	5.54E-08
2586	481424.19	3767771.15	2.8734E-07	1.1968E-07	0.00E+00	4.07E-07	2.84E-07	1.74E-07	0.00E+00	4.58E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.91E-08	2.56E-08	0.00E+00	5.47E-08
2587	481414.68	3767771.11	2.8412E-07	1.1834E-07	0.00E+00	4.02E-07	2.81E-07	1.72E-07	0.00E+00	4.53E-07	5.16E-08	2.93E-08	0.00E+00	8.10E-08	2.88E-08	2.53E-08	0.00E+00	5.41E-08
2588	481405.17	3767771.07	2.8101E-07	1.1704E-07	0.00E+00	3.98E-07	2.78E-07	1.70E-07	0.00E+00	4.48E-07	5.11E-08	2.90E-08	0.00E+00	8.01E-08	2.85E-08	2.50E-08	0.00E+00	5.35E-08
2589	481395.66	3767771.03	2.7801E-07	1.1579E-07	0.00E+00	3.94E-07	2.75E-07	1.68E-07	0.00E+00	4.44E-07	5.05E-08	2.87E-08	0.00E+00	7.92E-08	2.82E-08	2.48E-08	0.00E+00	5.30E-08
2590	481386.15	3767770.99	2.7513E-07	1.1459E-07	0.00E+00	3.90E-07	2.72E-07	1.67E-07	0.00E+00	4.39E-07	5.00E-08	2.84E-08	0.00E+00	7.84E-08	2.79E-08	2.45E-08	0.00E+00	5.24E-08
2591	481376.64	3767770.95	2.7237E-07	1.1344E-07	0.00E+00	3.86E-07	2.70E-07	1.65E-07	0.00E+00	4.35E-07	4.95E-08	2.81E-08	0.00E+00	7.76E-08	2.76E-08	2.43E-08	0.00E+00	5.19E-08
2592	481367.14	3767770.91	2.6972E-07	1.1234E-07	0.00E+00	3.82E-07	2.67E-07	1.63E-07	0.00E+00	4.30E-07	4.90E-08	2.78E-08	0.00E+00	7.68E-08	2.74E-08	2.40E-08	0.00E+00	5.14E-08
2593	481357.63	3767770.87	2.672E-07	1.1129E-07	0.00E+00	3.78E-07	2.64E-07	1.62E-07	0.00E+00	4.26E-07	4.86E-08	2.76E-08	0.00E+00	7.61E-08	2.71E-08	2.38E-08	0.00E+00	5.09E-08
2594	481348.12	3767770.83	2.6477E-07	1.1028E-07	0.00E+00	3.75E-07	2.62E-07	1.60E-07	0.00E+00	4.22E-07	4.81E-08	2.73E-08	0.00E+00	7.54E-08	2.69E-08	2.36E-08	0.00E+00	5.04E-08
2595	481338.61	3767770.8	2.6247E-07	1.0932E-07	0.00E+00	3.72E-07	2.60E-07	1.59E-07	0.00E+00	4.19E-07	4.77E-08	2.71E-08	0.00E+00	7.48E-08	2.66E-08	2.34E-08	0.00E+00	5.00E-08
2596	481572.56	3767759.92	3.3881E-07	1.4111E-07	0.00E+00	4.80E-07	3.35E-07	2.05E-07	0.00E+00	5.41E-07	6.16E-08	3.50E-08	0.00E+00	9.65E-08	3.44E-08	3.02E-08	0.00E+00	6.46E-08
2597	481581.29	3767763.59	3.4677E-07	1.4443E-07	0.00E+00	4.91E-07	3.43E-07	2.10E-07	0.00E+00	5.53E-07	6.30E-08	3.58E-08	0.00E+00	9.88E-08	3.52E-08	3.09E-08	0.00E+00	6.61E-08
2598	481590.02	3767767.25	3.5498E-07	1.4785E-07	0.00E+00	5.03E-07	3.51E-07	2.15E-07	0.00E+00	5.66E-07	6.45E-08	3.66E-08	0.00E+00	1.01E-07	3.60E-08	3.16E-08	0.00E+00	6.76E-08
2599	481598.75	3767770.92	3.635E-07	1.5139E-07	0.00E+00	5.15E-07	3.60E-07	2.20E-07	0.00E+00	5.80E-07	6.60E-08	3.75E-08	0.00E+00	1.04E-07	3.69E-08	3.24E-08	0.00E+00	6.93E-08
2600	481607.48	3767774.58	3.7219E-07	1.5501E-07	0.00E+00	5.27E-07	3.68E-07	2.26E-07	0.00E+00	5.94E-07	6.76E-08	3.84E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.09E-08
2601	481616.21	3767778.25	3.8113E-07	1.5874E-07	0.00E+00	5.40E-07	3.77E-07	2.31E-07	0.00E+00	6.08E-07	6.93E-08	3.93E-08	0.00E+00	1.09E-07	3.87E-08	3.40E-08	0.00E+00	7.26E-08
2602	481624.94	3767781.92	3.9031E-07	1.6256E-07	0.00E+00	5.53E-07	3.86E-07	2.37E-07	0.00E+00	6.23E-07	7.09E-08	4.03E-08	0.00E+00	1.11E-07	3.96E-08	3.48E-08	0.00E+00	7.44E-08
2603	481633.67	3767785.58	3.9974E-07	1.6649E-07	0.00E+00	5.66E-07	3.96E-07	2.42E-07	0.00E+00	6.38E-07	7.26E-08	4.13E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.62E-08
2604	481642.4	3767789.25	4.0942E-07	1.7052E-07	0.00E+00	5.80E-07	4.05E-07	2.48E-07	0.00E+00	6.53E-07	7.44E-08	4.23E-08	0.00E+00	1.17E-07	4.15E-08	3.65E-08	0.00E+00	7.80E-08
2605	481651.12	3767792.92	4.1934E-07	1.7465E-07	0.00E+00	5.94E-07	4.15E-07	2.54E-07	0.00E+00	6.69E-07	7.62E-08	4.33E-08	0.00E+00	1.19E-07	4.25E-08	3.74E-08	0.00E+00	7.99E-08
2606	481659.85	3767796.58	4.2948E-07	1.7888E-07	0.00E+00	6.08E-07	4.25E-07	2.60E-07	0.00E+00	6.85E-07	7.80E-08	4.43E-08	0.00E+00	1.22E-07	4.36E-08	3.83E-08	0.00E+00	8.18E-08
2607	481668.58	3767800.25	4.3989E-07	1.8321E-07	0.00E+00	6.23E-07	4.35E-07	2.67E-07	0.00E+00	7.02E-07	7.99E-08	4.54E-08	0.00E+00	1.25E-07	4.46E-08	3.92E-08	0.00E+00	8.38E-08
2608	481677.31	3767803.92	4.505E-07	1.8763E-07	0.00E+00	6.38E-07	4.46E-07	2.73E-07	0.00E+00	7.19E-07	8.19E-08	4.65E-08	0.00E+00	1.28E-07	4.57E-08	4.01E-08	0.00E+00	8.58E-08
2609	481686.04	3767807.58	4.6124E-07	1.921E-07	0.00E+00	6.53E-07	4.56E-07	2.80E-07	0.00E+00	7.36E-07	8.38E-08	4.76E-08	0.00E+00	1.31E-07	4.68E-08	4.11E-08	0.00E+00	8.79E-08
2610	481720.96	3767822.25	4.8737E-07	2.0299E-07	0.00E+00	6.90E-07	4.82E-07	2.95E-07	0.00E+00	7.78E-07	8.86E-08	5.03E-08	0.00E+00	1.39E-07	4.94E-08	4.34E-08	0.00E+00	9.29E-08
2611	481729.69	3767825.92	4.9796E-07	2.074E-07	0.00E+00	7.05E-07	4.93E-07	3.02E-07	0.00E+00	7.95E-07	9.05E-08	5.14E-08	0.00E+00	1.42E-07	5.05E-08	4.44E-08	0.00E+00	9.49E-08
2612	481738.42	3767829.58	5.0835E-07	2.1173E-07	0.00E+00	7.20E-07	5.03E-07	3.08E-07	0.00E+00	8.11E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
2613	481747.15	3767833.25	5.1866E-07	2.1602E-07	0.00E+00	7.35E-07	5.13E-07	3.14E-07	0.00E+00	8.28E-07	9.42E-08	5.35E-08	0.00E+00	1.48E-07	5.26E-08	4.62E-08	0.00E+00	9.88E-08
2614	481755.88	3767836.92	5.2887E-07	2.2027E-07	0.00E+00	7.49E-07	5.23E-07	3.21E-07	0.00E+00	8.44E-07	9.61E-08	5.46E-08	0.00E+00	1.51E-07	5.36E-08	4.71E-08	0.00E+00	1.01E-07
2615	481764.61	3767840.58	5.3964E-07	2.2476E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.81E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
2616	481773.34	3767844.25	5.5057E-07	2.2931E-07	0.00E+00	7.80E-07	5.45E-07	3.34E-07	0.00E+00	8.78E-07	1.00E-07	5.68E-08	0.00E+00	1.57E-07	5.58E-08	4.91E-08	0.00E+00	1.05E-07
2617	481782.07	3767847.92	5.6178E-07	2.3398E-07	0.00E+00	7.96E-07	5.56E-07	3.40E-07	0.00E+00	8.96E-07	1.02E-07	5.80E-08	0.00E+00	1.60E-07	5.70E-08	5.01E-08	0.00E+00	1.07E-07
2618	481790.79	3767851.58	5.735E-07	2.3886E-07	0.00E+00	8.12E-07	5.68E-07	3.48E-07	0.00E+00	9.15E-07	1.04E-07	5.92E-08	0.00E+00	1.63E-07	5.82E-08	5.11E-08	0.00E+00	1.09E-07
2619	481799.52	3767855.25	0.000000585	2.4365E-07	0.00E+00	8.29E-07	5.79E-07	3.55E-07	0.00E+00	9.33E-07	1.06E-07	6.04E-08	0.00E+00	1.67E-07	5.93E-08	5.21E-08	0.00E+00	1.11E-07
2620	481808.25	3767858.92	5.963E-07	2.4836E-07	0.00E+00	8.45E-07	5.90E-07	3.61E-07	0.00E+00	9.51E-07	1.08E-07	6.16E-08	0.00E+00	1.70E-07	6.05E-08	5.31E-08	0.00E+00	1.14E-07
2621	481816.98	3767862.58	6.0727E-07	2.5292E-07	0.00E+00	8.60E-07	6.01E-07	3.68E-07	0.00E+00	9.69E-07	1.10E-07	6.27E-08	0.00E+00	1.73E-07	6.16E-08	5.41E-08	0.00E+00	1.16E-07
2622	481825.71	3767866.25	6.1834E-07	2.5754E-07	0.00E+00	8.76E-07	6.12E-07	3.75E-07	0.00E+00	9.87E-07	1.12E-07	6.38E-08	0.00E+00	1.76E-07	6.27E-08	5.51E-08	0.00E+00	1.18E-07
2623	481834.44	3767869.92	6.2943E-07	2.6216E-07	0.00E+00	8.92E-07	6.23E-07	3.81E-07	0.00E+00	1.00E-06	1.14E-07	6.50E-08	0.00E+00	1.79E-07	6.38E-08	5.61E-08	0.00E+00	1.20E-07
2624	481843.17	3767873.58	6.406E-07	2.6681E-07	0.00E+00	9.07E-07	6.34E-07	3.88E-07	0.00E+00	1.02E-06	1.16E-07	6.61E-08	0.00E+00	1.83E-07	6.50E-08	5.71E-08	0.00E+00	1.22E-07
2625	481851.9	3767877.25	6.5179E-07	2.7147E-07	0.00E+00	9.23E-07	6.45E-07	3.95E-07	0.00E+00	1.04E-06	1.18E-07	6.73E-08	0.00E+00	1.86E-07	6.61E-08	5.81E-08	0.00E+00	1.24E-07
2626	481860.63	3767880.92	6.6294E-07	2.7611E-07	0.00E+00	9.39E-07	6.56E-07	4.02E-07	0.00E+00	1.06E-06	1.20E-07	6.84E-08	0.00E+00	1.89E-07	6.72E-08	5.91E-08	0.00E+00	1.26E-07
2627	481869.36	3767884.58	6.7404E-07	2.8073E-07	0.00E+00	9.55E-07	6.67E-07	4.08E-07	0.00E+00	1.08E-06	1.22E-07	6.96E-08	0.00E+00	1.92E-07	6.84E-08	6.01E-08	0.00E+00	1.28E-07
2628	481878.09	3767888.25	6.8583E-07	2.8564E-07	0.00E+00	9.71E-07	6.79E-07	4.16E-07	0.00E+00	1.09E-06	1.25E-07	7.08E-08	0.00E+00	1.95E-07	6.96E-08	6.11E-08	0.00E+00	1.31E-07
2629	481886.82	3767891.92	6.9774E-07	2.9061E-07	0.00E+00	9.88E-07	6.90E-07	4.23E-07	0.00E+00	1.11E-06	1.27E-07	7.20E-08	0.00E+00	1.99E-07	7.08E-08	6.22E-08	0.00E+00	1.33E-07
2630	481895.55	3767895.58	7.0977E-07	2.9562E-07	0.00E+00	1.01E-06	7.02E-07	4.30E-07	0.00E+00	1.13E-06	1.29E-07	7.33E-08	0.00E+00	2.02E-07	7.20E-08	6.32E-08	0.00E+00	1.35E-07
2631	481904.28	3767899.25	7.2136E-07	3.0044E-07	0.00E+00	1.02E-06	7.14E-07	4.37E-07	0.00E+00	1.15E-06	1.31E-07	7.45E-08	0.00E+00	2.06E-07	7.32E-08	6.43E-08	0.00E+00	1.37E-07
2632	481913.01	3767902.92	7.3218E-07	3.0495E-07	0.00E+00	1.04E-06	7.25E-07	4.44E-07	0.00E+00	1.17E-06	1.33E-07	7.56E-08	0.00E+00	2.09E-07	7.43E-08	6.52E-08	0.00E+00	1.40E-07
2633	481921.74	3767906.58	7.4278E-07	3.0936E-07	0.00E+00	1.05E-06	7.35E-07	4.50E-07	0.00E+00	1.19E-06	1.35E-07	7.67E-08	0.00E+00	2.12E-07	7.53E-08	6.62E-08	0.00E+00	1.42E-07
2634	481930.46	3767910.25	7.5321E-07	3.1371E-07	0.00E+00	1.07E-06	7.45E-07	4.56E-07	0.00E+00	1.20E-06	1.37E-07	7.77E-08	0.00E+00	2.15E-07	7.64E-08	6.71E-08	0.00E+00	1.44E-07
2635	481939.19	3767913.92	7.6435E-07	3.1835E-07	0.00E+00	1.08E-06	7.56E-07	4.63E-07	0.00E+00	1.22E-06	1.39E-07	7.89E-08	0.00E+00	2.18E-07	7.75E-08	6.81E-08	0.00E+00	1.46E-07
2636	481947.92	3767917.58	7.7518E-07	3.2286E-07	0.00E+00	1.10E-06	7.67E-07	4.70E-07	0.00E+00	1.24E-06	1.41E-07	8.00E-08	0.00E+00	2.21E-07	7.86E-08	6.91E-08	0.00E+00	1.48E-07
2637	481960.22	3767930.02	8.0957E-07	3.3718E-07	0.00E+00	1.15E-06	8.01E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.36E-08	0.00E+00	2.31E-07	8.21E-08	7.21E-08	0.00E+00	1.54E-07
2638	481970.92	3767956.33	8.8308E-07	3.678E-07	0.00E+00	1.25E-06	8.74E-07	5.35E-07	0.00E+00	1.41E-06	1.60E-07	9.12E-08	0.00E+00	2.52E-07	8.96E-08	7.87E-08	0.00E+00	1.68E-07
2639	481974.48	3767965.1	9.0868E-07	3.7846E-07	0.00E+00	1.29E-06	8.99E-07	5.51E-07	0.00E+00	1.45E-06	1.65E-07	9.38E-08	0.00E+00	2.59E-07	9.22E-08	8.10E-08	0.00E+00	1.73E-07
2640	481978.05	3767973.87	9.3476E-07	3.8932E-07	0.00E+00	1.32E-06	9.25E-07	5.66E-07	0.00E+00	1.49E-06	1.70E-07	9.65E-08	0.00E+00	2.66E-07	9.48E-08	8.33E-08	0.00E+00	1.78E-07
2641	481981.61	3767982.65	9.6139E-07	4.0042E-07	0.00E+00	1.36E-06	9.51E-07	5.83E-07	0.00E+00	1.53E-06	1.75E-07	9.92E-08	0.00E+00	2.74E-07	9.75E-08	8.57E-08	0.00E+00	1.83E-07
2642	481985.18	3767991.42	9.8852E-07	4.1171E-07	0.00E+00	1.40E-06	9.78E-07	5.99E-07	0.00E+00	1.58E-06	1.80E-07	1.02E-07	0.00E+00	2.82E-07	1.00E-07	8.81E-08	0.00E+00	1.88E-07
2643	481988.75	3768000.19	1.0162E-06	4.2323E-07	0.00E+00	1.44E-06	1.01E-06	6.16E-07	0.00E+00	1.62E-06	1.85E-07	1.05E-07	0.00E+00	2.90E-07	1.03E-07	9.05E-08	0.00E+00	1.94E-07
2644	481992.31	3768008.96	1.0448E-06	4.3516E-07	0.00E+00	1.48E-06	1.03E-06	6.33E-07	0.00E+00	1.67E-06	1.90E-07	1.08E-07	0.00E+00	2.98E-07	1.06E-07	9.31E-08	0.00E+00	1.99E-07
2645	481995.88	3768017.73	1.0745E-06	4.4753E-07	0.00E+00	1.52E-06	1.06E-06	6.51E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.06E-07	1.09E-07	9.57E-08	0.00E+00	2.05E-07
2646	481999.44	3768026.5	1.1058E-06	4.6055E-07	0.00E+00	1.57E-06	1.09E-06	6.70E-07	0.00E+00	1.76E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.85E-08	0.00E+00	2.11E-07
2647	482003.01	3768035.27	1.1373E-06	4.7368E-07	0.00E+00	1.61E-06	1.13E-06	6.89E-07	0.00E+00	1.81E-06	2.07E-07	1.17E-07	0.00E+00	3.24E-07	1.15E-07	1.01E-07	0.00E+00	2.17E-07
2648	482006.58	3768044.04	1.1689E-06	4.8686E-07	0.00E+00	1.66E-06	1.16E-06	7.08E-07	0.00E+00	1.87E-06	2.12E-07	1.21E-07	0.00E+00	3.33E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
2649	482010.14	3768052.81	1.2003E-06	4.9991E-07	0.00E+00	1.70E-06	1.19E-06	7.27E-07	0.00E+00	1.92E-06	2.18E-07	1.24E-07	0.00E+00	3.42E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
2650	482013.71	3768061.58	1.2318E-06	5.1306E-07	0.00E+00	1.74E-06	1.22E-06	7.47E-07	0.00E+00	1.97E-06	2.24E-07	1.27E-07	0.00E+00	3.51E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
2651	482017.27	3768070.36	0.000001264	5.2643E-07	0.00E+00	1.79E-06	1.25E-06	7.66E-07	0.00E+00	2.02E-06	2.30E-07	1.30E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
2652	482020.84	3768079.13	1.2974E-06	5.4036E-07	0.00E+00	1.84E-06	1.28E-06	7.86E-07	0.00E+00	2.07E-06	2.36E-07	1.34E-07	0.00E+00	3.70E-07	1.32E-07	1.16E-07	0.00E+00	2.47E-07
2653	482024.41	3768087.9	1.3331E-06	5.5524E-07	0.00E+00	1.89E-06	1.32E-06	8.08E-07	0.00E+00	2.13E-06	2.42E-07	1.38E-07	0.00E+00	3.80E-07	1.35E-07	1.19E-07	0.00E+00	2.54E-07
2654	482027.97	3768096.67	1.3688E-06	5.701E-07	0.00E+00	1.94E-06	1.35E-06	8.30E-07	0.00E+00	2.18E-06	2.49E-07	1.41E-07	0.00E+00	3.90E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
2655	482031.54	3768105.44	1.4043E-06	5.8488E-07	0.00E+00	1.99E-06	1.39E-06	8.51E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	4.00E-07	1.42E-07	1.25E-07	0.00E+00	2.68E-07
2656	482035.1	3768114.21	1.4385E-06	5.9912E-07	0.00E+00	2.04E-06	1.42E-06	8.72E-07	0.00E+00	2.30E-06	2.61E-07	1.48E-07	0.00E+00	4.10E-07	1.46E-07	1.28E-07	0.00E+00	2.74E-07
2657	482038.67	3768122.98	1.4728E-06	6.1343E-07	0.00E+00	2.09E-06	1.46E-06	8.93E-07	0.00E+00	2.35E-06	2.68E-07	1.52E-07	0.00E+00	4.20E-07	1.49E-07	1.31E-07	0.00E+00	2.81E-07
2658	482042.24	3768131.75	1.5072E-06	6.2775E-07	0.00E+00	2.13E-06	1.49E-06	9.13E-07	0.00E+00	2.40E-06	2.74E-07	1.56E-07	0.00E+00	4.29E-07	1.53E-07	1.34E-07	0.00E+00	2.87E-07
2659	482045.8	3768140.52	1.5426E-06	6.4247E-07	0.00E+00	2.19E-06	1.53E-06	9.35E-07	0.00E+00	2.46E-06	2.80E-07	1.59E-07	0.00E+00	4.40E-07	1.56E-07	1.37E-07	0.00E+00	2.94E-07
2660	482049.37	3768149.29	1.5791E-06	6.5769E-07	0.00E+00	2.24E-06	1.56E-06	9.57E-07	0.00E+00	2.52E-06	2.87E-07	1.63E-07	0.00E+00	4.50E-07	1.60E-07	1.41E-07	0.00E+00	3.01E-07
2661	482052.93	3768158.06	1.6156E-06	6.7287E-07	0.00E+00	2.29E-06	1.60E-06	9.79E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.60E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
2662	482056.5	3768166.84	1.6509E-06	6.8761E-07	0.00E+00	2.34E-06	1.63E-06	1.00E-06	0.00E+00	2.63E-06	3.00E-07	1.70E-07	0.00E+00	4.70E-07	1.67E-07	1.47E-07	0.00E+00	3.15E-07
2663	482060.07	3768175.61	1.6839E-06	7.0135E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
2664	482063.63	3768184.38	1.7162E-06	7.148E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.89E-07	1.74E-07	1.53E-07	0.00E+00	3.27E-07
2665	482067.2	3768193.15	1.7476E-06	7.2786E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.80E-07	0.00E+00	4.98E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
2666	482070.76	3768201.92	1.7787E-06	7.4084E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.23E-07	1.84E-07	0.00E+00	5.07E-07	1.80E-07	1.58E-07	0.00E+00	3.39E-07
2667	482074.33	3768210.69	1.8092E-06	7.5353E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.89E-06	3.29E-07	1.87E-07	0.00E+00	5.15E-07	1.84E-07	1.61E-07	0.00E+00	3.45E-07
2668	482077.89	3768219.46	1.8384E-06	7.6569E-07	0.00E+00	2.60E-06	1.82E-06	1.11E-06	0.00E+00	2.93E-06	3.34E-07	1.90E-07	0.00E+00	5.24E-07	1.86E-07	1.64E-07	0.00E+00	3.50E-07
2669	482081.46	3768228.23	1.8654E-06	7.7694E-07	0.00E+00	2.64E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.39E-07	1.93E-07	0.00E+00	5.31E-07	1.89E-07	1.66E-07	0.00E+00	3.55E-07
2670	482085.03	3768237	1.8892E-06	7.8684E-07	0.00E+00	2.68E-06	1.87E-06	1.14E-06	0.00E+00	3.01E-06	3.43E-07	1.95E-07	0.00E+00	5.38E-07	1.92E-07	1.68E-07	0.00E+00	3.60E-07
2671	482088.59	3768245.77	1.9109E-06	7.959E-07	0.00E+00	2.71E-06	1.89E-06	1.16E-06	0.00E+00	3.05E-06	3.47E-07	1.97E-07	0.00E+00	5.44E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07
2672	482092.16	3768254.55	1.9304E-06	8.0402E-07	0.00E+00	2.73E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.50E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
2673	482095.72	3768263.32	1.9475E-06	8.1114E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
2674	482099.29	3768272.09	0.000001962	8.1717E-07	0.00E+00	2.78E-06	1.94E-06	1.19E-06	0.00E+00	3.13E-06	3.56E-07	2.03E-07	0.00E+00	5.59E-07	1.99E-07	1.75E-07	0.00E+00	3.74E-07
2675	482102.86	3768280.86	1.9738E-06	8.2208E-07	0.00E+00	2.80E-06	1.95E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.62E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07

			UnMitigated			T2			T2L3			T4		
			1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
176	481320	3768235	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
198	481291.6	3768236	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
199	481300.6	3768233	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
200	481309.7	3768229	2.92E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
201	481318.7	3768225	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
202	481327.7	3768222	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
223	481266.1	3768237	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
224	481274.9	3768233	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
225	481283.7	3768230	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
226	481292.6	3768226	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
227	481301.4	3768222	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
228	481310.3	3768219	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
229	481319.1	3768215	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
230	481328	3768212	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
250	481241.3	3768237	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
251	481250	3768234	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
252	481258.7	3768230	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
253	481267.4	3768227	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
254	481276	3768223	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
255	481284.7	3768219	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
256	481293.4	3768216	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
257	481302.1	3768212	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
258	481310.8	3768209	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
259	481319.5	3768205	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
260	481328.2	3768202	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
281	481234.3	3768230	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
282	481242.8	3768227	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
283	481251.4	3768223	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
284	481259.9	3768220	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
285	481268.5	3768216	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
286	481277	3768213	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
287	481285.6	3768209	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
288	481294.1	3768206	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
289	481302.7	3768202	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
290	481311.2	3768199	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
291	481319.8	3768195	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
292	481328.3	3768192	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
312	481215	3768236	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
313	481227.9	3768223	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
314	481237	3768219	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
315	481246.1	3768216	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
316	481255.1	3768212	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
317	481264.2	3768208	2.28E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
318	481273.3	3768204	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
319	481282.4	3768201	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
320	481291.5	3768197	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
321	481300.6	3768193	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
322	481309.7	3768190	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
323	481318.7	3768186	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
324	481327.8	3768182	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
344	481204.4	3768237	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
345	481208.1	3768229	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
346	481220.8	3768216	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
347	481229.8	3768212	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
348	481238.7	3768209	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
349	481247.6	3768205	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
350	481256.6	3768201	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
351	481265.5	3768198	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
352	481274.4	3768194	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
353	481283.4	3768191	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
354	481292.3	3768187	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
355	481301.2	3768183	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
356	481310.2	3768180	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
357	481319.1	3768176	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
358	481328	3768172	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
378	481193.8	3768239	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
379	481197.6	3768230	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
380	481201.3	3768221	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
381	481213.8	3768209	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
382	481222.6	3768206	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
383	481231.4	3768202	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
384	481240.2	3768198	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
385	481249	3768195	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
386	481257.8	3768191	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
387	481266.6	3768188	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
388	481275.4	3768184	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
389	481284.2	3768180	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
390	481293	3768177	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
391	481301.8	3768173	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
392	481310.6	3768170	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
393	481319.4	3768166	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
394	481328.2	3768162	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
415	481187.1	3768232	2.77E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
416	481190.8	3768223	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
417	481194.4	3768214	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
418	481206.8	3768202	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
419	481215.4	3768199	2.04E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
420	481224.1	3768195	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00

421	481232.8	3768192	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
422	481241.5	3768188	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
423	481250.2	3768184	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
424	481258.9	3768181	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
425	481267.6	3768177	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
426	481276.2	3768174	1.73E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
427	481284.9	3768170	1.70E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
428	481293.6	3768167	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
429	481302.3	3768163	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
430	481311	3768160	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
431	481319.7	3768156	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
432	481328.4	3768153	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
441	481175.8	3768235	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
442	481179.6	3768226	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
443	481183.5	3768217	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
444	481187.3	3768208	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
445	481200.3	3768195	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
446	481209.4	3768191	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
447	481218.5	3768188	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
448	481227.6	3768184	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
449	481236.8	3768180	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
450	481245.9	3768176	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
451	481255	3768173	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
452	481273.2	3768165	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
453	481282.4	3768161	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
454	481291.5	3768158	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
455	481300.6	3768154	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
456	481309.7	3768150	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
457	481318.8	3768147	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
458	481328	3768143	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
464	481165.3	3768236	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
465	481169.1	3768227	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
466	481172.9	3768218	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
467	481176.7	3768210	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
468	481180.5	3768201	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
469	481193.3	3768188	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
470	481202.2	3768184	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
471	481211.2	3768181	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
472	481220.2	3768177	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
473	481229.2	3768173	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
474	481238.2	3768170	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
475	481247.2	3768166	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
476	481256.2	3768162	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
477	481265.2	3768159	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
478	481274.2	3768155	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
479	481283.2	3768151	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
480	481292.2	3768148	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
481	481301.2	3768144	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
482	481310.1	3768140	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
483	481319.1	3768137	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
484	481328.1	3768133	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
500	481154.9	3768238	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
501	481158.6	3768229	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
502	481162.4	3768220	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
503	481166.1	3768211	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
504	481169.9	3768202	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
505	481173.6	3768193	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
506	481186.2	3768181	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
507	481195.1	3768177	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
508	481204	3768174	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
509	481212.9	3768170	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
510	481221.7	3768167	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
511	481230.6	3768163	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
512	481239.5	3768159	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
513	481248.4	3768156	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
514	481257.3	3768152	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
515	481266.1	3768148	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
516	481275	3768145	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
517	481283.9	3768141	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
518	481292.8	3768138	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
519	481301.7	3768134	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
520	481310.5	3768130	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
521	481319.4	3768127	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
522	481328.3	3768123	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
538	481144.5	3768239	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
539	481148.2	3768230	2.68E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
540	481151.9	3768221	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
541	481155.6	3768213	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
542	481159.3	3768204	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
543	481163	3768195	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
544	481166.7	3768186	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
545	481179.2	3768174	1.64E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
546	481188	3768170	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
547	481196.8	3768167	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
548	481205.6	3768163	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
549	481214.3	3768160	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
550	481223.1	3768156	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
551	481231.9	3768153	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
552	481240.7	3768149	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
553	481249.4	3768145	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
554	481258.2	3768142	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00

555	481267	3768138	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
556	481275.8	3768135	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
557	481284.5	3768131	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
558	481293.3	3768128	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
559	481302.1	3768124	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
560	481310.9	3768120	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
561	481319.7	3768117	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
562	481328.4	3768113	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
581	481144.3	3768216	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
582	481148.1	3768207	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
583	481152	3768198	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
584	481155.8	3768189	1.83E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
585	481159.7	3768180	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
586	481172.7	3768167	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
587	481181.8	3768163	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
588	481191	3768159	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
589	481200.1	3768156	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
590	481209.3	3768152	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
591	481218.4	3768148	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
592	481227.5	3768145	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
593	481236.7	3768141	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
594	481245.8	3768137	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
595	481255	3768133	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
596	481273.2	3768126	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
597	481282.4	3768122	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
598	481291.5	3768118	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
599	481300.7	3768115	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
600	481309.8	3768111	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
601	481319	3768107	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
602	481328.1	3768104	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
623	481145.2	3768191	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
624	481149	3768182	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
625	481152.8	3768173	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
626	481165.7	3768160	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
627	481174.7	3768156	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
628	481183.7	3768153	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
629	481192.8	3768149	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
630	481201.8	3768145	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
631	481210.8	3768142	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
632	481219.9	3768138	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
633	481228.9	3768134	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
634	481237.9	3768130	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
635	481247	3768127	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
636	481256	3768123	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
637	481265	3768119	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
638	481274.1	3768116	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
639	481283.1	3768112	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
640	481292.1	3768108	1.16E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
641	481301.2	3768105	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
642	481310.2	3768101	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
643	481319.2	3768097	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
644	481328.3	3768094	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
668	481146	3768166	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
669	481158.7	3768153	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
670	481167.6	3768149	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
671	481176.5	3768146	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
672	481185.5	3768142	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
673	481194.4	3768138	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
674	481203.3	3768135	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
675	481212.3	3768131	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
676	481221.2	3768127	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
677	481230.1	3768124	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
678	481239.1	3768120	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
679	481248	3768117	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
680	481256.9	3768113	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
681	481265.9	3768109	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
682	481274.8	3768106	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
683	481283.7	3768102	1.11E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
684	481292.7	3768098	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
685	481301.6	3768095	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
686	481310.5	3768091	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
687	481319.5	3768087	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
688	481328.4	3768084	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
715	481151.7	3768146	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
716	481160.5	3768142	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
717	481169.3	3768139	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
718	481178.2	3768135	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
719	481187	3768132	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
720	481195.9	3768128	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
721	481204.7	3768124	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
722	481213.6	3768121	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
723	481222.4	3768117	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
724	481231.3	3768114	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
725	481240.1	3768110	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
726	481248.9	3768106	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
727	481257.8	3768103	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
728	481266.6	3768099	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
729	481275.5	3768096	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
730	481284.3	3768092	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
731	481293.2	3768088	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
732	481302	3768085	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00

733	481310.8	3768081	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
734	481319.7	3768078	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
735	481328.5	3768074	1.00E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
762	481120.5	3768179	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
763	481124.3	3768170	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
764	481145.1	3768139	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
765	481154.2	3768135	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
766	481163.4	3768131	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
767	481172.5	3768128	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
768	481181.7	3768124	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
769	481190.9	3768120	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
770	481200	3768116	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
771	481209.2	3768113	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
772	481218.3	3768109	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
773	481227.5	3768105	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
774	481236.7	3768102	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
775	481245.8	3768098	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
776	481255	3768094	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
777	481264.1	3768090	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
778	481273.3	3768087	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
779	481282.5	3768083	9.98E-04	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
780	481291.6	3768079	9.88E-04	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
781	481300.8	3768075	9.78E-04	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00
782	481309.9	3768072	9.70E-04	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
783	481319.1	3768068	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
784	481328.3	3768064	9.55E-04	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00
812	481113.7	3768172	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
813	481117.5	3768163	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
814	481121.4	3768154	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
815	481125.2	3768145	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
816	481147.1	3768128	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
817	481156.2	3768125	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
818	481165.3	3768121	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
819	481174.3	3768117	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
820	481183.4	3768113	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
821	481192.4	3768110	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
822	481201.5	3768106	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
823	481210.6	3768102	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
824	481219.6	3768099	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
825	481228.7	3768095	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
826	481237.8	3768091	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
827	481246.8	3768088	9.96E-04	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
828	481255.9	3768084	9.83E-04	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00
829	481264.9	3768080	9.71E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
830	481274	3768076	9.60E-04	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00
831	481283.1	3768073	9.49E-04	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00
832	481292.1	3768069	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00
833	481301.2	3768065	9.31E-04	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
834	481310.3	3768062	9.23E-04	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00
835	481319.3	3768058	9.16E-04	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00
836	481328.4	3768054	9.10E-04	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00
864	481103.2	3768173	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
865	481107	3768164	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
866	481110.7	3768155	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
867	481114.5	3768146	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
868	481118.3	3768138	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
869	481149	3768118	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
870	481158	3768114	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
871	481167	3768110	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
872	481175.9	3768107	1.07E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
873	481184.9	3768103	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
874	481193.9	3768099	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
875	481202.9	3768096	1.02E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
876	481211.8	3768092	1.00E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
877	481220.8	3768088	9.85E-04	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00
878	481229.8	3768085	9.71E-04	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
879	481238.8	3768081	9.58E-04	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00
880	481247.7	3768077	9.45E-04	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00
881	481256.7	3768074	9.34E-04	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00
882	481265.7	3768070	9.23E-04	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00
883	481274.7	3768066	9.13E-04	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00
884	481283.6	3768063	9.04E-04	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00
885	481292.6	3768059	8.96E-04	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00
886	481301.6	3768055	8.88E-04	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00
887	481310.6	3768052	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00
888	481319.5	3768048	8.75E-04	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00
889	481328.5	3768044	8.69E-04	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00
917	481074.2	3768171	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
918	481078	3768162	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
919	481081.8	3768152	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
920	481085.7	3768143	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
921	481089.5	3768134	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
922	481093.4	3768125	1.16E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
923	481097.2	3768116	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
924	481110.1	3768104	1.03E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
925	481119.2	3768100	1.01E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
926	481146.5	3768089	9.58E-04	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00
927	481155.6	3768085	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00
928	481164.7	3768081	9.28E-04	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00
929	481173.8	3768078	9.14E-04	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00
930	481182.9	3768074	9.00E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00

931	481192	3768070	8.87E-04	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00
932	481201.1	3768066	8.74E-04	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00
933	481210.2	3768063	8.62E-04	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00
934	481219.3	3768059	8.51E-04	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00
935	481228.4	3768055	8.40E-04	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00
936	481237.5	3768052	8.30E-04	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00
937	481246.6	3768048	8.20E-04	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00
938	481255.7	3768044	8.11E-04	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00
939	481264.8	3768040	8.03E-04	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00
940	481273.9	3768037	7.95E-04	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00
941	481283	3768033	7.88E-04	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00
942	481292.1	3768029	7.81E-04	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00
943	481301.2	3768026	7.75E-04	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
944	481310.3	3768022	7.70E-04	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00
945	481319.4	3768018	7.65E-04	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00
946	481328.5	3768015	7.61E-04	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00
973	481042.5	3768174	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
974	481046.2	3768165	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
975	481050	3768157	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
976	481053.7	3768148	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
977	481057.5	3768139	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
978	481061.2	3768130	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
979	481065	3768121	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
980	481068.7	3768112	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
981	481072.5	3768104	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
982	481076.2	3768095	9.69E-04	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00
983	481088.9	3768082	9.12E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00
984	481097.7	3768079	8.98E-04	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00
985	481106.6	3768075	8.84E-04	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00
986	481115.5	3768071	8.71E-04	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00
987	481124.4	3768068	8.58E-04	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00
988	481151.1	3768057	8.20E-04	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00
989	481160	3768053	8.09E-04	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00
990	481168.9	3768050	7.98E-04	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00
991	481177.7	3768046	7.88E-04	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00
992	481186.6	3768042	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
993	481195.5	3768039	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
994	481204.4	3768035	7.57E-04	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00
995	481213.3	3768032	7.48E-04	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00
996	481222.2	3768028	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00
997	481231.1	3768024	7.32E-04	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00
998	481240	3768021	7.24E-04	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00
999	481248.9	3768017	7.17E-04	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00
1000	481257.7	3768013	7.10E-04	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00
1001	481266.6	3768010	7.04E-04	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1002	481275.5	3768006	6.98E-04	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00
1003	481284.4	3768003	6.93E-04	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00
1004	481293.3	3767999	6.88E-04	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00
1005	481302.2	3767995	6.84E-04	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00
1006	481311.1	3767992	6.80E-04	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00
1007	481320	3767988	6.76E-04	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00
1008	481328.9	3767984	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00
1034	481013.4	3768172	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
1035	481017.2	3768163	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
1036	481021	3768154	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
1037	481024.7	3768145	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
1038	481028.5	3768136	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
1039	481032.3	3768127	1.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
1040	481036.1	3768118	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
1041	481039.9	3768109	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
1042	481043.7	3768100	9.88E-04	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
1043	481047.5	3768091	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00
1044	481051.3	3768082	9.02E-04	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00
1045	481055.1	3768073	8.64E-04	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00
1046	481067.9	3768061	8.17E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00
1047	481076.9	3768057	8.05E-04	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00
1048	481085.9	3768054	7.94E-04	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00
1049	481094.9	3768050	7.82E-04	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00
1050	481103.9	3768046	7.71E-04	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00
1051	481112.9	3768043	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00
1052	481121.9	3768039	7.50E-04	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00
1053	481148.9	3768028	7.20E-04	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00
1054	481157.9	3768024	7.11E-04	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00
1055	481166.9	3768020	7.01E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00
1056	481175.9	3768017	6.92E-04	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00
1057	481184.9	3768013	6.84E-04	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00
1058	481193.9	3768009	6.76E-04	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00
1059	481202.9	3768006	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
1060	481211.9	3768002	6.61E-04	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00
1061	481220.9	3767998	6.54E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00
1062	481229.9	3767995	6.48E-04	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00
1063	481238.9	3767991	6.42E-04	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00
1064	481247.9	3767987	6.36E-04	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00
1065	481256.9	3767984	6.30E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00
1066	481265.9	3767980	6.25E-04	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
1067	481274.9	3767976	6.21E-04	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
1068	481283.9	3767973	6.17E-04	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00
1069	481292.9	3767969	6.13E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
1070	481301.9	3767965	6.09E-04	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00
1071	481310.9	3767962	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1072	481319.9	3767958	6.03E-04	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00

1073	481328.9	3767954	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
1098	480984.1	3768170	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
1099	480988	3768161	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1100	480991.8	3768152	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
1101	480995.6	3768143	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
1102	480999.5	3768134	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
1103	481003.3	3768125	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
1104	481007.2	3768115	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
1105	481011	3768106	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
1106	481014.8	3768097	9.64E-04	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00
1107	481018.7	3768088	9.21E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
1108	481022.5	3768079	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00
1109	481026.3	3768070	8.44E-04	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00
1110	481156.1	3767995	6.30E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00
1111	481165.2	3767991	6.23E-04	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
1112	481174.3	3767988	6.15E-04	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00
1113	481183.4	3767984	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
1114	481192.5	3767980	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00
1115	481201.6	3767976	5.95E-04	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00
1116	481210.7	3767973	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
1117	481219.8	3767969	5.84E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
1118	481228.8	3767965	5.78E-04	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00
1119	481237.9	3767962	5.73E-04	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
1120	481247	3767958	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
1121	481256.1	3767954	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
1122	481265.2	3767950	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
1123	481274.3	3767947	5.56E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00
1147	480951	3768177	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
1148	480954.8	3768168	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1149	480958.7	3768159	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
1150	480962.6	3768150	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
1151	480966.4	3768140	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
1152	480970.3	3768131	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
1153	480974.2	3768122	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
1154	480978.1	3768113	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
1155	480981.9	3768104	9.87E-04	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
1156	480985.8	3768095	9.42E-04	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00
1157	480989.7	3768086	9.00E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00
1158	480993.6	3768077	8.61E-04	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00
1159	481005.2	3768049	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00
1160	481009	3768040	7.31E-04	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00
1161	481012.9	3768031	7.04E-04	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1162	481026	3768018	6.71E-04	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00
1163	481035.1	3768014	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
1164	481044.3	3768011	6.54E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00
1165	481053.5	3768007	6.46E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
1166	481062.7	3768003	6.37E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
1167	481071.9	3767999	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
1168	481081.1	3767996	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
1169	481090.2	3767992	6.14E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00
1170	481099.4	3767988	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1171	481108.6	3767984	5.99E-04	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00
1172	481117.8	3767981	5.91E-04	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00
1173	481127	3767977	5.84E-04	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
1174	481283	3767913	5.00E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
1175	481292.2	3767910	4.97E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00
1176	481301.4	3767906	4.95E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00
1177	481310.6	3767902	4.93E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00
1178	481319.8	3767898	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
1179	481328.9	3767895	4.90E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00
1206	480934.9	3768144	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
1207	480938.7	3768135	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
1208	480942.5	3768126	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
1209	480946.3	3768117	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
1210	480950.1	3768108	9.98E-04	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1211	480953.9	3768099	9.52E-04	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00
1212	480957.7	3768090	9.10E-04	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00
1213	480972.9	3768054	7.70E-04	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00
1214	480976.7	3768045	7.40E-04	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00
1215	480980.5	3768036	7.13E-04	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00
1216	480984.3	3768027	6.88E-04	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00
1217	480988.1	3768018	6.64E-04	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00
1218	480991.9	3768009	6.41E-04	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00
1219	481004.7	3767997	6.13E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00
1220	481013.8	3767993	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1221	481022.8	3767989	5.99E-04	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00
1222	481031.8	3767986	5.92E-04	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00
1223	481040.8	3767982	5.85E-04	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00
1224	481049.8	3767978	5.79E-04	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00
1225	481058.8	3767975	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
1226	481067.8	3767971	5.65E-04	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00
1227	481076.8	3767967	5.59E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00
1228	481085.9	3767964	5.53E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
1229	481094.9	3767960	5.46E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00
1230	481103.9	3767956	5.40E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00
1231	481112.9	3767953	5.34E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00
1232	481121.9	3767949	5.28E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
1233	481167	3767931	5.00E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
1234	481176	3767927	4.95E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00
1235	481185	3767923	4.90E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
1236	481194	3767920	4.86E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00

1237	481203	3767916	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
1238	481212	3767912	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
1239	481221.1	3767909	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
1240	481230.1	3767905	4.71E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00
1241	481239.1	3767901	4.67E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00
1242	481248.1	3767898	4.64E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
1243	481257.1	3767894	4.61E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00
1244	481266.1	3767890	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1245	481275.1	3767887	4.56E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00
1246	481284.2	3767883	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00
1247	481293.2	3767879	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00
1248	481302.2	3767875	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
1249	481311.2	3767872	4.49E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
1250	481320.2	3767868	4.47E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1251	481329.2	3767864	4.46E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00
1284	480936.3	3768069	8.16E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00
1285	480940.1	3768060	7.84E-04	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00
1286	480944	3768051	7.53E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00
1287	480947.8	3768042	7.25E-04	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00
1288	480951.7	3768033	6.98E-04	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00
1289	480955.5	3768024	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00
1290	480959.3	3768015	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
1291	480963.2	3768006	6.28E-04	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00
1292	480967	3767997	6.07E-04	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00
1293	480970.8	3767988	5.88E-04	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00
1294	480983.8	3767975	5.63E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00
1295	480992.8	3767972	5.57E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00
1296	481001.9	3767968	5.51E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00
1297	481011	3767964	5.45E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00
1298	481020.1	3767961	5.39E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00
1299	481029.2	3767957	5.33E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00
1300	481038.3	3767953	5.27E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
1301	481047.4	3767949	5.22E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00
1302	481102	3767927	4.88E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00
1303	481111.1	3767923	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
1304	481120.1	3767920	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1305	481156.5	3767905	4.58E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1306	481165.6	3767901	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
1307	481174.7	3767898	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00
1308	481183.8	3767894	4.46E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
1309	481192.9	3767890	4.42E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
1310	481202	3767886	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
1311	481211.1	3767883	4.35E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
1312	481220.2	3767879	4.32E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00
1313	481229.3	3767875	4.29E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00
1314	481238.3	3767872	4.26E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00
1315	481247.4	3767868	4.24E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00
1316	481256.5	3767864	4.21E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00
1317	481265.6	3767860	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1318	481274.7	3767857	4.17E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00
1319	481283.8	3767853	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1320	481292.9	3767849	4.13E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00
1321	481302	3767846	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
1322	481311.1	3767842	4.11E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1323	481320.2	3767838	4.10E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00
1324	481329.3	3767835	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
1357	480903.4	3768076	8.32E-04	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00
1358	480907.2	3768067	7.98E-04	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00
1359	480911.1	3768058	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
1360	480914.9	3768049	7.38E-04	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00
1361	480918.8	3768040	7.10E-04	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00
1362	480922.7	3768031	6.84E-04	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00
1363	480926.5	3768021	6.60E-04	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00
1364	480930.4	3768012	6.37E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00
1365	480934.3	3768003	6.16E-04	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00
1366	480938.1	3767994	5.96E-04	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00
1367	480942	3767985	5.76E-04	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00
1368	480945.9	3767976	5.58E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00
1369	480949.7	3767967	5.41E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
1370	480962.8	3767954	5.20E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
1371	480971.9	3767950	5.15E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
1372	481026.9	3767928	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
1373	481036.1	3767924	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1374	481045.2	3767920	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00
1375	481054.4	3767917	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00
1376	481063.6	3767913	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
1377	481072.7	3767909	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
1378	481081.9	3767905	4.53E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00
1379	481091.1	3767902	4.48E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1380	481100.2	3767898	4.43E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
1381	481109.4	3767894	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
1382	481118.6	3767890	4.35E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
1383	481127.7	3767887	4.30E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00
1384	481155.2	3767876	4.18E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00
1385	481164.4	3767872	4.14E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00
1386	481173.5	3767868	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1387	481182.7	3767864	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
1388	481191.9	3767861	4.04E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00
1389	481201	3767857	4.01E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00
1390	481210.2	3767853	3.98E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00
1391	481219.4	3767849	3.96E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00

1392	481228.5	3767846	3.93E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00
1393	481237.7	3767842	3.91E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00
1394	481246.8	3767838	3.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00
1395	481256	3767834	3.86E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00
1396	481265.2	3767831	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1397	481274.3	3767827	3.83E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
1398	481283.5	3767823	3.81E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00
1399	481292.7	3767819	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1400	481301.8	3767816	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
1401	481311	3767812	3.78E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00
1402	481320.2	3767808	3.77E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1403	481329.3	3767805	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1435	480867.8	3768089	8.75E-04	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00
1436	480871.6	3768080	8.38E-04	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00
1437	480875.4	3768071	8.04E-04	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00
1438	480879.3	3768062	7.72E-04	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00
1439	480883.1	3768053	7.42E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00
1440	480886.9	3768044	7.15E-04	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00
1441	480890.7	3768035	6.89E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00
1442	480894.5	3768026	6.65E-04	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00
1443	480898.3	3768017	6.42E-04	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00
1444	480902.1	3768008	6.21E-04	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
1445	480905.9	3767999	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
1446	480909.7	3767990	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
1447	480913.5	3767981	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
1448	480917.3	3767972	5.47E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00
1449	480921.1	3767963	5.30E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00
1450	480924.9	3767954	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
1451	480950.6	3767929	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1452	480959.6	3767925	4.72E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00
1453	480968.6	3767922	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
1454	480977.7	3767918	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00
1455	480986.7	3767914	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1456	480995.7	3767911	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
1457	481004.7	3767907	4.49E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00
1458	481013.8	3767903	4.45E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00
1459	481022.8	3767900	4.41E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00
1460	481031.8	3767896	4.36E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00
1461	481040.8	3767892	4.32E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00
1462	481049.8	3767889	4.28E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00
1463	481058.9	3767885	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
1464	481067.9	3767881	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1465	481076.9	3767877	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1466	481085.9	3767874	4.11E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1467	481095	3767870	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
1468	481104	3767866	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
1469	481113	3767863	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
1470	481122	3767859	3.95E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1471	481149.1	3767848	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1472	481158.1	3767844	3.82E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00
1473	481167.2	3767841	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
1474	481176.2	3767837	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
1475	481185.2	3767833	3.73E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00
1476	481194.2	3767830	3.70E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00
1477	481203.3	3767826	3.68E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
1478	481212.3	3767822	3.66E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00
1479	481221.3	3767819	3.63E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
1480	481230.3	3767815	3.61E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00
1481	481239.4	3767811	3.59E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00
1482	481248.4	3767808	3.58E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00
1483	481257.4	3767804	3.56E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00
1484	481266.4	3767800	3.55E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00
1485	481275.4	3767797	3.53E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00
1486	481284.5	3767793	3.52E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00
1487	481293.5	3767789	3.51E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00
1488	481302.5	3767786	3.50E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00
1489	481311.5	3767782	3.49E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00
1490	481320.6	3767778	3.48E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00
1491	481329.6	3767774	3.48E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00
1518	480834.8	3768096	8.94E-04	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00
1519	480838.6	3768087	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00
1520	480842.5	3768078	8.20E-04	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00
1521	480846.3	3768069	7.87E-04	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00
1522	480850.1	3768060	7.56E-04	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00
1523	480854	3768051	7.27E-04	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00
1524	480857.8	3768041	7.00E-04	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00
1525	480861.6	3768032	6.75E-04	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00
1526	480865.5	3768023	6.51E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00
1527	480869.3	3768014	6.29E-04	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
1528	480873.1	3768005	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
1529	480877	3767996	5.88E-04	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
1530	480880.8	3767987	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
1531	480884.6	3767978	5.52E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00
1532	480888.5	3767969	5.36E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00
1533	480892.3	3767960	5.20E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00
1534	480896.1	3767951	5.05E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00
1535	480907.6	3767924	4.64E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
1536	480920.6	3767911	4.48E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1537	480929.7	3767908	4.43E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
1538	480938.7	3767904	4.39E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
1539	480947.8	3767900	4.35E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00

1540	480956.9	3767896	4.31E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00
1541	480966	3767893	4.27E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00
1542	480975.1	3767889	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
1543	480984.2	3767885	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1544	480993.3	3767882	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1545	481002.4	3767878	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1546	481011.5	3767874	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
1547	481020.6	3767870	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
1548	481029.7	3767867	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
1549	481038.7	3767863	3.95E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1550	481047.8	3767859	3.92E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00
1551	481056.9	3767856	3.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00
1552	481066	3767852	3.84E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1553	481075.1	3767848	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1554	481084.2	3767845	3.77E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1555	481093.3	3767841	3.73E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00
1556	481102.4	3767837	3.70E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00
1557	481111.5	3767833	3.67E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00
1558	481120.6	3767830	3.63E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
1559	481156.9	3767815	3.52E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00
1560	481166	3767811	3.49E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00
1561	481175.1	3767808	3.46E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00
1562	481184.2	3767804	3.44E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00
1563	481193.3	3767800	3.42E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00
1564	481202.4	3767796	3.40E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00
1565	481211.5	3767793	3.38E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00
1566	481220.6	3767789	3.36E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00
1567	481229.7	3767785	3.34E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00
1568	481238.7	3767782	3.32E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00
1569	481247.8	3767778	3.31E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00
1570	481256.9	3767774	3.30E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00
1571	481266	3767770	3.28E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00
1572	481275.1	3767767	3.27E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00
1573	481284.2	3767763	3.26E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00
1574	481293.3	3767759	3.25E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00
1575	481302.4	3767756	3.25E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00
1576	481311.5	3767752	3.24E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00
1577	481320.6	3767748	3.23E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00
1578	481329.6	3767745	3.23E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00
1593	481335.5	3768229	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
1594	481210.7	3768219	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
1595	481191.5	3768199	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
1596	481181.9	3768189	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
1597	481162.7	3768170	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
1598	481143.6	3768110	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1599	481210.8	3768080	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00
1600	481201.2	3768080	9.35E-04	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00
1601	481191.6	3768080	9.31E-04	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
1602	481287.6	3768050	8.55E-04	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00
1603	481278	3768050	8.48E-04	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00
1604	481268.4	3768050	8.41E-04	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00
1605	481220.4	3768050	8.16E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00
1606	481210.8	3768050	8.12E-04	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00
1607	481201.3	3768050	8.09E-04	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00
1608	481191.7	3768050	8.06E-04	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00
1609	481335.7	3768020	7.87E-04	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00
1610	481287.7	3768020	7.48E-04	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00
1611	481278.1	3768020	7.42E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00
1612	481268.5	3768020	7.36E-04	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00
1613	481210.9	3768020	7.12E-04	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00
1614	481201.3	3768020	7.09E-04	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00
1615	481191.7	3768020	7.06E-04	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00
1616	481143.7	3768020	6.95E-04	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00
1617	481287.7	3767990	6.61E-04	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00
1618	481278.1	3767990	6.56E-04	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00
1619	481268.5	3767990	6.51E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00
1620	481210.9	3767990	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
1621	481201.3	3767990	6.27E-04	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00
1622	481191.7	3767990	6.25E-04	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
1623	481287.7	3767960	5.90E-04	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
1624	481278.1	3767960	5.85E-04	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00
1625	481268.5	3767960	5.81E-04	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
1626	481220.5	3767960	5.65E-04	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00
1627	481210.9	3767960	5.62E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00
1628	481201.3	3767960	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
1629	481191.7	3767960	5.58E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00
1630	481191.8	3767930	5.03E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00
1631	481287.8	3767900	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
1632	481278.2	3767900	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1633	481268.6	3767900	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
1634	481211	3767900	4.59E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00
1635	481201.4	3767900	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
1636	481191.8	3767900	4.56E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00
1637	481287.8	3767870	4.38E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
1638	481278.2	3767870	4.35E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
1639	481268.6	3767870	4.32E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00
1640	481220.6	3767870	4.21E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00
1641	481211	3767870	4.19E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1642	481201.4	3767870	4.17E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00
1643	481191.8	3767870	4.16E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00
1644	481287.9	3767840	4.01E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00

1645	481278.3	3767840	3.98E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00
1646	481268.7	3767840	3.96E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1647	481220.7	3767840	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00
1648	481211.1	3767840	3.84E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00
1649	481201.5	3767840	3.82E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
1650	481191.9	3767840	3.81E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1780	481086.3	3768173	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
1789	481057.8	3768175	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
1790	481093.5	3768160	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1798	480993.7	3768171	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
1799	481036.5	3768154	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
1800	481072.2	3768139	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
1801	481107.9	3768125	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
1802	481122.2	3768119	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
1808	480938.3	3768164	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1809	480974.9	3768149	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1810	481011.6	3768134	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
1811	481048.3	3768119	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
1812	481084.9	3768104	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
1813	481099.6	3768098	9.92E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1814	481114.3	3768092	9.65E-04	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00
1820	480953.6	3768128	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
1821	480990.1	3768113	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
1822	481026.7	3768098	9.70E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
1823	481063.2	3768083	9.08E-04	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00
1824	481077.9	3768077	8.85E-04	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00
1825	481092.5	3768071	8.63E-04	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00
1826	481107.1	3768065	8.42E-04	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00
1827	481121.7	3768059	8.22E-04	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00
1831	480968.7	3768092	9.20E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
1832	481005.2	3768077	8.65E-04	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00
1833	481041.6	3768062	8.14E-04	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00
1834	481056.2	3768056	7.95E-04	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00
1835	481070.8	3768050	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
1836	481085.4	3768044	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00
1837	481099.9	3768038	7.43E-04	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00
1838	481114.5	3768032	7.26E-04	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00
1841	480983.7	3768056	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
1842	481020.1	3768041	7.36E-04	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00
1843	481034.6	3768035	7.20E-04	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00
1844	481049.2	3768029	7.05E-04	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00
1845	481063.7	3768023	6.90E-04	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00
1846	481078.3	3768017	6.76E-04	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00
1847	481092.8	3768011	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00
1848	481107.4	3768005	6.48E-04	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00
1849	481121.9	3767999	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
1863	480809.9	3768097	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
1864	480824.4	3768091	8.68E-04	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00
1865	480853.4	3768079	8.29E-04	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00
1866	480889.7	3768064	7.82E-04	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00
1867	480926	3768049	7.41E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00
1868	480962.3	3768034	7.03E-04	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1869	480998.6	3768019	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
1870	481013.1	3768013	6.56E-04	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00
1871	481027.6	3768008	6.43E-04	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00
1872	481042.1	3768002	6.31E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00
1873	481056.7	3767996	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
1874	481071.2	3767990	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1875	481085.7	3767984	5.95E-04	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00
1876	481100.2	3767978	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
1877	481114.7	3767972	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00
1878	481129.2	3767966	5.61E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1893	480772.4	3768100	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
1894	480778.5	3768086	8.30E-04	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00
1895	480788.8	3768075	7.94E-04	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00
1896	480803.3	3768069	7.77E-04	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
1897	480817.8	3768064	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00
1898	480832.3	3768058	7.44E-04	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00
1899	480868.5	3768043	7.06E-04	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00
1900	480904.7	3768028	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00
1901	480940.9	3768013	6.41E-04	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00
1902	480977.2	3767998	6.12E-04	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00
1903	480991.7	3767992	6.01E-04	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
1904	481006.1	3767986	5.90E-04	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00
1905	481020.6	3767980	5.79E-04	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00
1906	481035.1	3767974	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
1907	481049.6	3767969	5.58E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00
1908	481064.1	3767963	5.48E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00
1909	481078.6	3767957	5.38E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00
1910	481093.1	3767951	5.28E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
1928	480723.8	3768143	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
1929	480754.4	3768071	7.68E-04	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00
1930	480767.7	3768054	7.14E-04	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00
1931	480782.2	3768048	7.00E-04	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00
1932	480796.7	3768042	6.86E-04	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00
1933	480811.1	3768036	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00
1934	480825.6	3768030	6.61E-04	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00
1935	480840.1	3768024	6.48E-04	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00
1936	480854.5	3768018	6.36E-04	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00
1937	480883.5	3768007	6.13E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00
1938	480919.6	3767992	5.87E-04	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00

1939	480955.8	3767977	5.62E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1940	480970.2	3767971	5.53E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
1941	480984.7	3767965	5.44E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00
1942	480999.2	3767959	5.34E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00
1943	481013.6	3767953	5.25E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
1944	481071.5	3767930	4.90E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00
1945	481086	3767924	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
1946	481100.4	3767918	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
1947	481114.9	3767912	4.65E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00
1965	480693.6	3768143	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1966	480699.7	3768129	9.96E-04	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1967	480705.8	3768115	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
1968	480711.9	3768100	8.64E-04	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00
1969	480718	3768086	8.08E-04	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00
1970	480724.2	3768072	7.58E-04	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00
1971	480761.1	3768027	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
1972	480775.5	3768021	6.24E-04	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00
1973	480790	3768015	6.12E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
1974	480804.4	3768009	6.02E-04	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00
1975	480818.9	3768003	5.92E-04	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00
1976	480833.3	3767997	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
1977	480847.8	3767991	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
1978	480862.2	3767985	5.62E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1979	480898.3	3767971	5.40E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00
1980	480934.4	3767956	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
1981	480948.9	3767950	5.11E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00
1982	481006.6	3767926	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
1983	481021.1	3767920	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00
1984	481035.5	3767914	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
1985	481050	3767908	4.55E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00
1986	481064.4	3767903	4.48E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1987	481078.9	3767897	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
1988	481093.3	3767891	4.33E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00
1989	481107.7	3767885	4.26E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00
1990	481122.2	3767879	4.20E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
2009	480665.6	3768138	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
2010	480671.8	3768124	9.55E-04	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
2011	480678	3768109	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
2012	480684.2	3768095	8.30E-04	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00
2013	480690.4	3768080	7.76E-04	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
2014	480696.6	3768065	7.28E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
2015	480702.9	3768051	6.85E-04	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00
2018	480725.7	3768011	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
2019	480755.1	3767999	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
2020	480769.7	3767993	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
2021	480784.4	3767987	5.51E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00
2022	480799.1	3767981	5.42E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00
2023	480813.7	3767975	5.34E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00
2024	480828.4	3767969	5.26E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00
2025	480843.1	3767963	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
2026	480857.8	3767957	5.09E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00
2027	480872.4	3767951	5.01E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00
2028	480931.1	3767927	4.72E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00
2029	480945.8	3767921	4.64E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
2030	480960.5	3767915	4.57E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
2031	480975.1	3767909	4.50E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
2032	480989.8	3767903	4.43E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
2033	481004.5	3767897	4.36E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00
2034	481019.2	3767891	4.29E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00
2035	481033.8	3767885	4.22E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00
2036	481048.5	3767879	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
2037	481063.2	3767873	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
2038	481077.8	3767867	4.02E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00
2039	481092.5	3767861	3.96E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
2040	481107.2	3767855	3.90E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00
2041	481121.9	3767849	3.84E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00
3046	481038.2	3768952	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
3047	481047.3	3768955	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
3048	481056.4	3768957	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
3049	481065.5	3768960	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3050	481074.6	3768963	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
3117	481038.5	3768983	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
3118	481047.6	3768986	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
3119	481056.7	3768989	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
3120	481065.9	3768992	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
3194	481038.9	3769015	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
3195	481048	3769018	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
3196	481057.1	3769020	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
3274	481039.3	3769046	1.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
3275	481048.4	3769049	1.11E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
3418	481086.8	3768967	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
3419	481100.2	3768971	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
3420	481077.8	3768996	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
3421	481091.5	3769000	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
3422	481068.7	3769024	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
3423	481082.7	3769029	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
3424	481059.7	3769053	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
3425	481074	3769057	1.00E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
3486	481113.5	3768975	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
3487	481105.1	3769004	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
3488	481118.8	3769008	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00

3489	481096.7	3769033	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
3490	481110.7	3769037	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
6012	481517.3	3768238	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
6013	481507.8	3768238	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
6014	481498.3	3768238	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00
6015	481488.8	3768238	5.57E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
6016	481479.3	3768238	5.41E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00
6017	481469.8	3768238	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
6018	481460.3	3768238	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
6019	481450.8	3768238	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
6020	481441.3	3768238	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
6021	481431.8	3768238	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6022	481422.3	3768238	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
6023	481412.7	3768238	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
6024	481403.2	3768238	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
6025	481393.7	3768238	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
6026	481384.2	3768238	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6027	481374.7	3768238	3.67E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
6028	481365.2	3768238	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6029	481355.7	3768238	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
6030	481346.2	3768238	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6037	481602	3768260	7.99E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
6038	481613.8	3768272	8.80E-03	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
6042	481517.4	3768228	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
6043	481507.9	3768228	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
6044	481498.4	3768228	5.09E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
6045	481488.9	3768228	4.96E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
6046	481479.4	3768228	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
6047	481469.8	3768228	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
6048	481460.3	3768228	4.50E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
6049	481450.8	3768228	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
6050	481441.3	3768228	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
6051	481431.8	3768228	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
6052	481422.3	3768228	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6053	481412.8	3768228	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
6054	481403.3	3768228	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6055	481393.8	3768228	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
6056	481384.3	3768228	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6057	481374.8	3768228	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
6058	481365.2	3768228	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
6059	481355.7	3768228	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
6060	481346.2	3768228	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
6065	481620.7	3768265	8.11E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
6068	481640.9	3768314	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
6069	481517.4	3768219	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6070	481507.9	3768219	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
6071	481498.4	3768219	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
6072	481488.9	3768219	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
6073	481479.4	3768218	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
6074	481469.9	3768218	4.17E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
6075	481460.4	3768218	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
6076	481450.9	3768218	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6077	481441.4	3768218	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
6078	481431.8	3768218	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6079	481422.3	3768218	3.50E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
6080	481412.8	3768218	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
6081	481403.3	3768218	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6082	481393.8	3768218	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
6083	481384.3	3768218	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
6084	481374.8	3768218	2.99E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6085	481365.3	3768218	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6086	481355.8	3768218	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
6087	481346.3	3768218	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
6088	481336.8	3768218	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6092	481616.2	3768246	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
6093	481627.7	3768258	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
6094	481634.3	3768274	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
6095	481640.9	3768291	9.60E-03	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00
6096	481647.6	3768307	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
6097	481654.2	3768323	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
6098	481517.5	3768209	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
6099	481508	3768209	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
6100	481498.5	3768209	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
6101	481488.9	3768209	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
6102	481479.4	3768209	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00
6103	481469.9	3768209	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
6104	481460.4	3768209	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
6105	481450.9	3768209	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
6106	481441.4	3768208	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
6107	481431.9	3768208	3.28E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
6108	481422.4	3768208	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6109	481412.9	3768208	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
6110	481403.4	3768208	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
6111	481393.9	3768208	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
6112	481384.3	3768208	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6113	481374.8	3768208	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6114	481365.3	3768208	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
6115	481355.8	3768208	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6116	481346.3	3768208	2.53E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
6117	481336.8	3768208	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6124	481605.3	3768232	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00

6125	481614	3768236	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
6126	481622.7	3768239	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
6127	481634.9	3768252	7.02E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
6128	481638.5	3768260	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00
6129	481642	3768269	8.03E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
6130	481645.6	3768278	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
6131	481649.1	3768287	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
6132	481652.7	3768295	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
6133	481656.2	3768304	1.00E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
6134	481659.8	3768313	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
6135	481663.3	3768321	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
6136	481517.5	3768199	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
6137	481508	3768199	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
6138	481498.5	3768199	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6139	481489	3768199	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6140	481479.5	3768199	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
6141	481470	3768199	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6142	481460.5	3768199	3.30E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6143	481450.9	3768199	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
6144	481441.4	3768199	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
6145	481431.9	3768199	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
6146	481422.4	3768199	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
6147	481412.9	3768199	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6148	481403.4	3768198	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
6149	481393.9	3768198	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
6150	481384.4	3768198	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
6151	481374.9	3768198	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6152	481365.4	3768198	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
6153	481355.9	3768198	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
6154	481346.3	3768198	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6155	481336.8	3768198	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6162	481604.1	3768222	5.50E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
6163	481612.7	3768225	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
6164	481621.2	3768229	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
6165	481629.8	3768232	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00
6166	481641.9	3768245	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
6167	481645.4	3768253	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
6168	481648.8	3768262	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00
6169	481652.3	3768270	7.90E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00
6170	481655.8	3768279	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00
6171	481659.3	3768288	8.82E-03	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00
6172	481662.8	3768296	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00
6173	481666.3	3768305	9.66E-03	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00
6174	481669.8	3768313	1.00E-02	0.00E+00	0.00E+00	9.94E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
6175	481673.3	3768322	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
6176	481517.5	3768189	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6177	481508	3768189	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
6178	481498.5	3768189	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
6179	481489	3768189	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6180	481479.5	3768189	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
6181	481470	3768189	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
6182	481460.5	3768189	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
6183	481451	3768189	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6184	481441.5	3768189	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
6185	481432	3768189	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6186	481422.5	3768189	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
6187	481413	3768189	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
6188	481403.4	3768189	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6189	481393.9	3768189	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6190	481384.4	3768189	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
6191	481374.9	3768189	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6192	481365.4	3768188	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6193	481355.9	3768188	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6194	481346.4	3768188	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6195	481336.9	3768188	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
6203	481611.6	3768215	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
6204	481620	3768218	5.33E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
6205	481628.5	3768222	5.48E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
6206	481636.9	3768225	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
6207	481648.8	3768237	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00
6208	481652.3	3768246	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
6209	481655.7	3768254	6.93E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
6210	481659.2	3768263	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00
6211	481662.6	3768271	7.75E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00
6212	481666.1	3768280	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00
6213	481669.5	3768288	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00
6214	481673	3768297	8.94E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
6215	481679.9	3768314	9.63E-03	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
6216	481683.3	3768322	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
6217	481517.6	3768179	3.26E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
6218	481508.1	3768179	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6219	481498.6	3768179	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
6220	481489.1	3768179	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
6221	481479.6	3768179	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
6222	481470	3768179	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
6223	481460.5	3768179	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
6224	481451	3768179	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
6225	481441.5	3768179	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6226	481432	3768179	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
6227	481422.5	3768179	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
6228	481413	3768179	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00

6229	481403.5	3768179	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6230	481394	3768179	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
6231	481384.5	3768179	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6232	481375	3768179	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
6233	481365.4	3768179	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6234	481355.9	3768179	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6235	481346.4	3768179	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6236	481336.9	3768179	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
6237	481552.2	3768180	3.56E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00
6238	481560.5	3768184	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
6244	481610.6	3768205	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
6245	481619	3768208	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
6246	481627.3	3768212	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00
6247	481635.7	3768215	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
6248	481644	3768219	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
6249	481655.8	3768230	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6250	481662.6	3768247	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
6251	481669.4	3768264	7.21E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00
6252	481672.8	3768272	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
6253	481679.6	3768289	8.30E-03	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
6254	481686.4	3768306	8.95E-03	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00
6255	481693.3	3768323	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
6256	481517.6	3768169	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6257	481508.1	3768169	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6258	481498.6	3768169	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
6259	481489.1	3768169	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
6260	481479.6	3768169	2.68E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
6261	481470.1	3768169	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
6262	481460.6	3768169	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
6263	481451.1	3768169	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
6264	481441.6	3768169	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
6265	481432.1	3768169	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
6266	481422.5	3768169	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6267	481413	3768169	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
6268	481403.5	3768169	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
6269	481394	3768169	2.06E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
6270	481384.5	3768169	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6271	481375	3768169	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
6272	481365.5	3768169	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
6273	481356	3768169	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6274	481346.5	3768169	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
6275	481337	3768169	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
6276	481552	3768170	3.26E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
6277	481568.5	3768177	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6280	481618	3768198	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
6281	481634.6	3768205	4.74E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
6282	481651.1	3768212	4.97E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
6283	481662.7	3768223	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
6284	481669.5	3768240	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
6285	481676.2	3768257	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
6286	481683	3768273	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00
6287	481689.7	3768290	8.04E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
6288	481693.1	3768298	8.34E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00
6289	481699.8	3768315	8.88E-03	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00
6290	481517.7	3768160	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
6291	481508.2	3768160	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
6292	481498.7	3768160	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6293	481489.1	3768159	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6294	481479.6	3768159	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6295	481470.1	3768159	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
6296	481460.6	3768159	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6297	481451.1	3768159	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
6298	481441.6	3768159	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
6299	481432.1	3768159	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
6300	481422.6	3768159	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
6301	481413.1	3768159	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
6302	481403.6	3768159	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
6303	481394.1	3768159	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
6304	481384.5	3768159	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
6305	481375	3768159	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
6306	481365.5	3768159	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
6307	481356	3768159	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
6308	481346.5	3768159	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6309	481337	3768159	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
6310	481553.3	3768161	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
6311	481562	3768164	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6312	481570.7	3768168	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
6313	481579.4	3768172	3.47E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
6314	481588.1	3768175	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6315	481596.8	3768179	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
6316	481614.2	3768186	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
6317	481622.9	3768190	4.20E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
6318	481631.6	3768194	4.33E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
6319	481640.3	3768197	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
6320	481649	3768201	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
6321	481657.6	3768205	4.68E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
6322	481669.9	3768217	5.09E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
6323	481673.4	3768226	5.41E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00
6324	481677	3768234	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
6325	481680.6	3768243	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
6326	481684.1	3768252	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00

6327	481687.7	3768261	6.72E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
6328	481691.2	3768269	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
6329	481694.8	3768278	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
6330	481698.3	3768287	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
6331	481701.9	3768296	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
6332	481705.4	3768304	8.23E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00
6333	481709	3768313	8.47E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00
6334	481712.5	3768322	8.69E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
6335	481517.7	3768150	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6336	481508.2	3768150	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6337	481498.7	3768150	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6338	481489.2	3768150	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
6339	481479.7	3768150	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6340	481470.2	3768150	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
6341	481460.7	3768150	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6342	481451.2	3768149	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
6343	481441.6	3768149	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6344	481432.1	3768149	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6345	481422.6	3768149	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6346	481413.1	3768149	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6347	481403.6	3768149	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6348	481394.1	3768149	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
6349	481384.6	3768149	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6350	481375.1	3768149	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
6351	481365.6	3768149	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
6352	481356.1	3768149	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
6353	481346.6	3768149	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
6354	481337	3768149	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
6355	481553	3768151	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6356	481561.6	3768154	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6357	481570.2	3768158	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
6358	481578.8	3768162	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
6359	481587.4	3768165	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
6360	481596	3768169	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
6361	481604.6	3768172	3.59E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
6362	481613.2	3768176	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
6363	481621.8	3768180	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
6364	481630.4	3768183	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
6365	481639	3768187	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
6366	481647.6	3768191	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
6367	481656.2	3768194	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
6368	481664.7	3768198	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
6369	481676.9	3768210	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6370	481680.4	3768219	5.09E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
6371	481683.9	3768227	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
6372	481687.4	3768236	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
6373	481690.9	3768244	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
6374	481694.4	3768253	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
6375	481697.9	3768262	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
6376	481701.4	3768270	6.89E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
6377	481704.9	3768279	7.17E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
6378	481708.4	3768288	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
6379	481712	3768296	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
6380	481715.5	3768305	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
6381	481719	3768314	8.15E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
6382	481722.5	3768322	8.33E-03	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
6383	481517.8	3768140	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6384	481508.2	3768140	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
6385	481498.7	3768140	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6386	481489.2	3768140	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6387	481479.7	3768140	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
6388	481470.2	3768140	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6389	481460.7	3768140	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6390	481451.2	3768140	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
6391	481441.7	3768140	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
6392	481432.2	3768140	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
6393	481422.7	3768140	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
6394	481413.2	3768140	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
6395	481403.6	3768139	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
6396	481394.1	3768139	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
6397	481384.6	3768139	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
6398	481375.1	3768139	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6399	481365.6	3768139	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6400	481356.1	3768139	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
6401	481346.6	3768139	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
6402	481337.1	3768139	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
6403	481552.8	3768141	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6404	481561.3	3768144	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
6405	481569.8	3768148	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
6406	481578.3	3768152	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
6407	481586.8	3768155	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
6408	481595.3	3768159	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
6409	481603.8	3768162	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
6410	481612.3	3768166	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
6411	481620.8	3768169	3.56E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00
6412	481629.3	3768173	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
6413	481637.8	3768177	3.79E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6414	481646.3	3768180	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
6415	481654.8	3768184	4.01E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
6416	481663.3	3768187	4.11E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
6417	481671.8	3768191	4.20E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00

6418	481683.8	3768203	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6419	481687.3	3768211	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6420	481690.8	3768220	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
6421	481694.2	3768229	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
6422	481697.7	3768237	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
6423	481701.2	3768246	5.90E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
6424	481704.6	3768254	6.18E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
6425	481708.1	3768263	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
6426	481711.6	3768271	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
6427	481715.1	3768280	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
6428	481718.5	3768288	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
6429	481722	3768297	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
6430	481725.5	3768305	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00
6431	481729	3768314	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
6432	481732.4	3768323	8.00E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
6433	481517.8	3768130	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
6434	481508.3	3768130	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
6435	481498.8	3768130	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6436	481489.3	3768130	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6437	481479.8	3768130	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
6438	481470.3	3768130	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6439	481460.7	3768130	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
6440	481451.2	3768130	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
6441	481441.7	3768130	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
6442	481432.2	3768130	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6443	481422.7	3768130	1.67E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6444	481413.2	3768130	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
6445	481403.7	3768130	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
6446	481394.2	3768130	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6447	481384.7	3768130	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6448	481375.2	3768130	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
6449	481365.7	3768129	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6450	481356.1	3768129	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
6451	481346.6	3768129	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6452	481337.1	3768129	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
6453	481552.6	3768131	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6454	481561	3768134	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
6455	481569.4	3768138	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6456	481577.9	3768142	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6457	481586.3	3768145	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
6458	481594.7	3768149	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
6459	481603.1	3768152	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
6460	481611.5	3768156	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6461	481620	3768159	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6462	481628.4	3768163	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6463	481636.8	3768166	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
6464	481645.2	3768170	3.61E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6465	481653.7	3768173	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6466	481662.1	3768177	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6467	481670.5	3768180	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
6468	481678.9	3768184	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
6469	481690.8	3768196	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
6470	481694.2	3768204	4.53E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6471	481701.1	3768221	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
6472	481704.5	3768230	5.29E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
6473	481708	3768238	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
6474	481711.4	3768247	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
6475	481714.9	3768255	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
6476	481718.3	3768264	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
6477	481725.2	3768281	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
6478	481728.6	3768289	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
6479	481732.1	3768297	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
6480	481735.5	3768306	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
6481	481738.9	3768314	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00
6482	481517.8	3768120	2.04E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
6483	481508.3	3768120	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6484	481498.8	3768120	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
6485	481489.3	3768120	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
6486	481479.8	3768120	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
6487	481470.3	3768120	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
6488	481460.8	3768120	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
6489	481451.3	3768120	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
6490	481441.8	3768120	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
6491	481432.3	3768120	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6492	481422.7	3768120	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
6493	481413.2	3768120	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
6494	481403.7	3768120	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
6495	481394.2	3768120	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6496	481384.7	3768120	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
6497	481375.2	3768120	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
6498	481365.7	3768120	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
6499	481356.2	3768120	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6500	481346.7	3768120	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6501	481337.2	3768120	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
6502	481552.4	3768121	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6503	481560.8	3768124	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
6504	481569.1	3768128	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6505	481577.5	3768131	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
6506	481585.8	3768135	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
6507	481594.2	3768139	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6508	481602.5	3768142	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00

6509	481610.9	3768146	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
6510	481619.2	3768149	3.05E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
6511	481627.6	3768153	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
6512	481635.9	3768156	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
6513	481644.2	3768160	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
6514	481652.6	3768163	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
6515	481660.9	3768167	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
6516	481669.3	3768170	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6517	481677.6	3768174	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6518	481686	3768177	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6519	481697.7	3768189	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
6520	481704.6	3768206	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
6521	481711.4	3768223	4.99E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
6522	481714.8	3768231	5.23E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
6523	481721.6	3768248	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
6524	481728.4	3768264	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
6525	481735.2	3768281	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
6526	481742.1	3768298	7.09E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00
6527	481745.5	3768306	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
6528	481752.3	3768323	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
6529	481517.9	3768110	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
6530	481508.4	3768110	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6531	481498.9	3768110	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
6532	481489.3	3768110	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
6533	481479.8	3768110	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
6534	481470.3	3768110	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6535	481460.8	3768110	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
6536	481451.3	3768110	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6537	481441.8	3768110	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
6538	481432.3	3768110	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
6539	481422.8	3768110	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
6540	481413.3	3768110	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6541	481403.8	3768110	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6542	481394.3	3768110	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
6543	481384.8	3768110	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6544	481375.2	3768110	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6545	481365.7	3768110	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6546	481356.2	3768110	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
6547	481346.7	3768110	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6548	481337.2	3768110	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
6549	481553.5	3768112	2.09E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
6550	481562.2	3768115	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6551	481570.9	3768119	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6552	481579.6	3768123	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
6553	481588.3	3768126	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6554	481597	3768130	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
6555	481605.7	3768133	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6556	481623.1	3768141	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
6557	481631.8	3768144	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
6558	481640.5	3768148	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
6559	481649.2	3768152	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6560	481657.9	3768155	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6561	481666.5	3768159	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
6562	481675.2	3768163	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
6563	481683.9	3768166	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
6564	481692.6	3768170	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
6565	481704.9	3768182	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6566	481708.4	3768191	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
6567	481712	3768200	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
6568	481715.5	3768209	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
6569	481719.1	3768217	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
6570	481722.6	3768226	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
6571	481726.2	3768235	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
6572	481729.7	3768244	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
6573	481733.3	3768252	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00
6574	481736.8	3768261	5.93E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
6575	481740.4	3768270	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
6576	481744	3768279	6.39E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
6577	481747.5	3768287	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00
6578	481751.1	3768296	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
6579	481754.6	3768305	7.00E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
6580	481758.2	3768313	7.16E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
6581	481761.7	3768322	7.30E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00
6582	481517.9	3768101	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
6583	481508.4	3768101	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6584	481498.9	3768101	1.69E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
6585	481489.4	3768100	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
6586	481479.9	3768100	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
6587	481470.4	3768100	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
6588	481460.9	3768100	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
6589	481451.4	3768100	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
6590	481441.8	3768100	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6591	481432.3	3768100	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
6592	481422.8	3768100	1.39E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
6593	481413.3	3768100	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6594	481403.8	3768100	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6595	481394.3	3768100	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
6596	481384.8	3768100	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
6597	481375.3	3768100	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
6598	481365.8	3768100	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
6599	481356.3	3768100	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00

6600	481346.8	3768100	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6601	481337.2	3768100	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6602	481553.3	3768102	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
6603	481561.9	3768105	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6604	481570.5	3768109	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
6605	481579.1	3768112	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6606	481587.8	3768116	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
6607	481596.4	3768120	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6608	481605	3768123	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6609	481613.6	3768127	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6610	481622.2	3768131	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6611	481630.8	3768134	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
6612	481639.4	3768138	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6613	481648	3768141	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
6614	481656.7	3768145	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
6615	481665.3	3768149	3.13E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6616	481673.9	3768152	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
6617	481682.5	3768156	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6618	481691.1	3768160	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
6619	481699.7	3768163	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
6620	481711.8	3768175	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
6621	481715.4	3768184	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6622	481718.9	3768193	4.01E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
6623	481722.4	3768201	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
6624	481725.9	3768210	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00
6625	481729.4	3768219	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
6626	481733	3768227	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
6627	481736.5	3768236	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
6628	481740	3768245	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
6629	481743.5	3768253	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
6630	481747	3768262	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
6631	481750.5	3768271	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
6632	481754.1	3768279	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
6633	481757.6	3768288	6.42E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
6634	481761.1	3768297	6.60E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00
6635	481764.6	3768305	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
6636	481768.1	3768314	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
6637	481771.7	3768323	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
6638	481518	3768091	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
6639	481508.4	3768091	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
6640	481498.9	3768091	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6641	481489.4	3768091	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6642	481479.9	3768091	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6643	481470.4	3768091	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
6644	481460.9	3768091	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6645	481451.4	3768090	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6646	481441.9	3768090	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
6647	481432.4	3768090	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
6648	481422.9	3768090	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
6649	481413.4	3768090	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
6650	481403.9	3768090	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6651	481394.3	3768090	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
6652	481384.8	3768090	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
6653	481375.3	3768090	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6654	481365.8	3768090	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
6655	481356.3	3768090	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6656	481346.8	3768090	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6657	481337.3	3768090	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
6658	481553.1	3768092	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6659	481561.7	3768095	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
6660	481570.2	3768099	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6661	481578.7	3768102	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6662	481587.3	3768106	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6663	481595.8	3768110	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6664	481604.3	3768113	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
6665	481612.9	3768117	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
6666	481621.4	3768120	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
6667	481630	3768124	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6668	481638.5	3768128	2.66E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
6669	481647	3768131	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
6670	481655.6	3768135	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
6671	481664.1	3768138	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6672	481672.6	3768142	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
6673	481681.2	3768145	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
6674	481689.7	3768149	3.06E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
6675	481698.2	3768153	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6676	481706.8	3768156	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
6677	481718.8	3768168	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
6678	481722.3	3768177	3.61E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6679	481725.8	3768186	3.80E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6680	481729.3	3768194	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
6681	481732.8	3768203	4.21E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
6682	481736.2	3768211	4.42E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
6683	481739.7	3768220	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
6684	481743.2	3768228	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
6685	481746.7	3768237	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00
6686	481750.2	3768246	5.26E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
6687	481753.7	3768254	5.47E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
6688	481757.2	3768263	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
6689	481760.7	3768271	5.88E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00
6690	481764.1	3768280	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00

6691	481767.6	3768288	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
6692	481771.1	3768297	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
6693	481774.6	3768306	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
6694	481778.1	3768314	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
6695	481781.6	3768323	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
6696	481518	3768081	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
6697	481508.5	3768081	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
6698	481499	3768081	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
6699	481489.5	3768081	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6700	481480	3768081	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
6701	481470.5	3768081	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
6702	481460.9	3768081	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
6703	481451.4	3768081	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
6704	481441.9	3768081	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6705	481432.4	3768081	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
6706	481422.9	3768081	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
6707	481413.4	3768080	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
6708	481403.9	3768080	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6709	481394.4	3768080	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6710	481384.9	3768080	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6711	481375.4	3768080	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
6712	481365.9	3768080	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
6713	481356.3	3768080	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
6714	481346.8	3768080	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
6715	481337.3	3768080	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6716	481553	3768082	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6717	481561.4	3768085	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
6718	481569.9	3768089	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6719	481578.4	3768092	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
6720	481586.8	3768096	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6721	481595.3	3768100	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6722	481603.8	3768103	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6723	481612.2	3768107	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6724	481620.7	3768110	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6725	481629.2	3768114	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
6726	481637.6	3768117	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6727	481646.1	3768121	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
6728	481654.6	3768124	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
6729	481663	3768128	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6730	481671.5	3768132	2.79E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
6731	481680	3768135	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
6732	481688.4	3768139	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
6733	481696.9	3768142	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6734	481705.4	3768146	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6735	481713.9	3768149	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
6736	481725.8	3768161	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6737	481729.2	3768170	3.44E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
6738	481732.7	3768178	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6739	481736.2	3768187	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6740	481739.6	3768195	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
6741	481743.1	3768204	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
6742	481746.5	3768212	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
6743	481750	3768221	4.57E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
6744	481753.5	3768229	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
6745	481756.9	3768238	4.97E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
6746	481760.4	3768247	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
6747	481763.8	3768255	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
6748	481767.3	3768264	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
6749	481770.7	3768272	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6750	481774.2	3768281	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
6751	481777.7	3768289	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
6752	481781.1	3768298	6.21E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00
6753	481784.6	3768306	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
6754	481788	3768315	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
6755	481791.5	3768323	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
6756	481518	3768071	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
6757	481508.5	3768071	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6758	481499	3768071	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6759	481489.5	3768071	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
6760	481480	3768071	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6761	481470.5	3768071	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
6762	481461	3768071	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
6763	481451.5	3768071	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6764	481442	3768071	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
6765	481432.5	3768071	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
6766	481423	3768071	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
6767	481413.4	3768071	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
6768	481403.9	3768071	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6769	481394.4	3768071	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
6770	481384.9	3768071	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
6771	481375.4	3768070	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
6772	481365.9	3768070	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6773	481356.4	3768070	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
6774	481346.9	3768070	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
6775	481337.4	3768070	9.97E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
6776	481552.8	3768072	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6777	481561.2	3768075	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6778	481569.6	3768079	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6779	481578	3768082	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
6780	481586.4	3768086	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6781	481594.8	3768090	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00

6782	481603.2	3768093	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6783	481611.6	3768097	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
6784	481620	3768100	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
6785	481628.5	3768104	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
6786	481636.9	3768107	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6787	481645.3	3768111	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6788	481653.7	3768114	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6789	481662.1	3768118	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6790	481670.5	3768121	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6791	481678.9	3768125	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
6792	481687.3	3768128	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
6793	481695.7	3768132	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6794	481704.1	3768135	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6795	481712.5	3768139	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6796	481720.9	3768142	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6797	481732.7	3768154	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6798	481736.2	3768163	3.28E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
6799	481743	3768180	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6800	481746.5	3768188	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6801	481749.9	3768197	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
6802	481756.8	3768214	4.33E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
6803	481760.2	3768222	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
6804	481763.7	3768230	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00
6805	481767.1	3768239	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
6806	481774	3768256	5.25E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00
6807	481777.4	3768264	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
6808	481780.8	3768273	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
6809	481787.7	3768290	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
6810	481791.1	3768298	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
6811	481794.6	3768306	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
6812	481798	3768315	6.25E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
6813	481518.1	3768061	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
6814	481508.6	3768061	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
6815	481499.1	3768061	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
6816	481489.6	3768061	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
6817	481480	3768061	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
6818	481470.5	3768061	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
6819	481461	3768061	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
6820	481451.5	3768061	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
6821	481442	3768061	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6822	481432.5	3768061	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6823	481423	3768061	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
6824	481413.5	3768061	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
6825	481404	3768061	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
6826	481394.5	3768061	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6827	481385	3768061	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
6828	481375.4	3768061	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
6829	481365.9	3768061	9.93E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
6830	481356.4	3768061	9.77E-04	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00
6831	481346.9	3768061	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
6832	481337.4	3768060	9.49E-04	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00
6833	481553.7	3768062	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6834	481562.4	3768066	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6835	481571.1	3768070	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
6836	481579.8	3768073	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6837	481588.5	3768077	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
6838	481597.2	3768081	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6839	481605.9	3768084	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6840	481623.3	3768092	2.07E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
6841	481632	3768095	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6842	481640.7	3768099	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6843	481649.4	3768103	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6844	481658.1	3768106	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6845	481666.8	3768110	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
6846	481675.4	3768114	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6847	481684.1	3768117	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6848	481692.8	3768121	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6849	481701.5	3768124	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6850	481710.2	3768128	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6851	481718.9	3768132	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6852	481727.6	3768135	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6853	481739.9	3768148	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6854	481743.4	3768157	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
6855	481747	3768165	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
6856	481750.5	3768174	3.47E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
6857	481754.1	3768183	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
6858	481757.6	3768191	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6859	481761.2	3768200	3.99E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
6860	481764.7	3768209	4.17E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
6861	481768.3	3768218	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
6862	481771.8	3768226	4.53E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6863	481775.4	3768235	4.71E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
6864	481778.9	3768244	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
6865	481782.5	3768253	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
6866	481786	3768261	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
6867	481789.6	3768270	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
6868	481793.1	3768279	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
6869	481796.7	3768288	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00
6870	481800.2	3768296	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
6871	481803.8	3768305	5.93E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
6872	481807.4	3768314	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00

6873	481810.9	3768323	6.12E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
6874	481518.1	3768051	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6875	481508.6	3768051	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6876	481499.1	3768051	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
6877	481489.6	3768051	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
6878	481480.1	3768051	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
6879	481470.6	3768051	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6880	481461.1	3768051	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
6881	481451.6	3768051	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6882	481442.1	3768051	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
6883	481432.5	3768051	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
6884	481423	3768051	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
6885	481413.5	3768051	1.04E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
6886	481404	3768051	1.02E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
6887	481394.5	3768051	9.96E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
6888	481385	3768051	9.78E-04	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00
6889	481375.5	3768051	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
6890	481366	3768051	9.46E-04	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00
6891	481356.5	3768051	9.31E-04	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
6892	481347	3768051	9.18E-04	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00
6893	481337.5	3768051	9.05E-04	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00
6894	481553.5	3768052	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6895	481562.2	3768056	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
6896	481570.8	3768060	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
6897	481579.4	3768063	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6898	481588.1	3768067	1.67E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6899	481596.7	3768071	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6900	481605.3	3768074	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
6901	481613.9	3768078	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6902	481622.6	3768081	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
6903	481631.2	3768085	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6904	481639.8	3768089	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
6905	481648.4	3768092	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6906	481657.1	3768096	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6907	481665.7	3768100	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6908	481674.3	3768103	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
6909	481682.9	3768107	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6910	481691.6	3768110	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
6911	481700.2	3768114	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
6912	481708.8	3768118	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
6913	481717.4	3768121	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
6914	481726.1	3768125	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
6915	481734.7	3768129	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6916	481746.8	3768141	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6917	481750.4	3768149	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
6918	481753.9	3768158	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
6919	481757.4	3768167	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
6920	481760.9	3768175	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
6921	481764.5	3768184	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6922	481768	3768193	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
6923	481771.5	3768201	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
6924	481775	3768210	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
6925	481778.5	3768219	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
6926	481782.1	3768227	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
6927	481785.6	3768236	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
6928	481789.1	3768245	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6929	481792.6	3768253	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
6930	481796.2	3768262	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
6931	481799.7	3768271	5.26E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
6932	481803.2	3768279	5.40E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00
6933	481806.7	3768288	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
6934	481810.3	3768297	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00
6935	481813.8	3768305	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
6936	481817.3	3768314	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
6937	481820.8	3768323	5.92E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
6938	481518.2	3768042	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6939	481508.7	3768042	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
6940	481499.1	3768041	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
6941	481489.6	3768041	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
6942	481480.1	3768041	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
6943	481470.6	3768041	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6944	481461.1	3768041	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
6945	481451.6	3768041	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
6946	481442.1	3768041	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6947	481432.6	3768041	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
6948	481423.1	3768041	1.01E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
6949	481413.6	3768041	9.86E-04	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
6950	481404.1	3768041	9.67E-04	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00
6951	481394.5	3768041	9.49E-04	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00
6952	481385	3768041	9.33E-04	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00
6953	481375.5	3768041	9.17E-04	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00
6954	481366	3768041	9.03E-04	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00
6955	481356.5	3768041	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
6956	481347	3768041	8.76E-04	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00
6957	481337.5	3768041	8.65E-04	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00
6958	481553.2	3768022	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
6959	481561.6	3768026	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
6960	481570.1	3768029	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
6961	481578.5	3768033	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6962	481587	3768036	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
6963	481595.5	3768040	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00

6964	481603.9	3768044	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
6965	481612.4	3768047	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6966	481620.8	3768051	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6967	481629.3	3768054	1.66E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
6968	481637.8	3768058	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6969	481646.2	3768061	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
6970	481654.7	3768065	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6971	481663.1	3768068	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
6972	481671.6	3768072	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
6973	481680.1	3768076	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6974	481688.5	3768079	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
6975	481697	3768083	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6976	481705.4	3768086	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6977	481713.9	3768090	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
6978	481722.4	3768093	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
6979	481730.8	3768097	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6980	481739.3	3768100	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6981	481747.7	3768104	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
6982	481756.2	3768108	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6983	481768.1	3768120	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
6984	481771.6	3768128	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6985	481775	3768137	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6986	481778.5	3768145	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6987	481781.9	3768154	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6988	481785.4	3768162	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6989	481788.8	3768171	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
6990	481792.3	3768179	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
6991	481795.7	3768188	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
6992	481799.2	3768196	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
6993	481802.7	3768205	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
6994	481806.1	3768213	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
6995	481809.6	3768222	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
6996	481813	3768230	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
6997	481816.5	3768239	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
6998	481819.9	3768247	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
6999	481823.4	3768256	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
7000	481826.8	3768264	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
7001	481830.3	3768273	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
7002	481833.8	3768281	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
7003	481837.2	3768290	5.08E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
7004	481840.7	3768298	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
7005	481844.1	3768307	5.25E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
7006	481847.6	3768315	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
7007	481851	3768324	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
7008	481518.3	3768012	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
7009	481508.8	3768012	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7010	481499.3	3768011	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7011	481489.8	3768011	1.00E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7012	481480.3	3768011	9.84E-04	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00
7013	481470.7	3768011	9.64E-04	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00
7014	481461.2	3768011	9.44E-04	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00
7015	481451.7	3768011	9.25E-04	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00
7016	481442.2	3768011	9.07E-04	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00
7017	481432.7	3768011	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
7018	481423.2	3768011	8.72E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00
7019	481413.7	3768011	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00
7020	481404.2	3768011	8.41E-04	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00
7021	481394.7	3768011	8.27E-04	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00
7022	481385.2	3768011	8.13E-04	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00
7023	481375.7	3768011	8.01E-04	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00
7024	481366.1	3768011	7.89E-04	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00
7025	481356.6	3768011	7.78E-04	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00
7026	481347.1	3768011	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
7027	481337.6	3768011	7.58E-04	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00
7028	481553.7	3767992	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7029	481562.3	3767996	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7030	481570.9	3768000	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
7031	481579.5	3768003	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
7032	481588.1	3768007	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7033	481596.7	3768010	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
7034	481605.3	3768014	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
7035	481613.9	3768018	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7036	481622.5	3768021	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
7037	481631.1	3768025	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7038	481639.7	3768029	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
7039	481648.3	3768032	1.51E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
7040	481657	3768036	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
7041	481665.6	3768039	1.60E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
7042	481674.2	3768043	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
7043	481682.8	3768047	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7044	481691.4	3768050	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
7045	481700	3768054	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
7046	481708.6	3768057	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
7047	481717.2	3768061	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
7048	481725.8	3768065	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7049	481734.4	3768068	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
7050	481743	3768072	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
7051	481751.6	3768076	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
7052	481760.2	3768079	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
7053	481768.8	3768083	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
7054	481777.4	3768086	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00

7055	481789.5	3768099	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
7056	481793	3768107	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7057	481796.5	3768116	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
7058	481800	3768125	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7059	481803.5	3768133	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7060	481807.1	3768142	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7061	481810.6	3768150	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
7062	481814.1	3768159	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
7063	481817.6	3768168	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
7064	481821.1	3768176	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
7065	481824.6	3768185	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
7066	481828.1	3768194	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
7067	481831.7	3768202	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
7068	481835.2	3768211	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
7069	481838.7	3768220	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00
7070	481842.2	3768228	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
7071	481845.7	3768237	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
7072	481849.2	3768246	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
7073	481852.7	3768254	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
7074	481856.3	3768263	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
7075	481859.8	3768271	4.49E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
7076	481863.3	3768280	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00
7077	481866.8	3768289	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
7078	481870.3	3768297	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00
7079	481873.8	3768306	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00
7080	481877.3	3768315	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
7081	481880.9	3768323	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
7082	481518.4	3767982	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
7083	481508.9	3767982	9.08E-04	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00
7084	481499.4	3767981	8.91E-04	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00
7085	481489.9	3767981	8.73E-04	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00
7086	481480.4	3767981	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00
7087	481470.9	3767981	8.40E-04	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00
7088	481461.4	3767981	8.24E-04	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00
7089	481451.8	3767981	8.08E-04	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00
7090	481442.3	3767981	7.93E-04	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00
7091	481432.8	3767981	7.79E-04	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00
7092	481423.3	3767981	7.66E-04	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00
7093	481413.8	3767981	7.52E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00
7094	481404.3	3767981	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00
7095	481394.8	3767981	7.28E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
7096	481385.3	3767981	7.17E-04	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00
7097	481375.8	3767981	7.07E-04	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00
7098	481366.3	3767981	6.97E-04	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00
7099	481356.8	3767981	6.87E-04	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00
7100	481347.3	3767981	6.79E-04	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
7101	481337.7	3767981	6.71E-04	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00
7102	481554.2	3767963	9.13E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00
7103	481563	3767966	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00
7104	481571.7	3767970	9.75E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00
7105	481580.4	3767974	1.01E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7106	481589.1	3767977	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7107	481597.9	3767981	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
7108	481606.6	3767985	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
7109	481615.3	3767988	1.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
7110	481624	3767992	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
7111	481632.8	3767996	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7112	481641.5	3767999	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
7113	481650.2	3768003	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7114	481659	3768007	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7115	481667.7	3768010	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7116	481676.4	3768014	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
7117	481685.1	3768018	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7118	481693.9	3768021	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
7119	481702.6	3768025	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
7120	481711.3	3768029	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
7121	481720	3768032	1.56E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
7122	481728.8	3768036	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
7123	481737.5	3768040	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7124	481746.2	3768043	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
7125	481755	3768047	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
7126	481763.7	3768051	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
7127	481772.4	3768054	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
7128	481781.1	3768058	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7129	481789.9	3768062	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
7130	481798.6	3768065	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
7131	481810.9	3768078	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7132	481814.4	3768086	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
7133	481818	3768095	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
7134	481821.6	3768104	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
7135	481825.1	3768113	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
7136	481828.7	3768122	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7137	481832.3	3768130	2.53E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
7138	481835.8	3768139	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
7139	481839.4	3768148	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
7140	481843	3768157	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
7141	481846.5	3768165	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
7142	481850.1	3768174	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
7143	481853.7	3768183	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
7144	481857.2	3768192	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
7145	481860.8	3768200	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00

7146	481864.4	3768209	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
7147	481867.9	3768218	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
7148	481871.5	3768227	3.69E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
7149	481875	3768235	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
7150	481878.6	3768244	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
7151	481882.2	3768253	3.99E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
7152	481885.7	3768262	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
7153	481889.3	3768271	4.16E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00
7154	481892.9	3768279	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
7155	481896.4	3768288	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
7156	481900	3768297	4.35E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
7157	481903.6	3768306	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
7158	481907.1	3768314	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
7159	481910.7	3768323	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
7160	481518.5	3767952	8.11E-04	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00
7161	481509	3767952	7.96E-04	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00
7162	481499.5	3767951	7.82E-04	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00
7163	481490	3767951	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
7164	481480.5	3767951	7.53E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00
7165	481471	3767951	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00
7166	481461.5	3767951	7.26E-04	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00
7167	481452	3767951	7.14E-04	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00
7168	481442.5	3767951	7.01E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00
7169	481433	3767951	6.90E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00
7170	481423.4	3767951	6.78E-04	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
7171	481413.9	3767951	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00
7172	481404.4	3767951	6.57E-04	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
7173	481394.9	3767951	6.47E-04	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00
7174	481385.4	3767951	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
7175	481375.9	3767951	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
7176	481366.4	3767951	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
7177	481356.9	3767951	6.13E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00
7178	481347.4	3767951	6.06E-04	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
7179	481337.9	3767951	5.99E-04	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00
7180	481596.9	3767950	9.33E-04	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00
7181	481605.4	3767954	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
7182	481614	3767958	9.91E-04	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
7183	481622.6	3767961	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7184	481631.2	3767965	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
7185	481639.8	3767968	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7186	481648.4	3767972	1.12E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
7187	481656.9	3767976	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7188	481665.5	3767979	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
7189	481674.1	3767983	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
7190	481682.7	3767986	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7191	481691.3	3767990	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7192	481699.9	3767994	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
7193	481708.5	3767997	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7194	481717	3768001	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7195	481725.6	3768005	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7196	481734.2	3768008	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
7197	481742.8	3768012	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7198	481751.4	3768015	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7199	481760	3768019	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7200	481768.6	3768023	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
7201	481777.1	3768026	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
7202	481785.7	3768030	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
7203	481794.3	3768033	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
7204	481802.9	3768037	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7205	481811.5	3768041	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
7206	481820.1	3768044	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7207	481832.2	3768056	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
7208	481835.7	3768065	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
7209	481839.2	3768074	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7210	481842.7	3768082	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
7211	481846.2	3768091	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7212	481849.7	3768100	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
7213	481853.2	3768108	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7214	481856.7	3768117	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
7215	481860.2	3768125	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
7216	481863.7	3768134	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
7217	481867.2	3768143	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
7218	481870.7	3768151	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
7219	481874.2	3768160	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
7220	481877.7	3768169	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
7221	481881.3	3768177	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
7222	481884.8	3768186	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
7223	481888.3	3768194	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
7224	481891.8	3768203	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
7225	481895.3	3768212	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
7226	481898.8	3768220	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
7227	481902.3	3768229	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
7228	481905.8	3768238	3.58E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00
7229	481909.3	3768246	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00
7230	481912.8	3768255	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
7231	481916.3	3768263	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
7232	481919.8	3768272	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
7233	481923.3	3768281	3.93E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
7234	481926.8	3768289	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
7235	481930.4	3768298	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00
7236	481571.8	3767910	7.53E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00

7237	481580.5	3767914	7.76E-04	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
7238	481589.2	3767917	7.99E-04	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00
7239	481597.8	3767921	8.24E-04	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00
7240	481606.5	3767924	8.48E-04	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00
7241	481615.2	3767928	8.73E-04	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00
7242	481667.4	3767950	1.04E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
7243	481676.1	3767954	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7244	481684.8	3767957	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
7245	481693.5	3767961	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7246	481702.2	3767965	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
7247	481710.9	3767968	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
7248	481719.6	3767972	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
7249	481728.3	3767976	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7250	481737	3767979	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7251	481745.7	3767983	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
7252	481754.3	3767987	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
7253	481763	3767990	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7254	481771.7	3767994	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7255	481780.4	3767997	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7256	481789.1	3768001	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7257	481797.8	3768005	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7258	481806.5	3768008	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
7259	481815.2	3768012	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7260	481823.9	3768016	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7261	481832.6	3768019	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
7262	481841.3	3768023	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
7263	481853.5	3768035	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
7264	481857.1	3768044	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
7265	481860.6	3768053	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
7266	481864.2	3768062	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7267	481867.7	3768070	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
7268	481871.3	3768079	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
7269	481874.8	3768088	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
7270	481878.4	3768097	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7271	481881.9	3768105	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
7272	481885.5	3768114	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7273	481889.1	3768123	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
7274	481892.6	3768132	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7275	481896.2	3768140	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
7276	481899.7	3768149	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7277	481903.3	3768158	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7278	481906.8	3768166	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
7279	481910.4	3768175	2.80E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7280	481913.9	3768184	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
7281	481917.5	3768193	2.97E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7282	481921	3768201	3.05E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
7283	481924.6	3768210	3.13E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
7284	481928.1	3768219	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
7285	481953	3768280	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00
7286	481956.5	3768289	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
7287	481960.1	3768298	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
7288	481963.6	3768306	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
7289	481967.2	3768315	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
7290	481970.7	3768324	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
7291	481974.3	3768332	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
7292	481528.3	3767892	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
7293	481518.8	3767892	6.39E-04	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00
7294	481509.3	3767892	6.29E-04	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
7295	481499.8	3767891	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
7296	481490.3	3767891	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
7297	481480.8	3767891	5.98E-04	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00
7298	481471.2	3767891	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
7299	481461.7	3767891	5.80E-04	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00
7300	481452.2	3767891	5.71E-04	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00
7301	481442.7	3767891	5.62E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
7302	481433.2	3767891	5.54E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00
7303	481423.7	3767891	5.46E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00
7304	481414.2	3767891	5.38E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00
7305	481404.7	3767891	5.31E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00
7306	481395.2	3767891	5.24E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00
7307	481385.7	3767891	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00
7308	481376.2	3767891	5.11E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00
7309	481366.6	3767891	5.05E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00
7310	481357.1	3767891	4.99E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00
7311	481347.6	3767891	4.94E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00
7312	481338.1	3767891	4.89E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00
7313	481554.1	3767872	6.33E-04	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00
7314	481562.7	3767876	6.50E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00
7315	481571.3	3767880	6.69E-04	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
7316	481605.6	3767894	7.48E-04	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00
7317	481614.1	3767898	7.70E-04	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00
7318	481622.7	3767901	7.92E-04	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00
7319	481631.3	3767905	8.13E-04	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00
7320	481639.9	3767908	8.35E-04	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00
7321	481648.4	3767912	8.58E-04	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00
7322	481657	3767916	8.81E-04	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00
7323	481665.6	3767919	9.04E-04	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00
7324	481674.2	3767923	9.29E-04	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00
7325	481682.7	3767926	9.18E-04	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00
7326	481691.3	3767930	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00
7327	481734.2	3767948	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00

7328	481742.7	3767952	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7329	481751.3	3767955	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
7330	481759.9	3767959	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
7331	481768.4	3767962	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7332	481777	3767966	1.18E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7333	481785.6	3767970	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7334	481794.2	3767973	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7335	481802.7	3767977	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
7336	481811.3	3767980	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7337	481819.9	3767984	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
7338	481828.5	3767988	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
7339	481837	3767991	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7340	481845.6	3767995	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7341	481854.2	3767998	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7342	481862.7	3768002	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
7343	481874.8	3768014	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
7344	481878.3	3768023	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
7345	481881.8	3768031	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
7346	481885.3	3768040	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7347	481888.8	3768049	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7348	481892.3	3768057	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
7349	481895.8	3768066	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7350	481899.3	3768075	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7351	481902.8	3768083	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7352	481906.3	3768092	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7353	481909.8	3768100	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
7354	481913.3	3768109	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
7355	481916.8	3768118	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7356	481920.3	3768126	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
7357	481923.8	3768135	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
7358	481927.3	3768143	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
7359	481930.8	3768152	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
7360	481951.9	3768204	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
7361	481955.4	3768212	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
7362	481958.9	3768221	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
7363	481962.4	3768230	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
7364	481965.9	3768238	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
7365	481969.4	3768247	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
7366	481972.9	3768255	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
7367	481976.4	3768264	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
7368	481979.9	3768273	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
7369	481983.4	3768281	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
7370	481986.9	3768290	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
7371	481990.4	3768298	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
7372	481993.9	3768307	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
7373	481997.4	3768316	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
7374	482000.9	3768324	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
7375	481528.4	3767862	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00
7376	481518.9	3767862	5.74E-04	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
7377	481509.4	3767862	5.65E-04	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00
7378	481499.9	3767861	5.56E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00
7379	481490.4	3767861	5.48E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00
7380	481480.9	3767861	5.39E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00
7381	481471.4	3767861	5.31E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00
7382	481461.9	3767861	5.23E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00
7383	481452.3	3767861	5.16E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00
7384	481442.8	3767861	5.09E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00
7385	481433.3	3767861	5.01E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00
7386	481423.8	3767861	4.95E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00
7387	481414.3	3767861	4.88E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00
7388	481404.8	3767861	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
7389	481395.3	3767861	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
7390	481385.8	3767861	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00
7391	481376.3	3767861	4.64E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
7392	481366.8	3767861	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00
7393	481357.3	3767861	4.54E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
7394	481347.7	3767861	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00
7395	481338.2	3767861	4.45E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
7396	481563.2	3767846	5.85E-04	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
7397	481571.9	3767850	6.00E-04	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
7398	481580.6	3767853	6.17E-04	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00
7399	481589.2	3767857	6.34E-04	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00
7400	481597.9	3767861	6.51E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00
7401	481632.6	3767875	7.26E-04	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00
7402	481641.2	3767879	7.45E-04	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00
7403	481649.9	3767883	7.64E-04	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00
7404	481658.6	3767886	7.84E-04	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00
7405	481667.3	3767890	8.05E-04	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00
7406	481675.9	3767893	8.26E-04	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00
7407	481684.6	3767897	8.17E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00
7408	481693.3	3767901	8.35E-04	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00
7409	481701.9	3767904	8.54E-04	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00
7410	481710.6	3767908	8.74E-04	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00
7411	481719.3	3767912	8.94E-04	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00
7412	481727.9	3767915	9.15E-04	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00
7413	481736.6	3767919	9.35E-04	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00
7414	481745.3	3767923	9.56E-04	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00
7415	481753.9	3767926	9.77E-04	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00
7416	481762.6	3767930	9.99E-04	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
7417	481806	3767948	1.11E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
7418	481814.6	3767952	1.13E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00

7419	481823.3	3767955	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
7420	481832	3767959	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7421	481840.6	3767963	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7422	481849.3	3767966	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
7423	481858	3767970	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7424	481866.6	3767974	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
7425	481875.3	3767977	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7426	481884	3767981	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
7427	481896.2	3767993	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
7428	481899.7	3768002	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
7429	481903.3	3768011	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
7430	481906.8	3768019	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7431	481910.4	3768028	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
7432	481913.9	3768037	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
7433	481917.4	3768045	1.64E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
7434	481921	3768054	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7435	481924.5	3768063	1.75E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
7436	481928.1	3768072	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7437	481931.6	3768080	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
7438	481952.9	3768133	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7439	481956.4	3768141	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
7440	481959.9	3768150	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
7441	481963.5	3768159	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7442	481967	3768167	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
7443	481970.6	3768176	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
7444	481974.1	3768185	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7445	481977.6	3768194	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
7446	481981.2	3768202	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7447	481984.7	3768211	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7448	481988.3	3768220	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
7449	481991.8	3768228	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
7450	481995.4	3768237	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7451	481998.9	3768246	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7452	482002.4	3768255	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
7453	482006	3768263	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
7454	482009.5	3768272	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
7455	482013.1	3768281	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
7456	482016.6	3768289	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
7457	482020.1	3768298	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
7458	482023.7	3768307	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
7459	482027.2	3768316	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00
7460	482030.8	3768324	3.25E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00
7461	481528.5	3767832	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
7462	481519	3767832	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
7463	481509.5	3767832	5.11E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00
7464	481500	3767831	5.04E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00
7465	481490.5	3767831	4.96E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00
7466	481481	3767831	4.89E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00
7467	481471.5	3767831	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
7468	481462	3767831	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00
7469	481452.5	3767831	4.69E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00
7470	481443	3767831	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
7471	481433.5	3767831	4.57E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00
7472	481423.9	3767831	4.51E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
7473	481414.4	3767831	4.45E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
7474	481404.9	3767831	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
7475	481395.4	3767831	4.35E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
7476	481385.9	3767831	4.30E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00
7477	481376.4	3767831	4.25E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00
7478	481366.9	3767831	4.20E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
7479	481357.4	3767831	4.16E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00
7480	481347.9	3767831	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
7481	481338.4	3767831	4.08E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
7482	481563.7	3767816	5.28E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
7483	481572.5	3767820	5.42E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00
7484	481581.2	3767824	5.56E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00
7485	481590	3767827	5.71E-04	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00
7486	481598.7	3767831	5.86E-04	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00
7487	481607.5	3767835	6.02E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00
7488	481616.2	3767838	6.17E-04	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00
7489	481625	3767842	6.33E-04	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00
7490	481660	3767857	7.02E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00
7491	481668.8	3767860	7.20E-04	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00
7492	481677.5	3767864	7.13E-04	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00
7493	481686.3	3767868	7.29E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
7494	481695.1	3767871	7.47E-04	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00
7495	481703.8	3767875	7.65E-04	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00
7496	481712.6	3767879	7.83E-04	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00
7497	481721.3	3767883	8.01E-04	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00
7498	481730.1	3767886	8.18E-04	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00
7499	481738.8	3767890	8.35E-04	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00
7500	481747.6	3767894	8.53E-04	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00
7501	481756.4	3767897	8.72E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00
7502	481765.1	3767901	8.92E-04	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00
7503	481773.9	3767905	9.12E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00
7504	481782.6	3767908	9.31E-04	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00
7505	481791.4	3767912	9.48E-04	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.62E-05	0.00E+00	0.00E+00
7506	481800.1	3767916	9.66E-04	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00
7507	481808.9	3767919	9.85E-04	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00
7508	481817.7	3767923	1.00E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7509	481826.4	3767927	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00

7510	481835.2	3767930	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7511	481879	3767949	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
7512	481887.7	3767952	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7513	481896.5	3767956	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7514	481905.2	3767960	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7515	481917.6	3767972	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
7516	481921.1	3767981	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
7517	481924.7	3767990	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7518	481928.3	3767999	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
7519	481931.9	3768007	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7520	481953.3	3768060	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
7521	481956.9	3768069	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
7522	481960.5	3768078	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7523	481964.1	3768087	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7524	481967.6	3768095	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
7525	481971.2	3768104	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
7526	481974.8	3768113	2.03E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
7527	481978.4	3768122	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7528	481982	3768131	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7529	481985.5	3768139	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7530	481989.1	3768148	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
7531	481992.7	3768157	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7532	481996.3	3768166	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
7533	481999.8	3768175	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7534	482003.4	3768183	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
7535	482007	3768192	2.55E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7536	482010.6	3768201	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
7537	482014.2	3768210	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
7538	482017.7	3768219	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
7539	482021.3	3768227	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7540	482024.9	3768236	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7541	482028.5	3768245	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
7542	482032	3768254	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
7543	482035.6	3768263	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
7544	482039.2	3768271	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
7545	482042.8	3768280	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7546	482046.3	3768289	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
7547	482049.9	3768298	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
7548	482053.5	3768307	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7549	482057.1	3768315	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7550	482060.7	3768324	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7561	481433.6	3767801	4.18E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00
7562	481424.1	3767801	4.13E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00
7563	481414.6	3767801	4.08E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
7564	481405.1	3767801	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
7565	481395.5	3767801	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
7566	481386	3767801	3.95E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00
7567	481376.5	3767801	3.90E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00
7568	481367	3767801	3.86E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00
7569	481357.5	3767801	3.83E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
7570	481348	3767801	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
7571	481338.5	3767801	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
7573	481563.4	3767786	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
7574	481572	3767790	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
7575	481580.7	3767793	5.03E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00
7576	481589.3	3767797	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00
7577	481598	3767801	5.28E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
7578	481606.6	3767804	5.41E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
7579	481615.3	3767808	5.55E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00
7580	481623.9	3767812	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
7581	481632.6	3767815	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00
7582	481641.2	3767819	5.97E-04	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00
7583	481649.9	3767822	6.12E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
7584	481658.5	3767826	6.27E-04	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00
7585	481693.1	3767841	6.65E-04	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00
7586	481701.8	3767844	6.81E-04	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00
7587	481710.4	3767848	6.97E-04	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00
7588	481719.1	3767852	7.14E-04	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00
7589	481727.7	3767855	7.30E-04	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00
7590	481736.4	3767859	7.45E-04	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00
7591	481745	3767862	7.61E-04	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00
7592	481753.7	3767866	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
7593	481762.3	3767870	7.93E-04	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00
7594	481771	3767873	8.09E-04	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00
7595	481779.6	3767877	8.26E-04	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00
7596	481788.3	3767881	8.41E-04	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00
7597	481796.9	3767884	8.57E-04	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00
7598	481805.6	3767888	8.72E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00
7599	481814.2	3767891	8.88E-04	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00
7600	481822.9	3767895	9.04E-04	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00
7601	481831.5	3767899	9.21E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
7602	481840.2	3767902	9.38E-04	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00
7603	481848.8	3767906	9.55E-04	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
7604	481857.5	3767910	9.71E-04	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
7605	481866.1	3767913	9.88E-04	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
7606	481874.8	3767917	1.01E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7607	481883.4	3767921	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7608	481892.1	3767924	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7609	481900.7	3767928	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
7610	481953	3767986	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7611	481956.5	3767994	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00

7612	481960.1	3768003	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7613	481963.6	3768012	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7614	481967.1	3768021	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7615	481970.7	3768029	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
7616	481974.2	3768038	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
7617	481977.7	3768047	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
7618	481981.3	3768055	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7619	481984.8	3768064	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
7620	481988.3	3768073	1.73E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
7621	481991.9	3768081	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
7622	481995.4	3768090	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
7623	481998.9	3768099	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
7624	482002.5	3768107	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7625	482006	3768116	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
7626	482009.5	3768125	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
7627	482013.1	3768134	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7628	482016.6	3768142	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7629	482020.1	3768151	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
7630	482023.7	3768160	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7631	482027.2	3768168	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
7632	482030.7	3768177	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
7633	482034.3	3768186	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7634	482037.8	3768194	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7635	482041.3	3768203	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
7636	482044.9	3768212	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7637	482048.4	3768220	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
7638	482051.9	3768229	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7639	482055.5	3768238	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
7640	482059	3768247	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
7641	482062.5	3768255	2.71E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
7642	482066.1	3768264	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
7643	482069.6	3768273	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
7644	482073.1	3768281	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
7645	482076.7	3768290	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7646	482080.2	3768299	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7647	482083.7	3768307	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7648	482087.3	3768316	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7649	482090.8	3768325	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7650	482094.3	3768333	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7661	481433.7	3767771	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
7662	481424.2	3767771	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
7663	481414.7	3767771	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
7664	481405.2	3767771	3.72E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00
7665	481395.7	3767771	3.68E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
7666	481386.2	3767771	3.64E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
7667	481376.6	3767771	3.60E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00
7668	481367.1	3767771	3.57E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00
7669	481357.6	3767771	3.54E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00
7670	481348.1	3767771	3.50E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00
7671	481338.6	3767771	3.47E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00
7674	481572.6	3767760	4.48E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
7675	481581.3	3767764	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
7676	481590	3767767	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00
7677	481598.8	3767771	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
7678	481607.5	3767775	4.92E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00
7679	481616.2	3767778	5.04E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00
7680	481624.9	3767782	5.16E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00
7681	481633.7	3767786	5.29E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
7682	481642.4	3767789	5.42E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
7683	481651.1	3767793	5.55E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00
7684	481659.9	3767797	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
7685	481668.6	3767800	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
7686	481677.3	3767804	5.96E-04	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00
7687	481686	3767808	6.10E-04	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00
7688	481721	3767822	6.45E-04	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00
7689	481729.7	3767826	6.59E-04	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00
7690	481738.4	3767830	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00
7691	481747.2	3767833	6.86E-04	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00
7692	481755.9	3767837	7.00E-04	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00
7693	481764.6	3767841	7.14E-04	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00
7694	481773.3	3767844	7.28E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
7695	481782.1	3767848	7.43E-04	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00
7696	481790.8	3767852	7.59E-04	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00
7697	481799.5	3767855	7.74E-04	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00
7698	481808.3	3767859	7.89E-04	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00
7699	481817	3767863	8.03E-04	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00
7700	481825.7	3767866	8.18E-04	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00
7701	481834.4	3767870	8.33E-04	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00
7702	481843.2	3767874	8.48E-04	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00
7703	481851.9	3767877	8.62E-04	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00
7704	481860.6	3767881	8.77E-04	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00
7705	481869.4	3767885	8.92E-04	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00
7706	481878.1	3767888	9.07E-04	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00
7707	481886.8	3767892	9.23E-04	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00
7708	481895.6	3767896	9.39E-04	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00
7709	481904.3	3767899	9.54E-04	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
7710	481913	3767903	9.69E-04	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00
7711	481921.7	3767907	9.83E-04	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00
7712	481930.5	3767910	9.97E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
7713	481939.2	3767914	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
7714	481947.9	3767918	1.03E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00

7715	481960.2	3767930	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
7716	481970.9	3767956	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7717	481974.5	3767965	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7718	481978.1	3767974	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7719	481981.6	3767983	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7720	481985.2	3767991	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
7721	481988.8	3768000	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7722	481992.3	3768009	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7723	481995.9	3768018	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7724	481999.4	3768027	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7725	482003	3768035	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
7726	482006.6	3768044	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
7727	482010.1	3768053	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
7728	482013.7	3768062	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
7729	482017.3	3768070	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
7730	482020.8	3768079	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
7731	482024.4	3768088	1.76E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
7732	482028	3768097	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7733	482031.5	3768105	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
7734	482035.1	3768114	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
7735	482038.7	3768123	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
7736	482042.2	3768132	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7737	482045.8	3768141	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
7738	482049.4	3768149	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
7739	482052.9	3768158	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7740	482056.5	3768167	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
7741	482060.1	3768176	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7742	482063.6	3768184	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
7743	482067.2	3768193	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7744	482070.8	3768202	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
7745	482074.3	3768211	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
7746	482077.9	3768219	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7747	482081.5	3768228	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
7748	482085	3768237	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
7749	482088.6	3768246	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7750	482092.2	3768255	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7751	482095.7	3768263	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
7752	482099.3	3768272	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
7753	482102.9	3768281	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7754	482106.4	3768290	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7755	482110	3768298	2.63E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
7756	482113.6	3768307	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7757	482117.1	3768316	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7758	482120.7	3768325	2.63E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
7759	482124.3	3768333	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7760	482127.8	3768342	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7771	481433.8	3767741	3.55E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00
7772	481424.3	3767741	3.51E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00
7773	481414.8	3767741	3.48E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00
7774	481405.3	3767741	3.44E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00
7775	481395.8	3767741	3.40E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00
7776	481386.3	3767741	3.37E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00
7777	481376.8	3767741	3.34E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00
7778	481367.3	3767741	3.31E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00
7779	481357.8	3767741	3.28E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00
7780	481348.2	3767741	3.25E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00
7781	481338.7	3767741	3.22E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00

			UnMitigated			T2			T2L3			T4						UnMitigate	T2	T2L3	T4
			5.77E-02	0.00E+00	0.00E+00	5.71E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00				0.057724	0.05712	0.010488	0.005855
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	X	Y		Yr 1	Yr 1	Yr 1	Yr 1
176	481320	3768235	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481320	3768235		0.015702	0.015538	0.002853	0.001593
198	481291.6	3768236	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481291.6	3768236		0.015484	0.015322	0.002813	0.001571
199	481300.6	3768233	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481300.6	3768233		0.014996	0.014839	0.002725	0.001521
200	481309.7	3768229	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481309.7	3768229		0.014577	0.014424	0.002649	0.001479
201	481318.7	3768225	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481318.7	3768225		0.014212	0.014063	0.002582	0.001442
202	481327.7	3768222	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481327.7	3768222		0.013895	0.01375	0.002525	0.001409
223	481266.1	3768237	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481266.1	3768237		0.015287	0.015127	0.002778	0.001551
224	481274.9	3768233	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481274.9	3768233		0.014772	0.014618	0.002684	0.001498
225	481283.7	3768230	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481283.7	3768230		0.014303	0.014153	0.002599	0.001451
226	481292.6	3768226	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481292.6	3768226		0.013879	0.013734	0.002522	0.001408
227	481301.4	3768222	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481301.4	3768222		0.013504	0.013363	0.002454	0.00137
228	481310.3	3768219	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481310.3	3768219		0.013178	0.01304	0.002394	0.001337
229	481319.1	3768215	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481319.1	3768215		0.012892	0.012757	0.002343	0.001308
230	481328	3768212	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	481328	3768212		0.012642	0.01251	0.002297	0.001282
250	481241.3	3768237	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481241.3	3768237		0.015103	0.014945	0.002744	0.001532
251	481250	3768234	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481250	3768234		0.014585	0.014433	0.00265	0.001479
252	481258.7	3768230	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	481258.7	3768230		0.014105	0.013958	0.002563	0.001431
253	481267.4	3768227	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481267.4	3768227		0.013666	0.013523	0.002483	0.001386
254	481276	3768223	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481276	3768223		0.01326	0.013121	0.002409	0.001345
255	481284.7	3768219	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481284.7	3768219		0.012889	0.012755	0.002342	0.001307
256	481293.4	3768216	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481293.4	3768216		0.012556	0.012424	0.002281	0.001274
257	481302.1	3768212	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481302.1	3768212		0.012259	0.01213	0.002227	0.001243
258	481310.8	3768209	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481310.8	3768209		0.012001	0.011875	0.002181	0.001217
259	481319.5	3768205	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481319.5	3768205		0.011772	0.011649	0.002139	0.001194
260	481328.2	3768202	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481328.2	3768202		0.011573	0.011452	0.002103	0.001174
281	481234.3	3768230	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481234.3	3768230		0.013934	0.013789	0.002532	0.001413
282	481242.8	3768227	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481242.8	3768227		0.01348	0.013339	0.002449	0.001367
283	481251.4	3768223	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481251.4	3768223		0.013065	0.012929	0.002374	0.001325
284	481259.9	3768220	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481259.9	3768220		0.012685	0.012552	0.002305	0.001287
285	481268.5	3768216	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481268.5	3768216		0.012334	0.012205	0.002241	0.001251
286	481277	3768213	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481277	3768213		0.012008	0.011882	0.002182	0.001218
287	481285.6	3768209	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481285.6	3768209		0.011712	0.011589	0.002128	0.001188
288	481294.1	3768206	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481294.1	3768206		0.011443	0.011324	0.002079	0.001161
289	481302.7	3768202	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481302.7	3768202		0.011205	0.011088	0.002036	0.001137
290	481311.2	3768199	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481311.2	3768199		0.010996	0.010881	0.001998	0.001115
291	481319.8	3768195	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481319.8	3768195		0.01081	0.010697	0.001964	0.001097
292	481328.3	3768192	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481328.3	3768192		0.010646	0.010535	0.001934	0.00108
312	481215	3768236	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481215	3768236		0.014698	0.014544	0.002671	0.001491
313	481227.9	3768223	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481227.9	3768223		0.012879	0.012744	0.00234	0.001306
314	481237	3768219	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481237	3768219		0.012453	0.012322	0.002263	0.001263
315	481246.1	3768216	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481246.1	3768216		0.012065	0.011939	0.002192	0.001224
316	481255.1	3768212	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481255.1	3768212		0.011713	0.011591	0.002128	0.001188
317	481264.2	3768208	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481264.2	3768208		0.01139	0.011271	0.00207	0.001155
318	481273.3	3768204	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481273.3	3768204		0.011095	0.010979	0.002016	0.001125
319	481282.4	3768201	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481282.4	3768201		0.010823	0.010709	0.001966	0.001098
320	481291.5	3768197	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	481291.5	3768197		0.010576	0.010466	0.001922	0.001073
321	481300.6	3768193	1.04E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481300.6	3768193		0.010357	0.010249	0.001882	0.001051
322	481309.7	3768190	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481309.7	3768190		0.010166	0.01006	0.001847	0.001031
323	481318.7	3768186	1.00E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481318.7	3768186		0.009995	0.009891	0.001816	0.001014
324	481327.8	3768182	9.84E-03	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	481327.8	3768182		0.009845	0.009742	0.001789	0.000999
344	481204.4	3768237	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481204.4	3768237		0.014919	0.014763	0.002711	0.001513
345	481208.1	3768229	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481208.1	3768229		0.013553	0.013411	0.002463	0.001375
346	481220.8	3768216	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481220.8	3768216		0.01198	0.011855	0.002177	0.001215
347	481229.8	3768212	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481229.8	3768212		0.011607	0.011485	0.002109	0.001177
348	481238.7	3768209	1.13E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481238.7	3768209		0.011262	0.011144	0.002046	0.001142
349	481247.6	3768205	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481247.6	3768205		0.010951	0.010837	0.00199	0.001111
350	481256.6	3768201	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481256.6	3768201		0.010667	0.010555	0.001938	0.001082
351	481265.5	3768198	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481265.5	3768198		0.010406	0.010297	0.001891	0.001056
352	481274.4	3768194	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481274.4	3768194		0.010164	0.010058	0.001847	0.001031
353	481283.4	3768191	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481283.4	3768191		0.009941	0.009837	0.001806	0.001008
354	481292.3	3768187	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	481292.3	3768187		0.00974	0.009638	0.00177	0.000988
355	481301.2	3768183	9.56E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	481301.2	3768183		0.009559	0.009459	0.001737	0.00097
356	481310.2	3768180	9.40E-03	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	481310.2	3768180		0.009399	0.009301	0.001708	0.000953
357	481319.1	3768176	9.26E-03	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	481319.1	3768176		0.009256	0.009159	0.001682	0.000939
358	481328	3768172	9.13E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	481328	3768172		0.009129	0.009034	0.001659	0.000926
378	481193.8	3768239	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481193.8	3768239		0.0151	0.014942	0.002744	0.001532
379	481197.6	3768230	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481197.6	3768230		0.013727	0.013583	0.002494	0.001392
380	481201.3	3768221	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481201.3	3768221		0.012546	0.012414	0.00228	0.001273
381	481213.8	3768209	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481213.8	3768209		0.01118	0.011063	0.002031	0.001134
382	481222.6	3768206	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481222.6	3768206		0.010853	0.01074	0.001972	0.001101
383	481231.4	3768202	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	481231.4	3768202		0.010549	0.010438	0.001917	0.00107
384	481240.2	3768198	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481240.2	3768198		0.010267	0.01016	0.001865	0.001041
385	481249	3768195	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481249	3768195		0.010014	0.009909	0.001819	0.001016
386	481257.8	3768191	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	481257.8	3768191		0.009781	0.009679	0.001777	0.000992
387	481266.6	3768188	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	481266.6	3768188		0.009566	0.009466	0.001738	0.00097
388	481275.4	3768184	9.37E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	481275.4	3768184		0.009365	0.009267	0.001702	0.00095
389	481284.2	3768180	9.18E-03	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00	481284.2	3768180		0.00918	0.009084	0.001668	0.000931
390	481293	3768177	9.01E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	481293	3768177		0.009013	0.008918	0.001638	0.000914
391	481301.8	3768173	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	481301.8	3768173		0.008862	0.008769	0.00161	0.000899
392	481310.6	3768170	8.73E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	481310.6	3768170		0.008726	0.008635	0.001585	0.000885
393	481319.4	3768166	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	481319.4	3768166		0.008604	0.008514	0.001563	0.000873
394	481328.2	3768162	8.50E-03	0.00E+00	0.00E+00	8.41E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	481328.2	3768162		0.008497	0.008408	0.001544	0.000862
415	481187.1	3768232	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481187.1	3768232		0.013873	0.013728	0.002521	0.001407
416	481190.8	3768223	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481190.8	3768223		0.012685	0.012552	0.002305	0.001287
417	481194.4	3768214	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481194.4	3768214		0.011658	0.011536	0.002118	0.001183
418	481206.8	3768202	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481206.8	3768202		0.010462	0.010353	0.001901	0.001061
419	481215.4	3768199	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481215.4	3768199		0.010176	0.010069	0.001849	0.001032
420	481224.1	3768195	9.91E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481224.1	3768195		0.009906	0.009802	0.0018	0.001005
421	481232.8	3768192	9.66E-03	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	481232.8	3768192		0.009655	0.009554	0.001754	0.000979
422	481241.5	3768188	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	481241.5	3768188		0.009423	0.009325	0.001712	0.000956
423	481250.2	3768184	9.21E-03	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	481250.2	3768184		0.009214	0.009117	0.001674	0.000935
424	481258.9	3768181	9.02E-03	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	481258.9	3768181		0.00902	0.008925	0.001639	0.000915
425	481267.6	3768177	8.84E-03	0.00E+00	0.00E+00	8.75E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00

466	481172.9	3768218	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481172.9	3768218	0.012049	0.011923	0.002189	0.001222
467	481176.7	3768210	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481176.7	3768210	0.011068	0.010952	0.002011	0.001123
468	481180.5	3768201	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481180.5	3768201	0.010214	0.010107	0.001856	0.001036
469	481193.3	3768188	9.22E-03	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	481193.3	3768188	0.00922	0.009124	0.001675	0.000935
470	481202.2	3768184	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	481202.2	3768184	0.008985	0.008891	0.001633	0.000911
471	481211.2	3768181	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	481211.2	3768181	0.008765	0.008673	0.001593	0.000889
472	481220.2	3768177	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	481220.2	3768177	0.008553	0.008464	0.001554	0.000868
473	481229.2	3768173	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	481229.2	3768173	0.008357	0.008269	0.001518	0.000848
474	481238.2	3768170	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	481238.2	3768170	0.008173	0.008087	0.001485	0.000829
475	481247.2	3768166	8.01E-03	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	481247.2	3768166	0.008006	0.007923	0.001455	0.000812
476	481256.2	3768162	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	481256.2	3768162	0.007853	0.007771	0.001427	0.000797
477	481265.2	3768159	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	481265.2	3768159	0.00771	0.00763	0.001401	0.000782
478	481274.2	3768155	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	481274.2	3768155	0.007577	0.007498	0.001377	0.000769
479	481283.2	3768151	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	481283.2	3768151	0.007452	0.007374	0.001354	0.000756
480	481292.2	3768148	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	481292.2	3768148	0.007339	0.007262	0.001333	0.000744
481	481301.2	3768144	7.24E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	481301.2	3768144	0.007235	0.00716	0.001315	0.000734
482	481310.1	3768140	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	481310.1	3768140	0.007142	0.007068	0.001298	0.000725
483	481319.1	3768137	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	481319.1	3768137	0.007059	0.006985	0.001283	0.000716
484	481328.1	3768133	6.99E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	481328.1	3768133	0.006986	0.006913	0.001269	0.000709
500	481154.9	3768238	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481154.9	3768238	0.014595	0.014442	0.002652	0.00148
501	481158.6	3768229	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481158.6	3768229	0.013311	0.013172	0.002419	0.00135
502	481162.4	3768220	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481162.4	3768220	0.012185	0.012058	0.002214	0.001236
503	481166.1	3768211	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481166.1	3768211	0.0112	0.011083	0.002035	0.001136
504	481169.9	3768202	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481169.9	3768202	0.010339	0.010231	0.001879	0.001049
505	481173.6	3768193	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	481173.6	3768193	0.009584	0.009484	0.001741	0.000972
506	481186.2	3768181	8.70E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	481186.2	3768181	0.008695	0.008604	0.00158	0.000882
507	481195.1	3768177	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481195.1	3768177	0.008485	0.008397	0.001542	0.000861
508	481204	3768174	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	481204	3768174	0.008288	0.008202	0.001506	0.000841
509	481212.9	3768170	8.10E-03	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	481212.9	3768170	0.008101	0.008016	0.001472	0.000822
510	481221.7	3768167	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	481221.7	3768167	0.007923	0.00784	0.00144	0.000804
511	481230.6	3768163	7.76E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	481230.6	3768163	0.007755	0.007674	0.001409	0.000787
512	481239.5	3768159	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	481239.5	3768159	0.0076	0.007521	0.001381	0.000771
513	481248.4	3768156	7.46E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	481248.4	3768156	0.007459	0.007381	0.001355	0.000757
514	481257.3	3768152	7.33E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	481257.3	3768152	0.007327	0.00725	0.001331	0.000743
515	481266.1	3768148	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	481266.1	3768148	0.007205	0.007129	0.001309	0.000731
516	481275	3768145	7.09E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	481275	3768145	0.00709	0.007015	0.001288	0.000719
517	481283.9	3768141	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	481283.9	3768141	0.006982	0.006909	0.001269	0.000708
518	481292.8	3768138	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	481292.8	3768138	0.006883	0.006811	0.001251	0.000698
519	481301.7	3768134	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	481301.7	3768134	0.006793	0.006722	0.001234	0.000689
520	481310.5	3768130	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	481310.5	3768130	0.006712	0.006642	0.00122	0.000681
521	481319.4	3768127	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	481319.4	3768127	0.00664	0.00657	0.001206	0.000674
522	481328.3	3768123	6.58E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481328.3	3768123	0.006576	0.006507	0.001195	0.000667
538	481144.5	3768239	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481144.5	3768239	0.014688	0.014534	0.002669	0.00149
539	481148.2	3768230	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481148.2	3768230	0.01342	0.01328	0.002438	0.001361
540	481151.9	3768221	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481151.9	3768221	0.012301	0.012172	0.002235	0.001248
541	481155.6	3768213	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481155.6	3768213	0.011316	0.011198	0.002056	0.001148
542	481159.3	3768204	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481159.3	3768204	0.01045	0.010341	0.001899	0.00106
543	481163	3768195	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	481163	3768195	0.009689	0.009588	0.00176	0.000983
544	481166.7	3768186	9.02E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	481166.7	3768186	0.009017	0.008923	0.001638	0.000915
545	481179.2	3768174	8.22E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	481179.2	3768174	0.008219	0.008133	0.001493	0.000834
546	481188	3768170	8.03E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	481188	3768170	0.00803	0.007946	0.001459	0.000815
547	481196.8	3768167	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	481196.8	3768167	0.007853	0.00777	0.001427	0.000797
548	481205.6	3768163	7.68E-03	0.00E+00	0.00E+00	7.60E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	481205.6	3768163	0.007684	0.007603	0.001396	0.000779
549	481214.3	3768160	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	481214.3	3768160	0.007522	0.007444	0.001367	0.000763
550	481223.1	3768156	7.37E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	481223.1	3768156	0.00737	0.007293	0.001339	0.000748
551	481231.9	3768153	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	481231.9	3768153	0.007228	0.007153	0.001313	0.000733
552	481240.7	3768149	7.10E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	481240.7	3768149	0.007096	0.007022	0.001289	0.00072
553	481249.4	3768145	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481249.4	3768145	0.006974	0.006901	0.001267	0.000707
554	481258.2	3768142	6.86E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	481258.2	3768142	0.00686	0.006788	0.001246	0.000696
555	481267	3768138	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	481267	3768138	0.006754	0.006683	0.001227	0.000685
556	481275.8	3768135	6.65E-03	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	481275.8	3768135	0.006653	0.006583	0.001209	0.000675
557	481284.5	3768131	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	481284.5	3768131	0.006558	0.00649	0.001192	0.000665
558	481293.3	3768128	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	481293.3	3768128	0.006473	0.006405	0.001176	0.000657
559	481302.1	3768124	6.39E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	481302.1	3768124	0.006394	0.006328	0.001162	0.000649
560	481310.9	3768120	6.32E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	481310.9	3768120	0.006324	0.006258	0.001149	0.000641
561	481319.7	3768117	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	481319.7	3768117	0.00626	0.006195	0.001137	0.000635
562	481328.4	3768113	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	481328.4	3768113	0.006204	0.006139	0.001127	0.000629
581	481144.3	3768216	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481144.3	3768216	0.011662	0.01154	0.002119	0.001183
582	481148.1	3768207	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481148.1	3768207	0.010722	0.01061	0.001948	0.001088
583	481152	3768198	9.90E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481152	3768198	0.009897	0.009794	0.001798	0.001004
584	481155.8	3768189	9.17E-03	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	481155.8	3768189	0.009173	0.009077	0.001667	0.00093
585	481159.7	3768180	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	481159.7	3768180	0.008536	0.008446	0.001551	0.000866
586	481172.7	3768167	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	481172.7	3768167	0.007779	0.007698	0.001413	0.000789
587	481181.8	3768163	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	481181.8	3768163	0.007596	0.007517	0.00138	0.000771
588	481191	3768159	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	481191	3768159	0.007427	0.007349	0.001349	0.000753
589	481200.1	3768156	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	481200.1	3768156	0.007267	0.007191	0.00132	0.000737
590	481209.3	3768152	7.11E-03	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	481209.3	3768152	0.007115	0.00704	0.001293	0.000722
591	481218.4	3768148	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481218.4	3768148	0.006971	0.006898	0.001267	0.000707
592	481227.5	3768145	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	481227.5	3768145	0.006838	0.006766	0.001242	0.000694
593	481236.7	3768141	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	481236.7	3768141	0.006713	0.006643	0.00122	0.000681
594	481245.8	3768137	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	481245.8	3768137	0.006597	0.006528	0.001199	0.000669
595	481255	3768133	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	481255	3768133	0.006488	0.00642	0.001179	0.000658
596	481273.2	3768126	6.29E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	481273.2	3768126	0.00629	0.006224	0.001143	0.000638
597	481282.4	3768122	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	481282.4	3768122	0.006201	0.006136	0.001127	0.000629
598	481291.5	3768118	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	481291.5	3768118	0.00612	0.006056	0.001112	0.000621
599	481300.7	3768115	6.05E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	481300.7	3768115	0.006047	0.005984	0.001099	0.000613
600	481309.8	3768111	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	481309.8	3768111	0.00598	0.005918	0.001087	0.000607
601	481319	3768107	5.92E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	481319	3768107	0.005921	0.005859	0.001076	0.000601
602	481328.1	3768104	5.87E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	481328.1	3768104	0.005868	0.005806	0.001066	0.000595
623	481145.2	3768191	9.28E-03	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	481145.2	3768191	0.009282	0.009185	0.001686	0.000942
624	481149	3768182	8.64E-03	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	481149	3768182	0.008637	0.008547	0.001569	0.000876
625	481152.8	3768173	8.07E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	481152.8	3768173	0.008067	0.007983	0.001466	0.000818
626	481165.7	3768160	7.39E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	481165.7	3768160	0.007386	0.007308	0.001342	0.000749
627	481174.7	3768156	7.22E-03	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	481174.7	3768156	0.00722	0.007145	0.001312	0.000732
628	481183.7	3768153	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	481183.7	3768153	0.007064	0.006991	0.001284	0.000717
629

680	481256.9	3768113	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	481256.9	3768113	0.005755	0.005695	0.001046	0.000584
681	481265.9	3768109	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481265.9	3768109	0.005674	0.005614	0.001031	0.000576
682	481274.8	3768106	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481274.8	3768106	0.005599	0.005541	0.001017	0.000568
683	481283.7	3768102	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481283.7	3768102	0.005532	0.005474	0.001005	0.000561
684	481292.7	3768098	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	481292.7	3768098	0.005471	0.005414	0.000994	0.000555
685	481301.6	3768095	5.41E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	481301.6	3768095	0.005414	0.005358	0.000984	0.000549
686	481310.5	3768091	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481310.5	3768091	0.005362	0.005306	0.000974	0.000544
687	481319.5	3768087	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481319.5	3768087	0.005315	0.00526	0.000966	0.000539
688	481328.4	3768084	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	481328.4	3768084	0.005274	0.005219	0.000958	0.000535
715	481151.7	3768146	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	481151.7	3768146	0.006693	0.006623	0.001216	0.000679
716	481160.5	3768142	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	481160.5	3768142	0.006556	0.006487	0.001191	0.000665
717	481169.3	3768139	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481169.3	3768139	0.006426	0.006359	0.001168	0.000652
718	481178.2	3768135	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	481178.2	3768135	0.006302	0.006236	0.001145	0.000639
719	481187	3768132	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	481187	3768132	0.006184	0.006119	0.001124	0.000627
720	481195.9	3768128	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	481195.9	3768128	0.006071	0.006008	0.001103	0.000616
721	481204.7	3768124	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	481204.7	3768124	0.005964	0.005902	0.001084	0.000605
722	481213.6	3768121	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	481213.6	3768121	0.005864	0.005803	0.001066	0.000595
723	481222.4	3768117	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	481222.4	3768117	0.005771	0.005711	0.001049	0.000585
724	481231.3	3768114	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481231.3	3768114	0.005683	0.005623	0.001033	0.000576
725	481240.1	3768110	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481240.1	3768110	0.005598	0.00554	0.001017	0.000568
726	481248.9	3768106	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	481248.9	3768106	0.005517	0.005459	0.001002	0.00056
727	481257.8	3768103	5.44E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	481257.8	3768103	0.005439	0.005382	0.000988	0.000552
728	481266.6	3768099	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481266.6	3768099	0.005368	0.005311	0.000975	0.000544
729	481275.5	3768096	5.30E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	481275.5	3768096	0.005302	0.005247	0.000963	0.000538
730	481284.3	3768092	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	481284.3	3768092	0.005243	0.005188	0.000953	0.000532
731	481293.2	3768088	5.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	481293.2	3768088	0.005188	0.005134	0.000943	0.000526
732	481302	3768085	5.14E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	481302	3768085	0.005138	0.005084	0.000934	0.000521
733	481310.8	3768081	5.09E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	481310.8	3768081	0.005091	0.005038	0.000925	0.000516
734	481319.7	3768078	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481319.7	3768078	0.00505	0.004997	0.000918	0.000512
735	481328.5	3768074	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	481328.5	3768074	0.005013	0.004961	0.000911	0.000509
762	481120.5	3768179	8.40E-03	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	481120.5	3768179	0.008402	0.008314	0.001527	0.000852
763	481124.3	3768170	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	481124.3	3768170	0.007847	0.007765	0.001426	0.000796
764	481145.1	3768139	6.38E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	481145.1	3768139	0.006378	0.006312	0.001159	0.000647
765	481154.2	3768135	6.25E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481154.2	3768135	0.00625	0.006184	0.001136	0.000634
766	481163.4	3768131	6.13E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	481163.4	3768131	0.006125	0.006061	0.001113	0.000621
767	481172.5	3768128	6.01E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481172.5	3768128	0.006007	0.005944	0.001091	0.000609
768	481181.7	3768124	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	481181.7	3768124	0.005895	0.005833	0.001071	0.000598
769	481190.9	3768120	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	481190.9	3768120	0.005788	0.005727	0.001052	0.000587
770	481200	3768116	5.68E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	481200	3768116	0.005685	0.005626	0.001033	0.000577
771	481209.2	3768113	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	481209.2	3768113	0.005588	0.005529	0.001015	0.000567
772	481218.3	3768109	5.50E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	481218.3	3768109	0.005498	0.005441	0.000999	0.000558
773	481227.5	3768105	5.41E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	481227.5	3768105	0.005413	0.005356	0.000984	0.000549
774	481236.7	3768102	5.33E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	481236.7	3768102	0.005332	0.005276	0.000969	0.000541
775	481245.8	3768098	5.25E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	481245.8	3768098	0.005253	0.005198	0.000955	0.000533
776	481255	3768094	5.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	481255	3768094	0.00518	0.005125	0.000941	0.000525
777	481264.1	3768090	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	481264.1	3768090	0.005112	0.005058	0.000929	0.000519
778	481273.3	3768087	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481273.3	3768087	0.005049	0.004996	0.000917	0.000512
779	481282.5	3768083	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	481282.5	3768083	0.004992	0.00494	0.000907	0.000506
780	481291.6	3768079	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	481291.6	3768079	0.00494	0.004888	0.000898	0.000501
781	481300.8	3768075	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	481300.8	3768075	0.004892	0.004841	0.000889	0.000496
782	481309.9	3768072	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	481309.9	3768072	0.004848	0.004797	0.000881	0.000492
783	481319.1	3768068	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	481319.1	3768068	0.004809	0.004758	0.000874	0.000488
784	481328.3	3768064	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	481328.3	3768064	0.004774	0.004724	0.000867	0.000484
812	481113.7	3768172	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	481113.7	3768172	0.007923	0.00784	0.00144	0.000804
813	481117.5	3768163	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	481117.5	3768163	0.007425	0.007348	0.001349	0.000753
814	481121.4	3768154	6.98E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	481121.4	3768154	0.006977	0.006904	0.001268	0.000708
815	481125.2	3768145	6.57E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481125.2	3768145	0.006574	0.006506	0.001195	0.000667
816	481147.1	3768128	5.97E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	481147.1	3768128	0.005974	0.005911	0.001085	0.000606
817	481156.2	3768125	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	481156.2	3768125	0.005861	0.005799	0.001065	0.000594
818	481165.3	3768121	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	481165.3	3768121	0.005752	0.005692	0.001045	0.000584
819	481174.3	3768117	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	481174.3	3768117	0.00565	0.005591	0.001027	0.000573
820	481183.4	3768113	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	481183.4	3768113	0.005552	0.005494	0.001009	0.000563
821	481192.4	3768110	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	481192.4	3768110	0.005456	0.005399	0.000991	0.000553
822	481201.5	3768106	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481201.5	3768106	0.005366	0.00531	0.000975	0.000544
823	481210.6	3768102	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	481210.6	3768102	0.005279	0.005224	0.000959	0.000535
824	481219.6	3768099	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	481219.6	3768099	0.005199	0.005144	0.000945	0.000527
825	481228.7	3768095	5.12E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	481228.7	3768095	0.005121	0.005068	0.000931	0.00052
826	481237.8	3768091	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481237.8	3768091	0.005048	0.004995	0.000917	0.000512
827	481246.8	3768088	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	481246.8	3768088	0.004978	0.004926	0.000905	0.000505
828	481255.9	3768084	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	481255.9	3768084	0.004913	0.004862	0.000893	0.000498
829	481264.9	3768080	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	481264.9	3768080	0.004853	0.004802	0.000882	0.000492
830	481274	3768076	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	481274	3768076	0.004798	0.004747	0.000872	0.000487
831	481283.1	3768073	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	481283.1	3768073	0.004747	0.004697	0.000862	0.000481
832	481292.1	3768069	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	481292.1	3768069	0.0047	0.004651	0.000854	0.000477
833	481301.2	3768065	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	481301.2	3768065	0.004657	0.004608	0.000846	0.000472
834	481310.3	3768062	4.62E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	481310.3	3768062	0.004617	0.004569	0.000839	0.000468
835	481319.3	3768058	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	481319.3	3768058	0.004582	0.004535	0.000833	0.000465
836	481328.4	3768054	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	481328.4	3768054	0.004552	0.004504	0.000827	0.000462
864	481103.2	3768173	7.99E-03	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	481103.2	3768173	0.007988	0.007904	0.001451	0.00081
865	481107	3768164	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	481107	3768164	0.007488	0.00741	0.001361	0.00076
866	481110.7	3768155	7.04E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	481110.7	3768155	0.007038	0.006965	0.001279	0.000714
867	481114.5	3768146	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	481114.5	3768146	0.006633	0.006563	0.001205	0.000673
868	481118.3	3768138	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	481118.3	3768138	0.006266	0.0062	0.001139	0.000636
869	481149	3768118	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	481149	3768118	0.005613	0.005554	0.00102	0.000569
870	481158	3768114	5.51E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	481158	3768114	0.005514	0.005456	0.001002	0.000559
871	481167	3768110	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	481167	3768110	0.005419	0.005363	0.000985	0.00055
872	481175.9	3768107	5.33E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	481175.9	3768107	0.00533	0.005274	0.000968	0.000541
873	481184.9	3768103	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	481184.9	3768103	0.005242	0.005187	0.000952	0.000532
874	481193.9	3768099	5.16E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	481193.9	3768099	0.005156	0.005102	0.000937	0.000523
875	481202.9	3768096	5.08E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	481202.9	3768096	0.005075	0.005022	0.000922	0.000515
876	481211.8	3768092	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	481211.8	3768092	0.004999	0.004947	0.000908	0.000507
877	481220.8	3768088	4.93E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	481220.8	3768088	0.004926	0.004874	0.000895	0.0005
878	481229.8	3768085	4.86E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	481229.8	3768085	0.004855	0.004805	0.000882	0.000493
879	481238.8	3768081	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	481238.8	3768081	0.004788	0.004738	0.00087	0.000486
880	481247.7	3768077	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	481247.7	3768077	0.004727	0.004677	0.000859	0.000479

936	481237.5	3768052	4.15E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	481237.5	3768052	0.004148	0.004104	0.000754	0.000421
937	481246.6	3768048	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	481246.6	3768048	0.0041	0.004057	0.000745	0.000416
938	481255.7	3768044	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	481255.7	3768044	0.004055	0.004013	0.000737	0.000411
939	481264.8	3768040	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	481264.8	3768040	0.004014	0.003972	0.000729	0.000407
940	481273.9	3768037	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	481273.9	3768037	0.003975	0.003933	0.000722	0.000403
941	481283	3768033	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481283	3768033	0.003939	0.003898	0.000716	0.0004
942	481292.1	3768029	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	481292.1	3768029	0.003907	0.003866	0.00071	0.000396
943	481301.2	3768026	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	481301.2	3768026	0.003877	0.003836	0.000704	0.000393
944	481310.3	3768022	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	481310.3	3768022	0.00385	0.003809	0.000699	0.000391
945	481319.4	3768018	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	481319.4	3768018	0.003826	0.003786	0.000695	0.000388
946	481328.5	3768015	3.80E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	481328.5	3768015	0.003805	0.003765	0.000691	0.000386
973	481042.5	3768174	7.88E-03	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	481042.5	3768174	0.007881	0.007799	0.001432	0.000799
974	481046.2	3768165	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	481046.2	3768165	0.0074	0.007323	0.001345	0.000751
975	481050	3768157	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481050	3768157	0.006966	0.006893	0.001266	0.000707
976	481053.7	3768148	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481053.7	3768148	0.006572	0.006503	0.001194	0.000667
977	481057.5	3768139	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	481057.5	3768139	0.006215	0.00615	0.001129	0.00063
978	481061.2	3768130	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	481061.2	3768130	0.00589	0.005828	0.00107	0.000597
979	481065	3768121	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	481065	3768121	0.005593	0.005534	0.001016	0.000567
980	481068.7	3768112	5.32E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	481068.7	3768112	0.005322	0.005266	0.000967	0.00054
981	481072.5	3768104	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	481072.5	3768104	0.005072	0.005019	0.000922	0.000515
982	481076.2	3768095	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	481076.2	3768095	0.004843	0.004792	0.00088	0.000491
983	481088.9	3768082	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	481088.9	3768082	0.004561	0.004513	0.000829	0.000463
984	481097.7	3768079	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	481097.7	3768079	0.00449	0.004443	0.000816	0.000455
985	481106.6	3768075	4.42E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	481106.6	3768075	0.004421	0.004375	0.000803	0.000448
986	481115.5	3768071	4.35E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	481115.5	3768071	0.004354	0.004308	0.000791	0.000442
987	481124.4	3768068	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	481124.4	3768068	0.004288	0.004243	0.000779	0.000435
988	481151.1	3768057	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	481151.1	3768057	0.004102	0.004059	0.000745	0.000416
989	481160	3768053	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481160	3768053	0.004045	0.004003	0.000735	0.00041
990	481168.9	3768050	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	481168.9	3768050	0.003991	0.003949	0.000725	0.000405
991	481177.7	3768046	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	481177.7	3768046	0.003938	0.003897	0.000716	0.000399
992	481186.6	3768042	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	481186.6	3768042	0.003886	0.003845	0.000706	0.000394
993	481195.5	3768039	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481195.5	3768039	0.003835	0.003795	0.000697	0.000389
994	481204.4	3768035	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	481204.4	3768035	0.003787	0.003748	0.000688	0.000384
995	481213.3	3768032	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	481213.3	3768032	0.003742	0.003703	0.00068	0.00038
996	481222.2	3768028	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	481222.2	3768028	0.0037	0.003661	0.000672	0.000375
997	481231.1	3768024	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	481231.1	3768024	0.00366	0.003621	0.000665	0.000371
998	481240	3768021	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	481240	3768021	0.003621	0.003584	0.000658	0.000367
999	481248.9	3768017	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	481248.9	3768017	0.003586	0.003548	0.000651	0.000364
1000	481257.7	3768013	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	481257.7	3768013	0.003552	0.003515	0.000645	0.00036
1001	481266.6	3768010	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	481266.6	3768010	0.00352	0.003484	0.00064	0.000357
1002	481275.5	3768006	3.49E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	481275.5	3768006	0.003492	0.003455	0.000634	0.000354
1003	481284.4	3768003	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	481284.4	3768003	0.003465	0.003429	0.00063	0.000351
1004	481293.3	3767999	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	481293.3	3767999	0.003441	0.003405	0.000625	0.000349
1005	481302.2	3767995	3.42E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	481302.2	3767995	0.003419	0.003383	0.000621	0.000347
1006	481311.1	3767992	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	481311.1	3767992	0.003399	0.003363	0.000618	0.000345
1007	481320	3767988	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	481320	3767988	0.003381	0.003345	0.000614	0.000343
1008	481328.9	3767984	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	481328.9	3767984	0.003365	0.00333	0.000612	0.000341
1034	481013.4	3768172	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	481013.4	3768172	0.007653	0.007573	0.001391	0.000776
1035	481017.2	3768163	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	481017.2	3768163	0.007191	0.007116	0.001307	0.000729
1036	481021	3768154	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	481021	3768154	0.006771	0.0067	0.00123	0.000687
1037	481024.7	3768145	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	481024.7	3768145	0.006389	0.006323	0.001161	0.000648
1038	481028.5	3768136	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	481028.5	3768136	0.006043	0.00598	0.001098	0.000613
1039	481032.3	3768127	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	481032.3	3768127	0.005728	0.005668	0.001041	0.000581
1040	481036.1	3768118	5.44E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	481036.1	3768118	0.005442	0.005385	0.000989	0.000552
1041	481039.9	3768109	5.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	481039.9	3768109	0.00518	0.005125	0.000941	0.000525
1042	481043.7	3768100	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	481043.7	3768100	0.004939	0.004887	0.000897	0.000501
1043	481047.5	3768091	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	481047.5	3768091	0.004716	0.004666	0.000857	0.000478
1044	481051.3	3768082	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	481051.3	3768082	0.00451	0.004462	0.000819	0.000457
1045	481055.1	3768073	4.32E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	481055.1	3768073	0.004319	0.004274	0.000785	0.000438
1046	481067.9	3768061	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	481067.9	3768061	0.004083	0.004041	0.000742	0.000414
1047	481076.9	3768057	4.03E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	481076.9	3768057	0.004025	0.003983	0.000731	0.000408
1048	481085.9	3768054	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	481085.9	3768054	0.003967	0.003926	0.000721	0.000402
1049	481094.9	3768050	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	481094.9	3768050	0.003911	0.00387	0.000711	0.000397
1050	481103.9	3768046	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	481103.9	3768046	0.003855	0.003814	0.0007	0.000391
1051	481112.9	3768043	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	481112.9	3768043	0.003801	0.003761	0.000691	0.000386
1052	481121.9	3768039	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	481121.9	3768039	0.003749	0.00371	0.000681	0.00038
1053	481148.9	3768028	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	481148.9	3768028	0.003599	0.003562	0.000654	0.000365
1054	481157.9	3768024	3.55E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	481157.9	3768024	0.003553	0.003515	0.000646	0.00036
1055	481166.9	3768020	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	481166.9	3768020	0.003507	0.00347	0.000637	0.000356
1056	481175.9	3768017	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	481175.9	3768017	0.003462	0.003426	0.000629	0.000351
1057	481184.9	3768013	3.42E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	481184.9	3768013	0.00342	0.003384	0.000621	0.000347
1058	481193.9	3768009	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	481193.9	3768009	0.00338	0.003345	0.000614	0.000343
1059	481202.9	3768006	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	481202.9	3768006	0.003341	0.003306	0.000607	0.000339
1060	481211.9	3768002	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	481211.9	3768002	0.003304	0.00327	0.0006	0.000335
1061	481220.9	3767998	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	481220.9	3767998	0.00327	0.003236	0.000594	0.000332
1062	481229.9	3767995	3.24E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	481229.9	3767995	0.003238	0.003204	0.000588	0.000328
1063	481238.9	3767991	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	481238.9	3767991	0.003208	0.003175	0.000583	0.000325
1064	481247.9	3767987	3.18E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	481247.9	3767987	0.003179	0.003146	0.000578	0.000322
1065	481256.9	3767984	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	481256.9	3767984	0.003152	0.003119	0.000573	0.00032
1066	481265.9	3767980	3.13E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	481265.9	3767980	0.003127	0.003094	0.000568	0.000317
1067	481274.9	3767976	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	481274.9	3767976	0.003104	0.003071	0.000564	0.000315
1068	481283.9	3767973	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	481283.9	3767973	0.003082	0.00305	0.00056	0.000313
1069	481292.9	3767969	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481292.9	3767969	0.003063	0.003031	0.000557	0.000311
1070	481301.9	3767965	3.05E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	481301.9	3767965	0.003046	0.003014	0.000553	0.000309
1071	481310.9	3767962	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481310.9	3767962	0.00303	0.002998	0.000551	0.000307
1072	481319.9	3767958	3.02E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	481319.9	3767958	0.003016	0.002985	0.000548	0.000306
1073	481328.9	3767954	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	481328.9	3767954	0.003004	0.002973	0.000546	0.000305
1098	480984.1	3768170	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	480984.1	3768170	0.007438	0.00736	0.001352	0.000755
1099	480988	3768161	7.00E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	480988	3768161	0.006997	0.006924	0.001271	0.00071
1100	480991.8	3768152	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	480991.8	3768152	0.006596	0.006527	0.001198	0.000669
1101	480995.6	3768143	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	480995.6	3768143	0.006229	0.006164	0.001132	0.000632
1102	480999.5	3768134	5.90E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	480999.5	3768134	0.005896	0.005834	0.001071	0.000598
1103	481003.3	3768125	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	481003.3	3768125	0.00559	0.005531	0.001016	0.000567
1104	481007.2	3768115	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481007.2	3768115	0.00531	0.005254	0.000965	0.000539
1105	481011	3768106	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00

1157	480989.7	3768086	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	480989.7	3768086	0.004499	0.004452	0.000817	0.000456
1158	480993.6	3768077	4.31E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	480993.6	3768077	0.004306	0.00426	0.000782	0.000437
1159	481005.2	3768049	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	481005.2	3768049	0.0038	0.00376	0.00069	0.000385
1160	481009	3768040	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	481009	3768040	0.003655	0.003617	0.000664	0.000371
1161	481012.9	3768031	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	481012.9	3768031	0.003521	0.003484	0.00064	0.000357
1162	481026	3768018	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	481026	3768018	0.003353	0.003318	0.000609	0.00034
1163	481035.1	3768014	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	481035.1	3768014	0.003311	0.003276	0.000602	0.000336
1164	481044.3	3768011	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	481044.3	3768011	0.003269	0.003235	0.000594	0.000332
1165	481053.5	3768007	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	481053.5	3768007	0.003228	0.003194	0.000586	0.000327
1166	481062.7	3768003	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	481062.7	3768003	0.003187	0.003154	0.000579	0.000323
1167	481071.9	3767999	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481071.9	3767999	0.003147	0.003114	0.000572	0.000319
1168	481081.1	3767996	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	481081.1	3767996	0.003107	0.003075	0.000565	0.000315
1169	481090.2	3767992	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481090.2	3767992	0.003069	0.003036	0.000558	0.000311
1170	481099.4	3767988	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481099.4	3767988	0.00303	0.002999	0.000551	0.000307
1171	481108.6	3767984	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481108.6	3767984	0.002993	0.002962	0.000544	0.000304
1172	481117.8	3767981	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	481117.8	3767981	0.002957	0.002926	0.000537	0.0003
1173	481127	3767977	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	481127	3767977	0.002921	0.002891	0.000531	0.000296
1174	481283	3767913	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	481283	3767913	0.002499	0.002472	0.000454	0.000253
1175	481292.2	3767910	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	481292.2	3767910	0.002486	0.00246	0.000452	0.000252
1176	481301.4	3767906	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	481301.4	3767906	0.002474	0.002448	0.00045	0.000251
1177	481310.6	3767902	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481310.6	3767902	0.002464	0.002439	0.000448	0.00025
1178	481319.8	3767898	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	481319.8	3767898	0.002456	0.00243	0.000446	0.000249
1179	481328.9	3767895	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	481328.9	3767895	0.002449	0.002423	0.000445	0.000248
1206	480934.9	3768144	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	480934.9	3768144	0.006123	0.006059	0.001113	0.000621
1207	480938.7	3768135	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	480938.7	3768135	0.005803	0.005742	0.001054	0.000589
1208	480942.5	3768126	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	480942.5	3768126	0.005509	0.005451	0.001001	0.000559
1209	480946.3	3768117	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	480946.3	3768117	0.005238	0.005183	0.000952	0.000531
1210	480950.1	3768108	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	480950.1	3768108	0.004989	0.004937	0.000906	0.000506
1211	480953.9	3768099	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	480953.9	3768099	0.004759	0.00471	0.000865	0.000483
1212	480957.7	3768090	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	480957.7	3768090	0.004548	0.0045	0.000826	0.000461
1213	480972.9	3768054	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	480972.9	3768054	0.003848	0.003807	0.000699	0.00039
1214	480976.7	3768045	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480976.7	3768045	0.003702	0.003663	0.000673	0.000376
1215	480980.5	3768036	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480980.5	3768036	0.003566	0.003528	0.000648	0.000362
1216	480984.3	3768027	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	480984.3	3768027	0.003438	0.003402	0.000625	0.000349
1217	480988.1	3768018	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	480988.1	3768018	0.003318	0.003283	0.000603	0.000337
1218	480991.9	3768009	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	480991.9	3768009	0.003206	0.003173	0.000583	0.000325
1219	481004.7	3767997	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481004.7	3767997	0.003066	0.003034	0.000557	0.000311
1220	481013.8	3767993	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481013.8	3767993	0.003031	0.002999	0.000551	0.000307
1221	481022.8	3767989	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481022.8	3767989	0.002996	0.002965	0.000544	0.000304
1222	481031.8	3767986	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	481031.8	3767986	0.002961	0.00293	0.000538	0.0003
1223	481040.8	3767982	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	481040.8	3767982	0.002927	0.002896	0.000532	0.000297
1224	481049.8	3767978	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	481049.8	3767978	0.002893	0.002863	0.000526	0.000293
1225	481058.8	3767975	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	481058.8	3767975	0.00286	0.00283	0.00052	0.00029
1226	481067.8	3767971	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	481067.8	3767971	0.002827	0.002798	0.000514	0.000287
1227	481076.8	3767967	2.79E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	481076.8	3767967	0.002795	0.002766	0.000508	0.000284
1228	481085.9	3767964	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	481085.9	3767964	0.002763	0.002734	0.000502	0.00028
1229	481094.9	3767960	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	481094.9	3767960	0.002732	0.002703	0.000496	0.000277
1230	481103.9	3767956	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	481103.9	3767956	0.002701	0.002672	0.000491	0.000274
1231	481112.9	3767953	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	481112.9	3767953	0.00267	0.002642	0.000485	0.000271
1232	481121.9	3767949	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481121.9	3767949	0.002639	0.002612	0.00048	0.000268
1233	481167	3767931	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	481167	3767931	0.0025	0.002474	0.000454	0.000254
1234	481176	3767927	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	481176	3767927	0.002475	0.002449	0.00045	0.000251
1235	481185	3767923	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	481185	3767923	0.002452	0.002427	0.000446	0.000249
1236	481194	3767920	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	481194	3767920	0.002431	0.002405	0.000442	0.000247
1237	481203	3767916	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	481203	3767916	0.00241	0.002385	0.000438	0.000244
1238	481212	3767912	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	481212	3767912	0.00239	0.002365	0.000434	0.000242
1239	481221.1	3767909	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	481221.1	3767909	0.002371	0.002346	0.000431	0.000241
1240	481230.1	3767905	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	481230.1	3767905	0.002353	0.002328	0.000428	0.000239
1241	481239.1	3767901	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	481239.1	3767901	0.002336	0.002312	0.000424	0.000237
1242	481248.1	3767898	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	481248.1	3767898	0.00232	0.002296	0.000422	0.000235
1243	481257.1	3767894	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	481257.1	3767894	0.002306	0.002282	0.000419	0.000234
1244	481266.1	3767890	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481266.1	3767890	0.002293	0.002269	0.000417	0.000233
1245	481275.1	3767887	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	481275.1	3767887	0.002281	0.002257	0.000414	0.000231
1246	481284.2	3767883	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481284.2	3767883	0.00227	0.002246	0.000412	0.00023
1247	481293.2	3767879	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	481293.2	3767879	0.00226	0.002236	0.000411	0.000229
1248	481302.2	3767875	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481302.2	3767875	0.002251	0.002227	0.000409	0.000228
1249	481311.2	3767872	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481311.2	3767872	0.002243	0.00222	0.000408	0.000228
1250	481320.2	3767868	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481320.2	3767868	0.002237	0.002213	0.000406	0.000227
1251	481329.2	3767864	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481329.2	3767864	0.002231	0.002208	0.000405	0.000226
1284	480936.3	3768069	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	480936.3	3768069	0.004081	0.004038	0.000741	0.000414
1285	480940.1	3768060	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	480940.1	3768060	0.003918	0.003877	0.000712	0.000397
1286	480944	3768051	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	480944	3768051	0.003765	0.003726	0.000684	0.000382
1287	480947.8	3768042	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	480947.8	3768042	0.003624	0.003586	0.000658	0.000368
1288	480951.7	3768033	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	480951.7	3768033	0.003491	0.003454	0.000634	0.000354
1289	480955.5	3768024	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	480955.5	3768024	0.003367	0.003332	0.000612	0.000342
1290	480959.3	3768015	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	480959.3	3768015	0.00325	0.003216	0.000591	0.00033
1291	480963.2	3768006	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	480963.2	3768006	0.00314	0.003107	0.000571	0.000319
1292	480967	3767997	3.04E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	480967	3767997	0.003036	0.003005	0.000552	0.000308
1293	480970.8	3767988	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	480970.8	3767988	0.002938	0.002908	0.000534	0.000298
1294	480983.8	3767975	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	480983.8	3767975	0.002817	0.002787	0.000512	0.000286
1295	480992.8	3767972	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	480992.8	3767972	0.002787	0.002757	0.000506	0.000283
1296	481001.9	3767968	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	481001.9	3767968	0.002756	0.002727	0.000501	0.00028
1297	481011	3767964	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	481011	3767964	0.002725	0.002697	0.000495	0.000276
1298	481020.1	3767961	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	481020.1	3767961	0.002695	0.002667	0.00049	0.000273
1299	481029.2	3767957	2.66E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	481029.2	3767957	0.002665	0.002637	0.000484	0.00027
1300	481038.3	3767953	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	481038.3	3767953	0.002636	0.002609	0.000479	0.000267
1301	481047.4	3767949	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	481047.4	3767949	0.002608	0.002581	0.000474	0.000265
1302	481102	3767927	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	481102	3767927	0.00244	0.002414	0.000443	0.000247
1303	481111.1	3767923	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	481111.1	3767923	0.002413	0.002388	0.000439	0.000245
1304	481120.1	3767920	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	481120.1	3767920	0.002388	0.002363	0.000434	0.000242
1305	481156.5	3767905	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481156.5	3767905	0.002292	0.002268	0.000417	0.000233
1306	481165.6	3767901	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481165.6	3767901	0.00227	0.002247	0.000413	0.00023
1307	481174.7	3767898	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481174.7	3767898	0.002249	0.002226	0.000409	0.000228
1308	481183.8	3767894	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481183.8	3767894	0.00223	0.002206	0.000405	0.000226
1309	481192.9	3767890	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.

1370	480962.8	3767954	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	480962.8	3767954	0.0026	0.002573	0.000472	0.000264
1371	480971.9	3767950	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	480971.9	3767950	0.002574	0.002547	0.000468	0.000261
1372	481026.9	3767928	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	481026.9	3767928	0.002413	0.002388	0.000438	0.000245
1373	481036.1	3767924	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	481036.1	3767924	0.002388	0.002363	0.000434	0.000242
1374	481045.2	3767920	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	481045.2	3767920	0.002363	0.002338	0.000429	0.00024
1375	481054.4	3767917	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	481054.4	3767917	0.002338	0.002314	0.000425	0.000237
1376	481063.6	3767913	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	481063.6	3767913	0.002313	0.002289	0.00042	0.000235
1377	481072.7	3767909	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	481072.7	3767909	0.002289	0.002265	0.000416	0.000232
1378	481081.9	3767905	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481081.9	3767905	0.002264	0.00224	0.000411	0.00023
1379	481091.1	3767902	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481091.1	3767902	0.00224	0.002217	0.000407	0.000227
1380	481100.2	3767898	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	481100.2	3767898	0.002217	0.002194	0.000403	0.000225
1381	481109.4	3767894	2.20E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	481109.4	3767894	0.002195	0.002172	0.000399	0.000223
1382	481118.6	3767890	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	481118.6	3767890	0.002173	0.002151	0.000395	0.00022
1383	481127.7	3767887	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	481127.7	3767887	0.002151	0.002129	0.000391	0.000218
1384	481155.2	3767876	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481155.2	3767876	0.00209	0.002068	0.00038	0.000212
1385	481164.4	3767872	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	481164.4	3767872	0.002072	0.00205	0.000376	0.00021
1386	481173.5	3767868	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	481173.5	3767868	0.002054	0.002033	0.000373	0.000208
1387	481182.7	3767864	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	481182.7	3767864	0.002037	0.002016	0.00037	0.000207
1388	481191.9	3767861	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	481191.9	3767861	0.002021	0.002	0.000367	0.000205
1389	481201	3767857	2.01E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	481201	3767857	0.002006	0.001985	0.000364	0.000203
1390	481210.2	3767853	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	481210.2	3767853	0.001991	0.00197	0.000362	0.000202
1391	481219.4	3767849	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	481219.4	3767849	0.001978	0.001957	0.000359	0.000201
1392	481228.5	3767846	1.97E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	481228.5	3767846	0.001965	0.001945	0.000357	0.000199
1393	481237.7	3767842	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	481237.7	3767842	0.001953	0.001933	0.000355	0.000198
1394	481246.8	3767838	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	481246.8	3767838	0.001942	0.001922	0.000353	0.000197
1395	481256	3767834	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	481256	3767834	0.001932	0.001912	0.000351	0.000196
1396	481265.2	3767831	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481265.2	3767831	0.001923	0.001903	0.000349	0.000195
1397	481274.3	3767827	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	481274.3	3767827	0.001915	0.001895	0.000348	0.000194
1398	481283.5	3767823	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481283.5	3767823	0.001907	0.001887	0.000347	0.000193
1399	481292.7	3767819	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481292.7	3767819	0.001901	0.001881	0.000345	0.000193
1400	481301.8	3767816	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481301.8	3767816	0.001895	0.001875	0.000344	0.000192
1401	481311	3767812	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481311	3767812	0.001889	0.00187	0.000343	0.000192
1402	481320.2	3767808	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481320.2	3767808	0.001885	0.001865	0.000342	0.000191
1403	481329.3	3767805	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481329.3	3767805	0.001881	0.001861	0.000342	0.000191
1435	480867.8	3768089	4.37E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	480867.8	3768089	0.004375	0.004329	0.000795	0.000444
1436	480871.6	3768080	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	480871.6	3768080	0.00419	0.004146	0.000761	0.000425
1437	480875.4	3768071	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	480875.4	3768071	0.004019	0.003977	0.00073	0.000408
1438	480879.3	3768062	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	480879.3	3768062	0.003859	0.003819	0.000701	0.000391
1439	480883.1	3768053	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480883.1	3768053	0.003711	0.003672	0.000674	0.000376
1440	480886.9	3768044	3.57E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480886.9	3768044	0.003573	0.003536	0.000649	0.000362
1441	480890.7	3768035	3.44E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	480890.7	3768035	0.003445	0.003409	0.000626	0.000349
1442	480894.5	3768026	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	480894.5	3768026	0.003324	0.003289	0.000604	0.000337
1443	480898.3	3768017	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	480898.3	3768017	0.003211	0.003177	0.000583	0.000326
1444	480902.1	3768008	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	480902.1	3768008	0.003105	0.003072	0.000564	0.000315
1445	480905.9	3767999	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	480905.9	3767999	0.003004	0.002973	0.000546	0.000305
1446	480909.7	3767990	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	480909.7	3767990	0.002909	0.002879	0.000529	0.000295
1447	480913.5	3767981	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	480913.5	3767981	0.002819	0.00279	0.000512	0.000286
1448	480917.3	3767972	2.73E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	480917.3	3767972	0.002734	0.002705	0.000497	0.000277
1449	480921.1	3767963	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	480921.1	3767963	0.002652	0.002625	0.000482	0.000269
1450	480924.9	3767954	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	480924.9	3767954	0.002575	0.002548	0.000468	0.000261
1451	480950.6	3767929	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	480950.6	3767929	0.002384	0.00236	0.000433	0.000242
1452	480959.6	3767925	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	480959.6	3767925	0.002362	0.002337	0.000429	0.00024
1453	480968.6	3767922	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	480968.6	3767922	0.00234	0.002315	0.000425	0.000237
1454	480977.7	3767918	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	480977.7	3767918	0.002316	0.002292	0.000421	0.000235
1455	480986.7	3767914	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	480986.7	3767914	0.002293	0.002269	0.000417	0.000233
1456	480995.7	3767911	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	480995.7	3767911	0.00227	0.002246	0.000412	0.00023
1457	481004.7	3767907	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481004.7	3767907	0.002247	0.002224	0.000408	0.000228
1458	481013.8	3767903	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481013.8	3767903	0.002225	0.002202	0.000404	0.000226
1459	481022.8	3767900	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	481022.8	3767900	0.002203	0.00218	0.0004	0.000224
1460	481031.8	3767896	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	481031.8	3767896	0.002182	0.002159	0.000396	0.000221
1461	481040.8	3767892	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	481040.8	3767892	0.002159	0.002137	0.000392	0.000219
1462	481049.8	3767889	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	481049.8	3767889	0.002138	0.002115	0.000388	0.000217
1463	481058.9	3767885	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	481058.9	3767885	0.002116	0.002094	0.000385	0.000215
1464	481067.9	3767881	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	481067.9	3767881	0.002095	0.002073	0.000381	0.000213
1465	481076.9	3767877	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	481076.9	3767877	0.002074	0.002053	0.000377	0.00021
1466	481085.9	3767874	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	481085.9	3767874	0.002054	0.002032	0.000373	0.000208
1467	481095	3767870	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	481095	3767870	0.002034	0.002013	0.00037	0.000206
1468	481104	3767866	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	481104	3767866	0.002014	0.001993	0.000366	0.000204
1469	481113	3767863	2.00E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	481113	3767863	0.001995	0.001974	0.000363	0.000202
1470	481122	3767859	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	481122	3767859	0.001977	0.001956	0.000359	0.000201
1471	481149.1	3767848	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481149.1	3767848	0.001925	0.001904	0.00035	0.000195
1472	481158.1	3767844	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	481158.1	3767844	0.001909	0.001889	0.000347	0.000194
1473	481167.2	3767841	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481167.2	3767841	0.001893	0.001873	0.000344	0.000192
1474	481176.2	3767837	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481176.2	3767837	0.001878	0.001859	0.000341	0.000191
1475	481185.2	3767833	1.86E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	481185.2	3767833	0.001865	0.001845	0.000339	0.000189
1476	481194.2	3767830	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	481194.2	3767830	0.001852	0.001832	0.000336	0.000188
1477	481203.3	3767826	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	481203.3	3767826	0.001839	0.00182	0.000334	0.000187
1478	481212.3	3767822	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	481212.3	3767822	0.001828	0.001808	0.000332	0.000185
1479	481221.3	3767819	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	481221.3	3767819	0.001817	0.001798	0.00033	0.000184
1480	481230.3	3767815	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	481230.3	3767815	0.001806	0.001788	0.000328	0.000183
1481	481239.4	3767811	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	481239.4	3767811	0.001797	0.001778	0.000327	0.000182
1482	481248.4	3767808	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	481248.4	3767808	0.001788	0.00177	0.000325	0.000181
1483	481257.4	3767804	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	481257.4	3767804	0.00178	0.001761	0.000323	0.000181
1484	481266.4	3767800	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	481266.4	3767800	0.001773	0.001754	0.000322	0.00018
1485	481275.4	3767797	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	481275.4	3767797	0.001766	0.001747	0.000321	0.000179
1486	481284.5	3767793	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	481284.5	3767793	0.00176	0.001741	0.00032	0.000179
1487	481293.5	3767789	1.75E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	481293.5	3767789	0.001754	0.001736	0.000319	0.000178
1488	481302.5	3767786	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	481302.5	3767786	0.00175	0.001731	0.000318	0.000177
1489	481311.5	3767782	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	481311.5	3767782	0.001746	0.001727	0.000317	0.000177
1490	481320.6	3767778	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	481320.6	3767778	0.001742	0.001724	0.000316	0.000177
1491	481329.6	3767774	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	481329.6	3767774	0.001739	0.001721	0.000316	0.000176
1518	480834.8	3768096	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	480834.8	3768096	0.004471	0.004424	0.000812	0.000453
1519	480838.6	3768087	4.28E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	480838.6	3768087	0.004279	0.004234	0.000777	0.000434
1520	480842.5	3768078	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	480842.5	3768078	0.0041	0.004057	0.000745	0.000416
1521	480846.3	3768069	3.93E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.

1550	481047.8	3767859	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	481047.8	3767859	0.001958	0.001938	0.000356	0.000199
1551	481056.9	3767856	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	481056.9	3767856	0.001939	0.001919	0.000352	0.000197
1552	481066	3767852	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481066	3767852	0.001921	0.001901	0.000349	0.000195
1553	481075.1	3767848	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481075.1	3767848	0.001902	0.001882	0.000346	0.000193
1554	481084.2	3767845	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481084.2	3767845	0.001884	0.001864	0.000342	0.000191
1555	481093.3	3767841	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	481093.3	3767841	0.001866	0.001847	0.000339	0.000189
1556	481102.4	3767837	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	481102.4	3767837	0.001849	0.00183	0.000336	0.000188
1557	481111.5	3767833	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	481111.5	3767833	0.001833	0.001814	0.000333	0.000186
1558	481120.6	3767830	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	481120.6	3767830	0.001817	0.001798	0.00033	0.000184
1559	481156.9	3767815	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	481156.9	3767815	0.001758	0.00174	0.000319	0.000178
1560	481166	3767811	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	481166	3767811	0.001745	0.001727	0.000317	0.000177
1561	481175.1	3767808	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	481175.1	3767808	0.001732	0.001714	0.000315	0.000176
1562	481184.2	3767804	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	481184.2	3767804	0.00172	0.001702	0.000313	0.000174
1563	481193.3	3767800	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	481193.3	3767800	0.001709	0.001691	0.000311	0.000173
1564	481202.4	3767796	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	481202.4	3767796	0.001698	0.00168	0.000309	0.000172
1565	481211.5	3767793	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	481211.5	3767793	0.001688	0.001671	0.000307	0.000171
1566	481220.6	3767789	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	481220.6	3767789	0.001679	0.001661	0.000305	0.00017
1567	481229.7	3767785	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	481229.7	3767785	0.00167	0.001653	0.000303	0.000169
1568	481238.7	3767782	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	481238.7	3767782	0.001662	0.001645	0.000302	0.000169
1569	481247.8	3767778	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	481247.8	3767778	0.001655	0.001637	0.000301	0.000168
1570	481256.9	3767774	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	481256.9	3767774	0.001648	0.001631	0.000299	0.000167
1571	481266	3767770	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	481266	3767770	0.001642	0.001624	0.000298	0.000167
1572	481275.1	3767767	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	481275.1	3767767	0.001636	0.001619	0.000297	0.000166
1573	481284.2	3767763	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481284.2	3767763	0.001631	0.001614	0.000296	0.000165
1574	481293.3	3767759	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481293.3	3767759	0.001627	0.00161	0.000296	0.000165
1575	481302.4	3767756	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481302.4	3767756	0.001623	0.001606	0.000295	0.000165
1576	481311.5	3767752	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481311.5	3767752	0.001619	0.001602	0.000294	0.000164
1577	481320.6	3767748	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481320.6	3767748	0.001616	0.001599	0.000294	0.000164
1578	481329.6	3767745	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481329.6	3767745	0.001613	0.001597	0.000293	0.000164
1593	481335.5	3768229	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	481335.5	3768229	0.015144	0.014986	0.002752	0.001536
1594	481210.7	3768219	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481210.7	3768219	0.01226	0.012132	0.002228	0.001244
1595	481191.5	3768199	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481191.5	3768199	0.010119	0.010013	0.001839	0.001026
1596	481181.9	3768189	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	481181.9	3768189	0.009271	0.009174	0.001685	0.00094
1597	481162.7	3768170	7.91E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	481162.7	3768170	0.007905	0.007822	0.001436	0.000802
1598	481143.6	3768110	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481143.6	3768110	0.005363	0.005307	0.000975	0.000544
1599	481210.8	3768080	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	481210.8	3768080	0.004698	0.004649	0.000854	0.000477
1600	481201.2	3768080	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	481201.2	3768080	0.004677	0.004628	0.00085	0.000474
1601	481191.6	3768080	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	481191.6	3768080	0.004657	0.004608	0.000846	0.000472
1602	481287.6	3768050	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	481287.6	3768050	0.004273	0.004229	0.000776	0.000433
1603	481278	3768050	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	481278	3768050	0.004238	0.004194	0.00077	0.00043
1604	481268.4	3768050	4.21E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	481268.4	3768050	0.004205	0.004161	0.000764	0.000427
1605	481220.4	3768050	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	481220.4	3768050	0.004081	0.004038	0.000741	0.000414
1606	481210.8	3768050	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	481210.8	3768050	0.004061	0.004019	0.000738	0.000412
1607	481201.3	3768050	4.05E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481201.3	3768050	0.004045	0.004003	0.000735	0.00041
1608	481191.7	3768050	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	481191.7	3768050	0.004031	0.003988	0.000732	0.000409
1609	481335.7	3768020	3.93E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	481335.7	3768020	0.003933	0.003892	0.000715	0.000399
1610	481287.7	3768020	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	481287.7	3768020	0.003739	0.0037	0.000679	0.000379
1611	481278.1	3768020	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	481278.1	3768020	0.003709	0.00367	0.000674	0.000376
1612	481268.5	3768020	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	481268.5	3768020	0.003681	0.003643	0.000669	0.000373
1613	481210.9	3768020	3.56E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	481210.9	3768020	0.003558	0.003521	0.000647	0.000361
1614	481201.3	3768020	3.54E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	481201.3	3768020	0.003543	0.003506	0.000644	0.000359
1615	481191.7	3768020	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	481191.7	3768020	0.003529	0.003493	0.000641	0.000358
1616	481143.7	3768020	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	481143.7	3768020	0.003477	0.003441	0.000632	0.000353
1617	481287.7	3767990	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	481287.7	3767990	0.003306	0.003271	0.000601	0.000335
1618	481278.1	3767990	3.28E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	481278.1	3767990	0.00328	0.003246	0.000596	0.000333
1619	481268.5	3767990	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481268.5	3767990	0.003256	0.003222	0.000592	0.00033
1620	481210.9	3767990	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481210.9	3767990	0.003146	0.003113	0.000572	0.000319
1621	481201.3	3767990	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	481201.3	3767990	0.003133	0.003101	0.000569	0.000318
1622	481191.7	3767990	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	481191.7	3767990	0.003123	0.00309	0.000567	0.000317
1623	481287.7	3767960	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481287.7	3767960	0.00295	0.002919	0.000536	0.000299
1624	481278.1	3767960	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	481278.1	3767960	0.002927	0.002897	0.000532	0.000297
1625	481268.5	3767960	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	481268.5	3767960	0.002906	0.002876	0.000528	0.000295
1626	481220.5	3767960	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	481220.5	3767960	0.002825	0.002795	0.000513	0.000287
1627	481210.9	3767960	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	481210.9	3767960	0.002812	0.002783	0.000511	0.000285
1628	481201.3	3767960	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	481201.3	3767960	0.002801	0.002772	0.000509	0.000284
1629	481191.7	3767960	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	481191.7	3767960	0.002791	0.002761	0.000507	0.000283
1630	481191.8	3767930	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	481191.8	3767930	0.002514	0.002488	0.000457	0.000255
1631	481287.8	3767900	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	481287.8	3767900	0.002403	0.002378	0.000437	0.000244
1632	481278.2	3767900	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	481278.2	3767900	0.002386	0.002361	0.000434	0.000242
1633	481268.6	3767900	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	481268.6	3767900	0.00237	0.002345	0.000431	0.00024
1634	481211	3767900	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481211	3767900	0.002297	0.002273	0.000417	0.000233
1635	481201.4	3767900	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	481201.4	3767900	0.002288	0.002264	0.000416	0.000232
1636	481191.8	3767900	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	481191.8	3767900	0.00228	0.002256	0.000414	0.000231
1637	481287.8	3767870	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	481287.8	3767870	0.002189	0.002166	0.000398	0.000222
1638	481278.2	3767870	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	481278.2	3767870	0.002174	0.002151	0.000395	0.000221
1639	481268.6	3767870	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	481268.6	3767870	0.00216	0.002137	0.000392	0.000219
1640	481220.6	3767870	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	481220.6	3767870	0.002103	0.002081	0.000382	0.000213
1641	481211	3767870	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481211	3767870	0.002094	0.002072	0.00038	0.000212
1642	481201.4	3767870	2.09E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481201.4	3767870	0.002086	0.002064	0.000379	0.000212
1643	481191.8	3767870	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	481191.8	3767870	0.002079	0.002057	0.000378	0.000211
1644	481287.9	3767840	2.01E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	481287.9	3767840	0.002006	0.001985	0.000364	0.000203
1645	481278.3	3767840	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	481278.3	3767840	0.001992	0.001971	0.000362	0.000202
1646	481268.7	3767840	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	481268.7	3767840	0.001979	0.001958	0.00036	0.000201
1647	481220.7	3767840	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481220.7	3767840	0.001927	0.001907	0.00035	0.000195
1648	481211.1	3767840	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481211.1	3767840	0.001919	0.001899	0.000349	0.000195
1649	481201.5	3767840	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	481201.5	3767840	0.001912	0.001892	0.000347	0.000194
1650	481191.9	3767840	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481191.9	3767840	0.001905	0.001885	0.000346	0.000193
1780	481086.3	3768173	7.95E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	481086.3	3768173	0.007946	0.007863	0.001444	0.000806
1789	481057.8	3768175	7.98E-03	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	481057.8	3768175	0.007985	0.007901	0.001451	0.00081
1790	481093.5	3768160	7.25E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	481093.5	3768160	0.007255	0.007179	0.001318	0.000736
1798	480993.7	3768171	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	480993.7	3768171	0.007563	0.007483	0.001374	0.000767
1799	481036.5	3768154	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	481036.5	3768154	0.006803	0.006732	0.001236	0.00069
1800	481072.2	3768139	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481072.2	3768139	0.006255	0.006189	0.001137	0.000634
1801	481107.9	3768125	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	481107.9	3768125	0.005773	0.005712	0.001049	0.000586
1802	481122.2	3768119	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00

1846	481078.3	3768017	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	481078.3	3768017	0.003379	0.003344	0.000614	0.000343
1847	481092.8	3768011	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	481092.8	3768011	0.003309	0.003275	0.000601	0.000336
1848	481107.4	3768005	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	481107.4	3768005	0.003241	0.003207	0.000589	0.000329
1849	481121.9	3767999	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	481121.9	3767999	0.003176	0.003142	0.000577	0.000322
1863	480809.9	3768097	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	480809.9	3768097	0.004446	0.0044	0.000808	0.000451
1864	480824.4	3768091	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	480824.4	3768091	0.00434	0.004295	0.000789	0.00044
1865	480853.4	3768079	4.14E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	480853.4	3768079	0.004143	0.0041	0.000753	0.00042
1866	480889.7	3768064	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	480889.7	3768064	0.003912	0.003871	0.000711	0.000397
1867	480926	3768049	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480926	3768049	0.003707	0.003669	0.000674	0.000376
1868	480962.3	3768034	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	480962.3	3768034	0.003517	0.00348	0.000639	0.000357
1869	480998.6	3768019	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	480998.6	3768019	0.003342	0.003307	0.000607	0.000339
1870	481013.1	3768013	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	481013.1	3768013	0.003279	0.003245	0.000596	0.000333
1871	481027.6	3768008	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	481027.6	3768008	0.003217	0.003183	0.000584	0.000326
1872	481042.1	3768002	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	481042.1	3768002	0.003154	0.003121	0.000573	0.00032
1873	481056.7	3767996	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	481056.7	3767996	0.003092	0.003059	0.000562	0.000314
1874	481071.2	3767990	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	481071.2	3767990	0.003031	0.003	0.000551	0.000308
1875	481085.7	3767984	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	481085.7	3767984	0.002973	0.002942	0.00054	0.000302
1876	481100.2	3767978	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	481100.2	3767978	0.002916	0.002886	0.00053	0.000296
1877	481114.7	3767972	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	481114.7	3767972	0.002861	0.002831	0.00052	0.00029
1878	481129.2	3767966	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	481129.2	3767966	0.002807	0.002778	0.00051	0.000285
1893	480772.4	3768100	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	480772.4	3768100	0.004447	0.0044	0.000808	0.000451
1894	480778.5	3768086	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	480778.5	3768086	0.00415	0.004107	0.000754	0.000421
1895	480788.8	3768075	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	480788.8	3768075	0.00397	0.003929	0.000721	0.000403
1896	480803.3	3768069	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	480803.3	3768069	0.003883	0.003842	0.000706	0.000394
1897	480817.8	3768064	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	480817.8	3768064	0.0038	0.00376	0.00069	0.000385
1898	480832.3	3768058	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	480832.3	3768058	0.00372	0.003682	0.000676	0.000377
1899	480868.5	3768043	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	480868.5	3768043	0.003531	0.003494	0.000642	0.000358
1900	480904.7	3768028	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	480904.7	3768028	0.003363	0.003328	0.000611	0.000341
1901	480940.9	3768013	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	480940.9	3768013	0.003205	0.003171	0.000582	0.000325
1902	480977.2	3767998	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	480977.2	3767998	0.003058	0.003026	0.000556	0.00031
1903	480991.7	3767992	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	480991.7	3767992	0.003004	0.002972	0.000546	0.000305
1904	481006.1	3767986	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481006.1	3767986	0.00295	0.00292	0.000536	0.000299
1905	481020.6	3767980	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	481020.6	3767980	0.002896	0.002866	0.000526	0.000294
1906	481035.1	3767974	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	481035.1	3767974	0.002843	0.002813	0.000517	0.000288
1907	481049.6	3767969	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	481049.6	3767969	0.002792	0.002762	0.000507	0.000283
1908	481064.1	3767963	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	481064.1	3767963	0.002742	0.002713	0.000498	0.000278
1909	481078.6	3767957	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	481078.6	3767957	0.002692	0.002664	0.000489	0.000273
1910	481093.1	3767951	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481093.1	3767951	0.002642	0.002615	0.00048	0.000268
1928	480723.8	3768143	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	480723.8	3768143	0.005463	0.005406	0.000993	0.000554
1929	480754.4	3768071	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	480754.4	3768071	0.003838	0.003798	0.000697	0.000389
1930	480767.7	3768054	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480767.7	3768054	0.003568	0.003531	0.000648	0.000362
1931	480782.2	3768048	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	480782.2	3768048	0.003498	0.003462	0.000636	0.000355
1932	480796.7	3768042	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	480796.7	3768042	0.003431	0.003395	0.000623	0.000348
1933	480811.1	3768036	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	480811.1	3768036	0.003366	0.003331	0.000612	0.000341
1934	480825.6	3768030	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	480825.6	3768030	0.003303	0.003268	0.0006	0.000335
1935	480840.1	3768024	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	480840.1	3768024	0.00324	0.003206	0.000589	0.000329
1936	480854.5	3768018	3.18E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	480854.5	3768018	0.003179	0.003146	0.000578	0.000323
1937	480883.5	3768007	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	480883.5	3768007	0.003065	0.003033	0.000557	0.000311
1938	480919.6	3767992	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	480919.6	3767992	0.002936	0.002905	0.000533	0.000298
1939	480955.8	3767977	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	480955.8	3767977	0.002811	0.002782	0.000511	0.000285
1940	480970.2	3767971	2.76E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	480970.2	3767971	0.002764	0.002735	0.000502	0.00028
1941	480984.7	3767965	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	480984.7	3767965	0.002718	0.002689	0.000494	0.000276
1942	480999.2	3767959	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	480999.2	3767959	0.002671	0.002643	0.000485	0.000271
1943	481013.6	3767953	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	481013.6	3767953	0.002624	0.002597	0.000477	0.000266
1944	481071.5	3767930	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	481071.5	3767930	0.002448	0.002422	0.000445	0.000248
1945	481086	3767924	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	481086	3767924	0.002405	0.00238	0.000437	0.000244
1946	481100.4	3767918	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	481100.4	3767918	0.002364	0.002339	0.00043	0.00024
1947	481114.9	3767912	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	481114.9	3767912	0.002325	0.0023	0.000422	0.000236
1965	480693.6	3768143	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	480693.6	3768143	0.005364	0.005308	0.000975	0.000544
1966	480699.7	3768129	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	480699.7	3768129	0.00498	0.004927	0.000905	0.000505
1967	480705.8	3768115	4.63E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	480705.8	3768115	0.004634	0.004585	0.000842	0.00047
1968	480711.9	3768100	4.32E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	480711.9	3768100	0.004321	0.004276	0.000785	0.000438
1969	480718	3768086	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	480718	3768086	0.004041	0.003999	0.000734	0.00041
1970	480724.2	3768072	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	480724.2	3768072	0.00379	0.003751	0.000689	0.000384
1971	480761.1	3768027	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	480761.1	3768027	0.003175	0.003142	0.000577	0.000322
1972	480775.5	3768021	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	480775.5	3768021	0.003118	0.003085	0.000566	0.000316
1973	480790	3768015	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	480790	3768015	0.003062	0.00303	0.000556	0.000311
1974	480804.4	3768009	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	480804.4	3768009	0.00301	0.002978	0.000547	0.000305
1975	480818.9	3768003	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	480818.9	3768003	0.002959	0.002928	0.000538	0.0003
1976	480833.3	3767997	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	480833.3	3767997	0.002909	0.002878	0.000529	0.000295
1977	480847.8	3767991	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	480847.8	3767991	0.00286	0.00283	0.00052	0.00029
1978	480862.2	3767985	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	480862.2	3767985	0.002812	0.002783	0.000511	0.000285
1979	480898.3	3767971	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	480898.3	3767971	0.002701	0.002673	0.000491	0.000274
1980	480934.4	3767956	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	480934.4	3767956	0.002594	0.002567	0.000471	0.000263
1981	480948.9	3767950	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	480948.9	3767950	0.002554	0.002527	0.000464	0.000259
1982	481006.6	3767926	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	481006.6	3767926	0.002392	0.002367	0.000435	0.000243
1983	481021.1	3767920	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	481021.1	3767920	0.002352	0.002327	0.000427	0.000239
1984	481035.5	3767914	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	481035.5	3767914	0.002314	0.002289	0.00042	0.000235
1985	481050	3767908	2.28E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	481050	3767908	0.002276	0.002252	0.000413	0.000231
1986	481064.4	3767903	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481064.4	3767903	0.002238	0.002214	0.000407	0.000227
1987	481078.9	3767897	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	481078.9	3767897	0.0022	0.002177	0.0004	0.000223
1988	481093.3	3767891	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	481093.3	3767891	0.002165	0.002142	0.000393	0.00022
1989	481107.7	3767885	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	481107.7	3767885	0.002131	0.002109	0.000387	0.000216
1990	481122.2	3767879	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	481122.2	3767879	0.002098	0.002076	0.000381	0.000213
2009	480665.6	3768138	5.14E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	480665.6	3768138	0.005135	0.005081	0.000933	0.000521
2010	480671.8	3768124	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	480671.8	3768124	0.004773	0.004723	0.000867	0.000484
2011	480678	3768109	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	480678	3768109	0.004446	0.004399	0.000808	0.000451
2012	480684.2	3768095	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	480684.2	3768095	0.004149	0.004106	0.000754	0.000421
2013	480690.4	3768080	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	480690.4	3768080	0.003881	0.00384	0.000705	0.000394
2014	480696.6	3768065	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	480696.6	3768065	0.003641	0.003603	0.000662	0.000369
2015	480702.9	3768051	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	480702.9	3768051	0.003426	0.00339	0.000623	0.000348
2018	480725.7	3768011	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	480725.7	3768011	0.002947	0.002916	0.000535	0.000299
2019	480755.1	3767999	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	480755.1	3767999	0.002848	0.002819	0.000518	0.000289
2020	480769.7	3767993	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	480769.7	3767993	0.002801	0.002772	0.000509	0.000284
2021	480784.4	3767987	2.75E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00

3120	481065.9	3768992	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	481065.9	3768992	0.007125	0.00705	0.001295	0.000723
3194	481038.9	3769015	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	481038.9	3769015	0.006746	0.006676	0.001226	0.000684
3195	481048	3769018	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	481048	3769018	0.006492	0.006424	0.00118	0.000659
3196	481057.1	3769020	6.25E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481057.1	3769020	0.006249	0.006184	0.001136	0.000634
3274	481039.3	3769046	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	481039.3	3769046	0.00573	0.005671	0.001041	0.000581
3275	481048.4	3769049	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481048.4	3769049	0.005529	0.005471	0.001005	0.000561
3418	481086.8	3768967	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	481086.8	3768967	0.007723	0.007642	0.001403	0.000783
3419	481100.2	3768971	7.26E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	481100.2	3768971	0.00726	0.007184	0.001319	0.000736
3420	481077.8	3768996	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	481077.8	3768996	0.006747	0.006677	0.001226	0.000684
3421	481091.5	3769000	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	481091.5	3769000	0.006357	0.006291	0.001155	0.000645
3422	481068.7	3769024	5.95E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	481068.7	3769024	0.005946	0.005884	0.00108	0.000603
3423	481082.7	3769029	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	481082.7	3769029	0.005617	0.005558	0.001021	0.00057
3424	481059.7	3769053	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	481059.7	3769053	0.005284	0.005228	0.00096	0.000536
3425	481074	3769057	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	481074	3769057	0.005003	0.00495	0.000909	0.000507
3486	481113.5	3768975	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	481113.5	3768975	0.006838	0.006767	0.001243	0.000694
3487	481105.1	3769004	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481105.1	3769004	0.006002	0.00594	0.001091	0.000609
3488	481118.8	3769008	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481118.8	3769008	0.005681	0.005621	0.001032	0.000576
3489	481096.7	3769033	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481096.7	3769033	0.005317	0.005261	0.000966	0.000539
3490	481110.7	3769037	5.05E-03	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481110.7	3769037	0.005046	0.004993	0.000917	0.000512
6012	481517.3	3768238	3.00E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	481517.3	3768238	0.029955	0.029642	0.005443	0.003039
6013	481507.8	3768238	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	481507.8	3768238	0.029265	0.028959	0.005317	0.002969
6014	481498.3	3768238	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	481498.3	3768238	0.028572	0.028273	0.005191	0.002898
6015	481488.8	3768238	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	481488.8	3768238	0.027835	0.027544	0.005058	0.002824
6016	481479.3	3768238	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	481479.3	3768238	0.027067	0.026784	0.004918	0.002746
6017	481469.8	3768238	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	481469.8	3768238	0.026202	0.025928	0.004761	0.002658
6018	481460.3	3768238	2.53E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	481460.3	3768238	0.025319	0.025054	0.0046	0.002568
6019	481450.8	3768238	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481450.8	3768238	0.024432	0.024177	0.004439	0.002478
6020	481441.3	3768238	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	481441.3	3768238	0.023551	0.023305	0.004279	0.002389
6021	481431.8	3768238	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481431.8	3768238	0.022686	0.022449	0.004122	0.002301
6022	481422.3	3768238	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	481422.3	3768238	0.021847	0.021619	0.00397	0.002216
6023	481412.7	3768238	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481412.7	3768238	0.021047	0.020827	0.003824	0.002135
6024	481403.2	3768238	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	481403.2	3768238	0.020294	0.020082	0.003687	0.002059
6025	481393.7	3768238	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	481393.7	3768238	0.019595	0.01939	0.00356	0.001988
6026	481384.2	3768238	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481384.2	3768238	0.018953	0.018755	0.003444	0.001923
6027	481374.7	3768238	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	481374.7	3768238	0.018372	0.01818	0.003338	0.001864
6028	481365.2	3768238	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481365.2	3768238	0.017855	0.017668	0.003244	0.001811
6029	481355.7	3768238	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	481355.7	3768238	0.017405	0.017223	0.003162	0.001766
6030	481346.2	3768238	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481346.2	3768238	0.017024	0.016846	0.003093	0.001727
6037	481602	3768260	4.00E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	481602	3768260	0.039968	0.03955	0.007262	0.004054
6038	481613.8	3768272	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	481613.8	3768272	0.043991	0.043531	0.007993	0.004462
6042	481517.4	3768228	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	481517.4	3768228	0.026739	0.02646	0.004858	0.002712
6043	481507.9	3768228	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	481507.9	3768228	0.026095	0.025822	0.004741	0.002647
6044	481498.4	3768228	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	481498.4	3768228	0.025452	0.025186	0.004625	0.002582
6045	481488.9	3768228	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	481488.9	3768228	0.024776	0.024517	0.004502	0.002513
6046	481479.4	3768228	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	481479.4	3768228	0.024078	0.023826	0.004375	0.002442
6047	481469.8	3768228	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	481469.8	3768228	0.023306	0.023062	0.004235	0.002364
6048	481460.3	3768228	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	481460.3	3768228	0.022522	0.022287	0.004092	0.002285
6049	481450.8	3768228	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	481450.8	3768228	0.021741	0.021514	0.00395	0.002205
6050	481441.3	3768228	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481441.3	3768228	0.020972	0.020752	0.003811	0.002127
6051	481431.8	3768228	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	481431.8	3768228	0.02022	0.020009	0.003674	0.002051
6052	481422.3	3768228	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	481422.3	3768228	0.019494	0.01929	0.003542	0.001977
6053	481412.8	3768228	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481412.8	3768228	0.018803	0.018607	0.003417	0.001907
6054	481403.3	3768228	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481403.3	3768228	0.018156	0.017966	0.003299	0.001842
6055	481393.8	3768228	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	481393.8	3768228	0.017555	0.017371	0.00319	0.001781
6056	481384.3	3768228	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481384.3	3768228	0.017002	0.016825	0.003089	0.001725
6057	481374.8	3768228	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481374.8	3768228	0.016501	0.016329	0.002998	0.001674
6058	481365.2	3768228	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481365.2	3768228	0.016051	0.015883	0.002916	0.001628
6059	481355.7	3768228	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481355.7	3768228	0.015657	0.015493	0.002845	0.001588
6060	481346.2	3768228	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481346.2	3768228	0.015317	0.015157	0.002783	0.001554
6065	481620.7	3768265	4.06E-02	0.00E+00	0.00E+00	4.01E-02	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	481620.7	3768265	0.040571	0.040146	0.007372	0.004115
6068	481640.9	3768314	5.77E-02	0.00E+00	0.00E+00	5.71E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	481640.9	3768314	0.057724	0.05712	0.010488	0.005855
6069	481517.4	3768219	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481517.4	3768219	0.023997	0.023746	0.00436	0.002434
6070	481507.9	3768219	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	481507.9	3768219	0.0234	0.023155	0.004252	0.002374
6071	481498.4	3768219	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	481498.4	3768219	0.022806	0.022567	0.004144	0.002313
6072	481488.9	3768219	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	481488.9	3768219	0.022192	0.02196	0.004032	0.002251
6073	481479.4	3768218	2.16E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	481479.4	3768218	0.021559	0.021334	0.003917	0.002187
6074	481469.9	3768218	2.09E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	481469.9	3768218	0.020866	0.020647	0.003791	0.002117
6075	481460.4	3768218	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	481460.4	3768218	0.020171	0.01996	0.003665	0.002046
6076	481450.9	3768218	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	481450.9	3768218	0.019482	0.019278	0.00354	0.001976
6077	481441.4	3768218	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481441.4	3768218	0.01881	0.018613	0.003418	0.001908
6078	481431.8	3768218	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481431.8	3768218	0.018154	0.017964	0.003299	0.001842
6079	481422.3	3768218	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	481422.3	3768218	0.017522	0.017339	0.003184	0.001777
6080	481412.8	3768218	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481412.8	3768218	0.016924	0.016747	0.003075	0.001717
6081	481403.3	3768218	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481403.3	3768218	0.016362	0.016191	0.002973	0.00166
6082	481393.8	3768218	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481393.8	3768218	0.015844	0.015678	0.002879	0.001607
6083	481384.3	3768218	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	481384.3	3768218	0.015364	0.015203	0.002792	0.001559
6084	481374.8	3768218	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481374.8	3768218	0.014927	0.014771	0.002712	0.001514
6085	481365.3	3768218	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	481365.3	3768218	0.014533	0.014381	0.002641	0.001474
6086	481355.8	3768218	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481355.8	3768218	0.014185	0.014037	0.002577	0.001439
6087	481346.3	3768218	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481346.3	3768218	0.013883	0.013738	0.002522	0.001408
6088	481336.8	3768218	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481336.8	3768218	0.013619	0.013477	0.002475	0.001382
6092	481616.2	3768246	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	481616.2	3768246	0.034396	0.034036	0.00625	0.003489
6093	481627.7	3768258	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	481627.7	3768258	0.037565	0.037172	0.006826	0.003811
6094	481634.3	3768274	4.27E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	481634.3	3768274	0.042719	0.042272	0.007762	0.004333
6095	481640.9	3768291	4.80E-02	0.00E+00	0.00E+00	4.75E-02	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	481640.9	3768291	0.047978	0.047477	0.008718	0.004867
6096	481647.6	3768307	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	481647.6	3768307	0.053008	0.052454	0.009632	0.005377
6097	481654.2	3768323	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	481654.2	3768323	0.057421	0.056821	0.010433	0.005825
6098	481517.5	3768209	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481517.5	3768209	0.021643	0.021417	0.003933	0.002195
6099	481508	3768209	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	481508	3768209	0.021093	0.020872	0.003833	0.00214
6100	481498.5	3768209	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	481498.5	3768209	0.020549	0.020334	0.003734	0.002084
6101	481488.9	3768209	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481488.9	3768209	0.019989	0.01978	0.003632	0.002028
6102	481479.4	3768209	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	481479.4	3768209	0.019417	0.019214	0.003528	0.00197
6103	481469.9	3768209	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481469.9	3768209	0.018798	0.018601	0.003416	0.001907
6104	481460.4	3768209	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481460.4	3768209	0.01818	0.01799	0.003303	0.001844
6105	481450.9	3768209	1.76E-02	0.00E+00	0.00E+00	1.74E-02

6140	481479.5	3768199	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	481479.5	3768199	0.017582	0.017398	0.003195	0.001784
6141	481470	3768199	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481470	3768199	0.017028	0.01685	0.003094	0.001727
6142	481460.5	3768199	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481460.5	3768199	0.016478	0.016306	0.002994	0.001672
6143	481450.9	3768199	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481450.9	3768199	0.01594	0.015773	0.002896	0.001617
6144	481441.4	3768199	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	481441.4	3768199	0.015416	0.015255	0.002801	0.001564
6145	481431.9	3768199	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481431.9	3768199	0.01491	0.014754	0.002709	0.001512
6146	481422.4	3768199	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481422.4	3768199	0.014424	0.014273	0.002621	0.001463
6147	481412.9	3768199	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481412.9	3768199	0.013966	0.01382	0.002538	0.001417
6148	481403.4	3768198	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481403.4	3768198	0.013536	0.013395	0.00246	0.001373
6149	481393.9	3768198	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481393.9	3768198	0.013138	0.013001	0.002387	0.001333
6150	481384.4	3768198	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481384.4	3768198	0.01277	0.012636	0.00232	0.001295
6151	481374.9	3768198	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481374.9	3768198	0.012432	0.012302	0.002259	0.001261
6152	481365.4	3768198	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481365.4	3768198	0.012125	0.011998	0.002203	0.00123
6153	481355.9	3768198	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	481355.9	3768198	0.011851	0.011727	0.002153	0.001202
6154	481346.3	3768198	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481346.3	3768198	0.01161	0.011489	0.00211	0.001178
6155	481336.8	3768198	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481336.8	3768198	0.011396	0.011277	0.002071	0.001156
6162	481604.1	3768222	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	481604.1	3768222	0.027512	0.027225	0.004999	0.002791
6163	481612.7	3768225	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481612.7	3768225	0.028392	0.028095	0.005159	0.00288
6164	481621.2	3768229	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	481621.2	3768229	0.029198	0.028892	0.005305	0.002962
6165	481629.8	3768232	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	481629.8	3768232	0.029923	0.02961	0.005437	0.003035
6166	481641.9	3768245	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	481641.9	3768245	0.032732	0.03239	0.005947	0.00332
6167	481645.4	3768253	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	481645.4	3768253	0.034941	0.034576	0.006349	0.003544
6168	481648.8	3768262	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	481648.8	3768262	0.037211	0.036822	0.006761	0.003775
6169	481652.3	3768270	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	481652.3	3768270	0.03951	0.039097	0.007179	0.004008
6170	481655.8	3768279	4.18E-02	0.00E+00	0.00E+00	4.14E-02	0.00E+00	0.00E+00	7.60E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	481655.8	3768279	0.041809	0.041372	0.007597	0.004241
6171	481659.3	3768288	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	481659.3	3768288	0.044076	0.043615	0.008009	0.004471
6172	481662.8	3768296	4.63E-02	0.00E+00	0.00E+00	4.58E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	481662.8	3768296	0.046252	0.045768	0.008404	0.004692
6173	481666.3	3768305	4.83E-02	0.00E+00	0.00E+00	4.78E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	481666.3	3768305	0.048315	0.04781	0.008779	0.004901
6174	481669.8	3768313	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	481669.8	3768313	0.050217	0.049692	0.009124	0.005094
6175	481673.3	3768322	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	481673.3	3768322	0.051927	0.051384	0.009435	0.005267
6176	481517.5	3768189	1.78E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481517.5	3768189	0.017846	0.017659	0.003243	0.00181
6177	481508	3768189	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481508	3768189	0.017381	0.0172	0.003158	0.001763
6178	481498.5	3768189	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481498.5	3768189	0.016927	0.01675	0.003076	0.001717
6179	481489	3768189	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481489	3768189	0.016465	0.016293	0.002992	0.00167
6180	481479.5	3768189	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481479.5	3768189	0.016	0.015833	0.002907	0.001623
6181	481470	3768189	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481470	3768189	0.015503	0.015341	0.002817	0.001573
6182	481460.5	3768189	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481460.5	3768189	0.015012	0.014855	0.002728	0.001523
6183	481451	3768189	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	481451	3768189	0.014532	0.01438	0.00264	0.001474
6184	481441.5	3768189	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	481441.5	3768189	0.014068	0.013921	0.002556	0.001427
6185	481432	3768189	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481432	3768189	0.013619	0.013476	0.002475	0.001381
6186	481422.5	3768189	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481422.5	3768189	0.01319	0.013052	0.002397	0.001338
6187	481413	3768189	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481413	3768189	0.012785	0.012652	0.002323	0.001297
6188	481403.4	3768189	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481403.4	3768189	0.012407	0.012277	0.002254	0.001258
6189	481393.9	3768189	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481393.9	3768189	0.012055	0.011929	0.00219	0.001223
6190	481384.4	3768189	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481384.4	3768189	0.011729	0.011606	0.002131	0.00119
6191	481374.9	3768189	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481374.9	3768189	0.01143	0.01131	0.002077	0.001159
6192	481365.4	3768188	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481365.4	3768188	0.011157	0.01104	0.002027	0.001132
6193	481355.9	3768188	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481355.9	3768188	0.010912	0.010798	0.001983	0.001107
6194	481346.4	3768188	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481346.4	3768188	0.010694	0.010582	0.001943	0.001085
6195	481336.9	3768188	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	481336.9	3768188	0.0105	0.01039	0.001908	0.001065
6203	481611.6	3768215	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	481611.6	3768215	0.025873	0.025602	0.004701	0.002625
6204	481620	3768218	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	481620	3768218	0.026666	0.026387	0.004845	0.002705
6205	481628.5	3768222	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	481628.5	3768222	0.027395	0.027109	0.004978	0.002779
6206	481636.9	3768225	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	481636.9	3768225	0.028077	0.027783	0.005101	0.002848
6207	481648.8	3768237	3.06E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	481648.8	3768237	0.030607	0.030287	0.005561	0.003105
6208	481652.3	3768246	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	481652.3	3768246	0.03259	0.03225	0.005922	0.003306
6209	481655.7	3768254	3.46E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	481655.7	3768254	0.034625	0.034263	0.006291	0.003512
6210	481659.2	3768263	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	481659.2	3768263	0.036696	0.036312	0.006668	0.003722
6211	481662.6	3768271	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	481662.6	3768271	0.038765	0.03836	0.007044	0.003932
6212	481666.1	3768280	4.08E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	481666.1	3768280	0.040809	0.040383	0.007415	0.00414
6213	481669.5	3768288	4.28E-02	0.00E+00	0.00E+00	4.24E-02	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	481669.5	3768288	0.042806	0.042358	0.007778	0.004342
6214	481673	3768297	4.47E-02	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	481673	3768297	0.044721	0.044253	0.008126	0.004536
6215	481679.9	3768314	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.75E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	481679.9	3768314	0.048165	0.047662	0.008752	0.004886
6216	481683.3	3768322	4.96E-02	0.00E+00	0.00E+00	4.91E-02	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	481683.3	3768322	0.049633	0.049114	0.009018	0.005035
6217	481517.6	3768179	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	481517.6	3768179	0.016306	0.016135	0.002963	0.001654
6218	481508.1	3768179	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481508.1	3768179	0.015879	0.015713	0.002885	0.001611
6219	481498.6	3768179	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481498.6	3768179	0.015466	0.015304	0.00281	0.001569
6220	481489.1	3768179	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481489.1	3768179	0.015046	0.014889	0.002734	0.001526
6221	481479.6	3768179	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481479.6	3768179	0.014624	0.014471	0.002657	0.001483
6222	481470	3768179	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481470	3768179	0.014178	0.01403	0.002576	0.001438
6223	481460.5	3768179	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481460.5	3768179	0.013739	0.013595	0.002496	0.001394
6224	481451	3768179	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481451	3768179	0.01331	0.013171	0.002418	0.00135
6225	481441.5	3768179	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481441.5	3768179	0.012896	0.012761	0.002343	0.001308
6226	481432	3768179	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481432	3768179	0.012497	0.012367	0.002271	0.001268
6227	481422.5	3768179	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481422.5	3768179	0.012117	0.01199	0.002202	0.001229
6228	481413	3768179	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481413	3768179	0.011757	0.011634	0.002136	0.001193
6229	481403.5	3768179	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481403.5	3768179	0.011421	0.011302	0.002075	0.001159
6230	481394	3768179	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481394	3768179	0.011109	0.010992	0.002018	0.001127
6231	481384.5	3768179	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481384.5	3768179	0.010819	0.010706	0.001966	0.001097
6232	481375	3768179	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	481375	3768179	0.010552	0.010442	0.001917	0.00107
6233	481365.4	3768179	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481365.4	3768179	0.010309	0.010201	0.001873	0.001046
6234	481355.9	3768179	1.01E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481355.9	3768179	0.010089	0.009983	0.001833	0.001023
6235	481346.4	3768179	9.89E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481346.4	3768179	0.009891	0.009788	0.001797	0.001003
6236	481336.9	3768179	9.71E-03	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	481336.9	3768179	0.009714	0.009612	0.001765	0.000985
6237	481552.2	3768180	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	481552.2	3768180	0.017788	0.017602	0.003232	0.001804
6238	481560.5	3768184	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	481560.5	3768184	0.018628	0.018434	0.003385	0.00189
6244	481610.6	3768205	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	481610.6	3768205	0.023628	0.023381	0.004293	0.002397
6245	481619	3768208	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	481619	3768208	0.024391	0.024136	0.004432	0.002474
6246	481627.3	3768212	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	481627.3	3768212	0.025109	0.024846	0.004562	0.002547
6247	481635.7	3768215	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	481635.7	3768215	0.025775	0.025505	0.004683	0.002615
6248	481644	3768219	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	481644	3768219	0.026394	0.026118	0.004796	0.002677
6249	481655.8	3768230	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	481655.8	3768230	0.028695	0.028395	0.005214	0.002911
6250	481662.6	3768247	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	481662.6	3768247	0.032312	0.031974	0.005871	0.003278
6251	481669.4	3768264	3.60E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	481669.4	3768264	0.036042	0.035665	0.006549	0.003656
6252	481672.8	3768272	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03

6283	481662.7	3768223	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	481662.7	3768223	0.026954	0.026672	0.004897	0.002734
6284	481669.5	3768240	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	481669.5	3768240	0.030224	0.029908	0.005492	0.003066
6285	481676.2	3768257	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481676.2	3768257	0.033614	0.033263	0.006108	0.00341
6286	481683	3768273	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	481683	3768273	0.037	0.036613	0.006723	0.003753
6287	481689.7	3768290	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	481689.7	3768290	0.04022	0.039799	0.007308	0.00408
6288	481693.1	3768298	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	481693.1	3768298	0.041723	0.041287	0.007581	0.004232
6289	481699.8	3768315	4.44E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	481699.8	3768315	0.044378	0.043914	0.008063	0.004502
6290	481517.7	3768160	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	481517.7	3768160	0.013763	0.013619	0.002501	0.001396
6291	481508.2	3768160	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481508.2	3768160	0.013405	0.013265	0.002436	0.00136
6292	481498.7	3768160	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481498.7	3768160	0.013059	0.012922	0.002373	0.001325
6293	481489.1	3768159	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481489.1	3768159	0.012711	0.012578	0.00231	0.001289
6294	481479.6	3768159	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481479.6	3768159	0.012365	0.012236	0.002247	0.001254
6295	481470.1	3768159	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481470.1	3768159	0.012003	0.011877	0.002181	0.001218
6296	481460.6	3768159	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481460.6	3768159	0.011648	0.011526	0.002116	0.001182
6297	481451.1	3768159	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481451.1	3768159	0.011302	0.011184	0.002054	0.001147
6298	481441.6	3768159	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481441.6	3768159	0.010971	0.010856	0.001993	0.001113
6299	481432.1	3768159	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481432.1	3768159	0.010652	0.01054	0.001935	0.001081
6300	481422.6	3768159	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481422.6	3768159	0.010347	0.010239	0.00188	0.00105
6301	481413.1	3768159	1.01E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481413.1	3768159	0.01006	0.009955	0.001828	0.00102
6302	481403.6	3768159	9.79E-03	0.00E+00	0.00E+00	9.69E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	481403.6	3768159	0.009791	0.009689	0.001779	0.000993
6303	481394.1	3768159	9.54E-03	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	481394.1	3768159	0.009541	0.009441	0.001734	0.000968
6304	481384.5	3768159	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	481384.5	3768159	0.009309	0.009212	0.001691	0.000944
6305	481375	3768159	9.09E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	481375	3768159	0.009094	0.008999	0.001652	0.000922
6306	481365.5	3768159	8.90E-03	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	481365.5	3768159	0.008898	0.008805	0.001617	0.000903
6307	481356	3768159	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	481356	3768159	0.008718	0.008627	0.001584	0.000884
6308	481346.5	3768159	8.55E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	481346.5	3768159	0.008555	0.008465	0.001554	0.000868
6309	481337	3768159	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	481337	3768159	0.008407	0.008319	0.001528	0.000853
6310	481553.3	3768161	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481553.3	3768161	0.015124	0.014965	0.002748	0.001534
6311	481562	3768164	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481562	3768164	0.015851	0.015685	0.00288	0.001608
6312	481570.7	3768168	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481570.7	3768168	0.016588	0.016415	0.003014	0.001683
6313	481579.4	3768172	1.73E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481579.4	3768172	0.017331	0.01715	0.003149	0.001758
6314	481588.1	3768175	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481588.1	3768175	0.018075	0.017886	0.003284	0.001833
6315	481596.8	3768179	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481596.8	3768179	0.018815	0.018618	0.003419	0.001909
6316	481614.2	3768186	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	481614.2	3768186	0.020284	0.020072	0.003686	0.002058
6317	481622.9	3768190	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481622.9	3768190	0.020991	0.020771	0.003814	0.002129
6318	481631.6	3768194	2.17E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481631.6	3768194	0.021665	0.021438	0.003936	0.002198
6319	481640.3	3768197	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	481640.3	3768197	0.022289	0.022056	0.00405	0.002261
6320	481649	3768201	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	481649	3768201	0.022875	0.022636	0.004156	0.00232
6321	481657.6	3768205	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	481657.6	3768205	0.023423	0.023178	0.004256	0.002376
6322	481669.9	3768217	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	481669.9	3768217	0.025452	0.025186	0.004625	0.002582
6323	481673.4	3768226	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	481673.4	3768226	0.027027	0.026744	0.004911	0.002742
6324	481677	3768234	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	481677	3768234	0.02863	0.028331	0.005202	0.002904
6325	481680.6	3768243	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	481680.6	3768243	0.030267	0.02995	0.005499	0.00307
6326	481684.1	3768252	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	481684.1	3768252	0.031922	0.031588	0.0058	0.003238
6327	481687.7	3768261	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481687.7	3768261	0.033576	0.033225	0.006101	0.003406
6328	481691.2	3768269	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	481691.2	3768269	0.035216	0.034848	0.006399	0.003572
6329	481694.8	3768278	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	481694.8	3768278	0.036822	0.036437	0.00669	0.003735
6330	481698.3	3768287	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	481698.3	3768287	0.038365	0.037963	0.006971	0.003892
6331	481701.9	3768296	3.98E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	481701.9	3768296	0.039821	0.039404	0.007235	0.004039
6332	481705.4	3768304	4.12E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	481705.4	3768304	0.041163	0.040733	0.007479	0.004176
6333	481709	3768313	4.24E-02	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	481709	3768313	0.042374	0.04193	0.007699	0.004298
6334	481712.5	3768322	4.34E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	481712.5	3768322	0.043429	0.042974	0.007891	0.004405
6335	481517.7	3768150	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481517.7	3768150	0.012708	0.012575	0.002309	0.001289
6336	481508.2	3768150	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481508.2	3768150	0.01238	0.01225	0.002249	0.001256
6337	481498.7	3768150	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481498.7	3768150	0.012062	0.011936	0.002192	0.001224
6338	481489.2	3768150	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481489.2	3768150	0.011746	0.011623	0.002134	0.001191
6339	481479.7	3768150	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481479.7	3768150	0.011431	0.011312	0.002077	0.00116
6340	481470.2	3768150	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481470.2	3768150	0.011104	0.010988	0.002018	0.001126
6341	481460.7	3768150	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481460.7	3768150	0.010783	0.01067	0.001959	0.001094
6342	481451.2	3768149	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481451.2	3768149	0.010472	0.010363	0.001903	0.001062
6343	481441.6	3768149	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481441.6	3768149	0.010174	0.010067	0.001849	0.001032
6344	481432.1	3768149	9.89E-03	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481432.1	3768149	0.009886	0.009783	0.001796	0.001003
6345	481422.6	3768149	9.61E-03	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	481422.6	3768149	0.009612	0.009512	0.001747	0.000975
6346	481413.1	3768149	9.35E-03	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	481413.1	3768149	0.009354	0.009256	0.0017	0.000949
6347	481403.6	3768149	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	481403.6	3768149	0.009112	0.009017	0.001656	0.000924
6348	481394.1	3768149	8.89E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	481394.1	3768149	0.008887	0.008794	0.001615	0.000902
6349	481384.6	3768149	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	481384.6	3768149	0.008678	0.008587	0.001577	0.00088
6350	481375.1	3768149	8.48E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481375.1	3768149	0.008484	0.008395	0.001541	0.000861
6351	481365.6	3768149	8.31E-03	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	481365.6	3768149	0.008305	0.008219	0.001509	0.000842
6352	481356.1	3768149	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	481356.1	3768149	0.008142	0.008057	0.001479	0.000826
6353	481346.6	3768149	7.99E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	481346.6	3768149	0.007994	0.00791	0.001452	0.000811
6354	481337	3768149	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	481337	3768149	0.007859	0.007777	0.001428	0.000797
6355	481553	3768151	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481553	3768151	0.013944	0.013799	0.002534	0.001414
6356	481561.6	3768154	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481561.6	3768154	0.014599	0.014446	0.002653	0.001481
6357	481570.2	3768158	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481570.2	3768158	0.015264	0.015105	0.002774	0.001548
6358	481578.8	3768162	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481578.8	3768162	0.015937	0.01577	0.002896	0.001617
6359	481587.4	3768165	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	481587.4	3768165	0.016615	0.016442	0.003019	0.001685
6360	481596	3768169	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	481596	3768169	0.017292	0.017111	0.003142	0.001754
6361	481604.6	3768172	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	481604.6	3768172	0.017972	0.017784	0.003265	0.001823
6362	481613.2	3768176	1.86E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	481613.2	3768176	0.018649	0.018454	0.003389	0.001892
6363	481621.8	3768180	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	481621.8	3768180	0.019311	0.019109	0.003509	0.001959
6364	481630.4	3768183	2.00E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481630.4	3768183	0.019952	0.019743	0.003625	0.002024
6365	481639	3768187	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	481639	3768187	0.020548	0.020333	0.003734	0.002084
6366	481647.6	3768191	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	481647.6	3768191	0.021113	0.020892	0.003836	0.002142
6367	481656.2	3768194	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481656.2	3768194	0.021644	0.021417	0.003933	0.002195
6368	481664.7	3768198	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	481664.7	3768198	0.022148	0.021916	0.004024	0.002247
6369	481676.9	3768210	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481676.9	3768210	0.024	0.023749	0.004361	0.002435
6370	481680.4	3768219	2.54E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	481680.4	3768219	0.025427	0.025161	0.00462	0.002579
6371	481683.9	3768227	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	481683.9	3768227	0.026892	0.026611	0.004886	0.002728
6372	481687.4	3768236	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481687.4	3768236	0.028381	0.028084	0.005157	0.002879
6373	481690.9	3768244	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	481690.9	3768244	0.029892	0.02958	0.005431	0.003032
6374	481694.4	3768253	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	481694.4	3768253	0.03142	0.031091	0.005709	0.003187
6375	481697.9	3768262	3.29E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	481697.9	3768262	0.032935	0.032591	0.005984	0.003341
6376	481701.4	3768270	3.44E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	481701.4	3768270	0.034425	0.034065	0.006255	0.003492
6377	481704.9	3768279	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+

6406	481578.3	3768152	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481578.3	3768152	0.014699	0.014546	0.002671	0.001491
6407	481586.8	3768155	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481586.8	3768155	0.015317	0.015157	0.002783	0.001554
6408	481595.3	3768159	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481595.3	3768159	0.015936	0.015769	0.002896	0.001616
6409	481603.8	3768162	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481603.8	3768162	0.01656	0.016387	0.003009	0.00168
6410	481612.3	3768166	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	481612.3	3768166	0.017187	0.017007	0.003123	0.001743
6411	481620.8	3768169	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481620.8	3768169	0.017803	0.017617	0.003235	0.001806
6412	481629.3	3768173	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481629.3	3768173	0.018405	0.018213	0.003344	0.001867
6413	481637.8	3768177	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481637.8	3768177	0.018974	0.018775	0.003447	0.001925
6414	481646.3	3768180	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	481646.3	3768180	0.019516	0.019312	0.003546	0.00198
6415	481654.8	3768184	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481654.8	3768184	0.020034	0.019825	0.00364	0.002032
6416	481663.3	3768187	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	481663.3	3768187	0.020526	0.020311	0.00373	0.002082
6417	481671.8	3768191	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481671.8	3768191	0.020994	0.020775	0.003815	0.00213
6418	481683.8	3768203	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481683.8	3768203	0.022683	0.022446	0.004122	0.002301
6419	481687.3	3768211	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481687.3	3768211	0.023982	0.023731	0.004358	0.002433
6420	481690.8	3768220	2.53E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	481690.8	3768220	0.025319	0.025054	0.0046	0.002568
6421	481694.2	3768229	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	481694.2	3768229	0.026689	0.02641	0.004849	0.002707
6422	481697.7	3768237	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	481697.7	3768237	0.02808	0.027786	0.005102	0.002848
6423	481701.2	3768246	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	481701.2	3768246	0.02948	0.029172	0.005357	0.00299
6424	481704.6	3768254	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	481704.6	3768254	0.03088	0.030557	0.005611	0.003132
6425	481708.1	3768263	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	481708.1	3768263	0.032259	0.031922	0.005861	0.003272
6426	481711.6	3768271	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481711.6	3768271	0.033605	0.033253	0.006106	0.003409
6427	481715.1	3768280	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	481715.1	3768280	0.0349	0.034535	0.006341	0.00354
6428	481718.5	3768288	3.61E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	481718.5	3768288	0.036127	0.035749	0.006564	0.003665
6429	481722	3768297	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	481722	3768297	0.037262	0.036872	0.00677	0.00378
6430	481725.5	3768305	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	481725.5	3768305	0.038289	0.037888	0.006957	0.003884
6431	481729	3768314	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	481729	3768314	0.039199	0.038789	0.007122	0.003976
6432	481732.4	3768323	4.00E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	481732.4	3768323	0.039975	0.039557	0.007263	0.004055
6433	481517.8	3768130	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481517.8	3768130	0.010931	0.010817	0.001986	0.001109
6434	481508.3	3768130	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481508.3	3768130	0.010655	0.010543	0.001936	0.001081
6435	481498.8	3768130	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481498.8	3768130	0.010389	0.01028	0.001888	0.001054
6436	481489.3	3768130	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481489.3	3768130	0.010125	0.010019	0.00184	0.001027
6437	481479.8	3768130	9.86E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481479.8	3768130	0.009863	0.00976	0.001792	0.001001
6438	481470.3	3768130	9.59E-03	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	481470.3	3768130	0.009594	0.009493	0.001743	0.000973
6439	481460.7	3768130	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	481460.7	3768130	0.00933	0.009233	0.001695	0.000946
6440	481451.2	3768130	9.08E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	481451.2	3768130	0.009075	0.00898	0.001649	0.000921
6441	481441.7	3768130	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	481441.7	3768130	0.008831	0.008739	0.001605	0.000896
6442	481432.2	3768130	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	481432.2	3768130	0.008596	0.008506	0.001562	0.000872
6443	481422.7	3768130	8.37E-03	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	481422.7	3768130	0.008372	0.008284	0.001521	0.000849
6444	481413.2	3768130	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	481413.2	3768130	0.00816	0.008075	0.001483	0.000828
6445	481403.7	3768130	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	481403.7	3768130	0.007962	0.007879	0.001447	0.000808
6446	481394.2	3768130	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	481394.2	3768130	0.007777	0.007696	0.001413	0.000789
6447	481384.7	3768130	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	481384.7	3768130	0.007604	0.007525	0.001382	0.000771
6448	481375.2	3768130	7.44E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	481375.2	3768130	0.007444	0.007366	0.001353	0.000755
6449	481365.7	3768129	7.30E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	481365.7	3768129	0.007296	0.00722	0.001326	0.00074
6450	481356.1	3768129	7.16E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	481356.1	3768129	0.007161	0.007086	0.001301	0.000726
6451	481346.6	3768129	7.04E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	481346.6	3768129	0.007037	0.006963	0.001279	0.000714
6452	481337.1	3768129	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	481337.1	3768129	0.006924	0.006851	0.001258	0.000702
6453	481552.6	3768131	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481552.6	3768131	0.011957	0.011832	0.002173	0.001213
6454	481561	3768134	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481561	3768134	0.012492	0.012361	0.00227	0.001267
6455	481569.4	3768138	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481569.4	3768138	0.013038	0.012902	0.002369	0.001323
6456	481577.9	3768142	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481577.9	3768142	0.013594	0.013451	0.00247	0.001379
6457	481586.3	3768145	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481586.3	3768145	0.014157	0.014009	0.002572	0.001436
6458	481594.7	3768149	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481594.7	3768149	0.014724	0.01457	0.002675	0.001494
6459	481603.1	3768152	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481603.1	3768152	0.015297	0.015137	0.002779	0.001552
6460	481611.5	3768156	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481611.5	3768156	0.015876	0.01571	0.002885	0.00161
6461	481620	3768159	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481620	3768159	0.016449	0.016277	0.002989	0.001669
6462	481628.4	3768163	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481628.4	3768163	0.017012	0.016834	0.003091	0.001726
6463	481636.8	3768166	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	481636.8	3768166	0.017551	0.017367	0.003189	0.00178
6464	481645.2	3768170	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481645.2	3768170	0.018069	0.01788	0.003283	0.001833
6465	481653.7	3768173	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	481653.7	3768173	0.018565	0.018371	0.003373	0.001883
6466	481662.1	3768177	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481662.1	3768177	0.019042	0.018843	0.00346	0.001932
6467	481670.5	3768180	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	481670.5	3768180	0.019504	0.0193	0.003544	0.001978
6468	481678.9	3768184	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481678.9	3768184	0.019936	0.019728	0.003622	0.002022
6469	481690.8	3768196	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481690.8	3768196	0.021483	0.021258	0.003903	0.002179
6470	481694.2	3768204	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481694.2	3768204	0.022669	0.022432	0.004119	0.0023
6471	481701.1	3768221	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	481701.1	3768221	0.025154	0.024891	0.00457	0.002552
6472	481704.5	3768230	2.64E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	481704.5	3768230	0.026437	0.02616	0.004804	0.002682
6473	481708	3768238	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	481708	3768238	0.027726	0.027436	0.005038	0.002812
6474	481711.4	3768247	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	481711.4	3768247	0.029016	0.028713	0.005272	0.002943
6475	481714.9	3768255	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	481714.9	3768255	0.030296	0.029979	0.005505	0.003073
6476	481718.3	3768264	3.16E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	481718.3	3768264	0.031552	0.031222	0.005733	0.003201
6477	481725.2	3768281	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	481725.2	3768281	0.033917	0.033562	0.006163	0.00344
6478	481728.6	3768289	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	481728.6	3768289	0.035002	0.034636	0.00636	0.00355
6479	481732.1	3768297	3.60E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	481732.1	3768297	0.036004	0.035628	0.006542	0.003652
6480	481735.5	3768306	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	481735.5	3768306	0.037641	0.037247	0.006839	0.003818
6481	481738.9	3768314	3.86E-02	0.00E+00	0.00E+00	3.82E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	481738.9	3768314	0.038592	0.038188	0.007012	0.003915
6482	481517.8	3768120	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481517.8	3768120	0.010181	0.010074	0.00185	0.001033
6483	481508.3	3768120	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481508.3	3768120	0.009926	0.009823	0.001804	0.001007
6484	481498.8	3768120	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	481498.8	3768120	0.009682	0.009581	0.001759	0.000982
6485	481489.3	3768120	9.44E-03	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	481489.3	3768120	0.00944	0.009342	0.001715	0.000958
6486	481479.8	3768120	9.20E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	481479.8	3768120	0.009202	0.009105	0.001672	0.000933
6487	481470.3	3768120	8.96E-03	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	481470.3	3768120	0.008956	0.008862	0.001627	0.000908
6488	481460.8	3768120	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	481460.8	3768120	0.008716	0.008625	0.001584	0.000884
6489	481451.3	3768120	8.48E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481451.3	3768120	0.008484	0.008396	0.001542	0.000861
6490	481441.8	3768120	8.26E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	481441.8	3768120	0.008262	0.008175	0.001501	0.000838
6491	481432.3	3768120	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	481432.3	3768120	0.008048	0.007964	0.001462	0.000816
6492	481422.7	3768120	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	481422.7	3768120	0.007844	0.007762	0.001425	0.000796
6493	481413.2	3768120	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	481413.2	3768120	0.007652	0.007572	0.00139	0.000776
6494	481403.7	3768120	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	481403.7	3768120	0.007472	0.007394	0.001358	0.000758
6495	481394.2	3768120	7.30E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	481394.2	3768120	0.007303	0.007227	0.001327	0.000741
6496	481384.7	3768120	7.15E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	481384.7	3768120	0.007146	0.007071	0.001298	0.000725
6497	481375.2	3768120	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	481375.2	3768120	0.006999	0.006926	0.001272	0.00071
6498	481365.7	3768120	6.86E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	481365.7	3768120	0.006864	0.006792	0.001247	0.000696
6499	481356.2	3768120	6.74E-03	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	481356.2	3768120	0.00674	0.006669	0.001225	0.000684
6500	481346.7	3768120	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.

6529	481517.9	3768110	9.51E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	481517.9	3768110	0.009506	0.009406	0.001727	0.000964
6530	481508.4	3768110	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	481508.4	3768110	0.009272	0.009175	0.001685	0.00094
6531	481498.9	3768110	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	481498.9	3768110	0.009048	0.008953	0.001644	0.000918
6532	481489.3	3768110	8.83E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	481489.3	3768110	0.008826	0.008733	0.001604	0.000895
6533	481479.8	3768110	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	481479.8	3768110	0.008607	0.008517	0.001564	0.000873
6534	481470.3	3768110	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	481470.3	3768110	0.008382	0.008295	0.001523	0.00085
6535	481460.8	3768110	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	481460.8	3768110	0.008163	0.008078	0.001483	0.000828
6536	481451.3	3768110	7.95E-03	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	481451.3	3768110	0.007952	0.007869	0.001445	0.000807
6537	481441.8	3768110	7.75E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	481441.8	3768110	0.007749	0.007668	0.001408	0.000786
6538	481432.3	3768110	7.55E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	481432.3	3768110	0.007554	0.007475	0.001373	0.000766
6539	481422.8	3768110	7.37E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	481422.8	3768110	0.007368	0.007291	0.001339	0.000747
6540	481413.3	3768110	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	481413.3	3768110	0.007193	0.007118	0.001307	0.00073
6541	481403.8	3768110	7.03E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	481403.8	3768110	0.007028	0.006955	0.001277	0.000713
6542	481394.3	3768110	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	481394.3	3768110	0.006874	0.006802	0.001249	0.000697
6543	481384.8	3768110	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	481384.8	3768110	0.00673	0.00666	0.001223	0.000683
6544	481375.2	3768110	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	481375.2	3768110	0.006596	0.006527	0.001199	0.000669
6545	481365.7	3768110	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	481365.7	3768110	0.006472	0.006404	0.001176	0.000656
6546	481356.2	3768110	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	481356.2	3768110	0.006358	0.006291	0.001155	0.000645
6547	481346.7	3768110	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481346.7	3768110	0.006253	0.006187	0.001136	0.000634
6548	481337.2	3768110	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	481337.2	3768110	0.006157	0.006092	0.001119	0.000625
6549	481553.5	3768112	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481553.5	3768112	0.010429	0.01032	0.001895	0.001058
6550	481562.2	3768115	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481562.2	3768115	0.010893	0.010779	0.001979	0.001105
6551	481570.9	3768119	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481570.9	3768119	0.011371	0.011252	0.002066	0.001153
6552	481579.6	3768123	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	481579.6	3768123	0.011858	0.011734	0.002155	0.001203
6553	481588.3	3768126	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481588.3	3768126	0.012354	0.012225	0.002245	0.001253
6554	481597	3768130	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481597	3768130	0.012856	0.012721	0.002336	0.001304
6555	481605.7	3768133	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481605.7	3768133	0.013368	0.013228	0.002429	0.001356
6556	481623.1	3768141	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481623.1	3768141	0.014402	0.014251	0.002617	0.001461
6557	481631.8	3768144	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481631.8	3768144	0.01491	0.014754	0.002709	0.001512
6558	481640.5	3768148	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	481640.5	3768148	0.015399	0.015238	0.002798	0.001562
6559	481649.2	3768152	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481649.2	3768152	0.015878	0.015712	0.002885	0.001611
6560	481657.9	3768155	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481657.9	3768155	0.016341	0.01617	0.002969	0.001658
6561	481666.5	3768159	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	481666.5	3768159	0.016794	0.016618	0.003051	0.001704
6562	481675.2	3768163	1.72E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	481675.2	3768163	0.017231	0.017051	0.003131	0.001748
6563	481683.9	3768166	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	481683.9	3768166	0.017649	0.017464	0.003207	0.00179
6564	481692.6	3768170	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481692.6	3768170	0.018036	0.017847	0.003277	0.00183
6565	481704.9	3768182	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481704.9	3768182	0.018998	0.018799	0.003452	0.001927
6566	481708.4	3768191	2.01E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481708.4	3768191	0.020059	0.019849	0.003645	0.002035
6567	481712	3768200	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	481712	3768200	0.021177	0.020955	0.003848	0.002148
6568	481715.5	3768209	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481715.5	3768209	0.022359	0.022125	0.004063	0.002268
6569	481719.1	3768217	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	481719.1	3768217	0.02383	0.023581	0.00433	0.002417
6570	481722.6	3768226	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	481722.6	3768226	0.025	0.024738	0.004542	0.002536
6571	481726.2	3768235	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	481726.2	3768235	0.026152	0.025878	0.004752	0.002653
6572	481729.7	3768244	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	481729.7	3768244	0.027299	0.027014	0.00496	0.002769
6573	481733.3	3768252	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481733.3	3768252	0.02843	0.028132	0.005166	0.002884
6574	481736.8	3768261	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	481736.8	3768261	0.029663	0.029353	0.00539	0.003009
6575	481740.4	3768270	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	481740.4	3768270	0.030839	0.030516	0.005603	0.003128
6576	481744	3768279	3.20E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	481744	3768279	0.031972	0.031638	0.005809	0.003243
6577	481747.5	3768287	3.30E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	481747.5	3768287	0.033049	0.032704	0.006005	0.003352
6578	481751.1	3768296	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	481751.1	3768296	0.034058	0.033701	0.006188	0.003455
6579	481754.6	3768305	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	481754.6	3768305	0.034976	0.03461	0.006355	0.003548
6580	481758.2	3768313	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	481758.2	3768313	0.035787	0.035413	0.006502	0.00363
6581	481761.7	3768322	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	481761.7	3768322	0.03648	0.036098	0.006628	0.0037
6582	481517.9	3768101	8.90E-03	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	481517.9	3768101	0.008897	0.008804	0.001617	0.000902
6583	481508.4	3768101	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	481508.4	3768101	0.008681	0.008591	0.001577	0.000881
6584	481498.9	3768101	8.47E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	481498.9	3768101	0.008475	0.008386	0.00154	0.00086
6585	481489.4	3768100	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	481489.4	3768100	0.00827	0.008184	0.001503	0.000839
6586	481479.9	3768100	8.07E-03	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	481479.9	3768100	0.00807	0.007986	0.001466	0.000819
6587	481470.4	3768100	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	481470.4	3768100	0.007864	0.007782	0.001429	0.000798
6588	481460.9	3768100	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	481460.9	3768100	0.007664	0.007584	0.001393	0.000777
6589	481451.4	3768100	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	481451.4	3768100	0.00747	0.007392	0.001357	0.000758
6590	481441.8	3768100	7.28E-03	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	481441.8	3768100	0.007285	0.007209	0.001324	0.000739
6591	481432.3	3768100	7.11E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	481432.3	3768100	0.007107	0.007033	0.001291	0.000721
6592	481422.8	3768100	6.94E-03	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	481422.8	3768100	0.006937	0.006865	0.00126	0.000704
6593	481413.3	3768100	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	481413.3	3768100	0.006777	0.006706	0.001231	0.000687
6594	481403.8	3768100	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	481403.8	3768100	0.006626	0.006556	0.001204	0.000672
6595	481394.3	3768100	6.48E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	481394.3	3768100	0.006485	0.006417	0.001178	0.000658
6596	481384.8	3768100	6.35E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	481384.8	3768100	0.006352	0.006286	0.001154	0.000644
6597	481375.3	3768100	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	481375.3	3768100	0.006229	0.006164	0.001132	0.000632
6598	481365.8	3768100	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	481365.8	3768100	0.006115	0.006051	0.001111	0.00062
6599	481356.3	3768100	6.01E-03	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	481356.3	3768100	0.006009	0.005947	0.001092	0.00061
6600	481346.8	3768100	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	481346.8	3768100	0.005913	0.005851	0.001074	0.0006
6601	481337.2	3768100	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	481337.2	3768100	0.005824	0.005763	0.001058	0.000591
6602	481553.3	3768102	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	481553.3	3768102	0.00974	0.009638	0.00177	0.000988
6603	481561.9	3768105	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481561.9	3768105	0.010163	0.010056	0.001847	0.001031
6604	481570.5	3768109	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	481570.5	3768109	0.010596	0.010485	0.001925	0.001075
6605	481579.1	3768112	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481579.1	3768112	0.011041	0.010925	0.002006	0.00112
6606	481587.8	3768116	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481587.8	3768116	0.011495	0.011374	0.002089	0.001166
6607	481596.4	3768120	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481596.4	3768120	0.011955	0.01183	0.002172	0.001213
6608	481605	3768123	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481605	3768123	0.012424	0.012294	0.002257	0.00126
6609	481613.6	3768127	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481613.6	3768127	0.012902	0.012767	0.002344	0.001309
6610	481622.2	3768131	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481622.2	3768131	0.013379	0.013239	0.002431	0.001357
6611	481630.8	3768134	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481630.8	3768134	0.013852	0.013707	0.002517	0.001405
6612	481639.4	3768138	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481639.4	3768138	0.014311	0.014161	0.0026	0.001452
6613	481648	3768141	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481648	3768141	0.014762	0.014608	0.002682	0.001497
6614	481656.7	3768145	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	481656.7	3768145	0.015202	0.015043	0.002762	0.001542
6615	481665.3	3768149	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481665.3	3768149	0.01563	0.015466	0.00284	0.001585
6616	481673.9	3768152	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481673.9	3768152	0.016047	0.015879	0.002916	0.001628
6617	481682.5	3768156	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481682.5	3768156	0.01645	0.016277	0.002989	0.001669
6618	481691.1	3768160	1.68E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	481691.1	3768160	0.016833	0.016657	0.003059	0.001708
6619	481699.7	3768163	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	481699.7	3768163	0.017188	0.017008	0.003123	0.001744
6620	481711.8	3768175	1.80E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481711.8	3768175	0.018041	0.017853	0.003278	0.00183
6621	481715.4	3768184	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481715.4	3768184	0.019018	0.018819	0.003456	0.001929
6622	481718.9	3768193	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481718.9	3768193	0.020034	0.019824	0.00364	0.002032
6623	481722.4	3768201	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00

6652	481384.8	3768090	6.01E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481384.8	3768090	0.006008	0.005945	0.001092	0.000609
6653	481375.3	3768090	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	481375.3	3768090	0.005894	0.005832	0.001071	0.000598
6654	481365.8	3768090	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	481365.8	3768090	0.005789	0.005728	0.001052	0.000587
6655	481356.3	3768090	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	481356.3	3768090	0.005691	0.005632	0.001034	0.000577
6656	481346.8	3768090	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481346.8	3768090	0.005602	0.005543	0.001018	0.000568
6657	481337.3	3768090	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	481337.3	3768090	0.00552	0.005462	0.001003	0.00056
6658	481553.1	3768092	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	481553.1	3768092	0.009117	0.009022	0.001657	0.000925
6659	481561.7	3768095	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	481561.7	3768095	0.009502	0.009403	0.001727	0.000964
6660	481570.2	3768099	9.90E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481570.2	3768099	0.009898	0.009795	0.001799	0.001004
6661	481578.7	3768102	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481578.7	3768102	0.010304	0.010197	0.001872	0.001045
6662	481587.3	3768106	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481587.3	3768106	0.010719	0.010607	0.001948	0.001087
6663	481595.8	3768110	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481595.8	3768110	0.011141	0.011025	0.002024	0.00113
6664	481604.3	3768113	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481604.3	3768113	0.011573	0.011452	0.002103	0.001174
6665	481612.9	3768117	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481612.9	3768117	0.012013	0.011888	0.002183	0.001219
6666	481621.4	3768120	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481621.4	3768120	0.012454	0.012324	0.002263	0.001263
6667	481630	3768124	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481630	3768124	0.012896	0.012761	0.002343	0.001308
6668	481638.5	3768128	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481638.5	3768128	0.013324	0.013185	0.002421	0.001352
6669	481647	3768131	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481647	3768131	0.013748	0.013604	0.002498	0.001395
6670	481655.6	3768135	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481655.6	3768135	0.014163	0.014014	0.002573	0.001437
6671	481664.1	3768138	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481664.1	3768138	0.014568	0.014416	0.002647	0.001478
6672	481672.6	3768142	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481672.6	3768142	0.014964	0.014808	0.002719	0.001518
6673	481681.2	3768145	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481681.2	3768145	0.014909	0.014753	0.002709	0.001512
6674	481689.7	3768149	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481689.7	3768149	0.015281	0.015121	0.002776	0.00155
6675	481698.2	3768153	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481698.2	3768153	0.015643	0.015479	0.002842	0.001587
6676	481706.8	3768156	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481706.8	3768156	0.01598	0.015813	0.002904	0.001621
6677	481718.8	3768168	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	481718.8	3768168	0.017159	0.01698	0.003118	0.001741
6678	481722.3	3768177	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481722.3	3768177	0.018072	0.017883	0.003284	0.001833
6679	481725.8	3768186	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481725.8	3768186	0.019025	0.018826	0.003457	0.00193
6680	481729.3	3768194	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481729.3	3768194	0.020009	0.0198	0.003636	0.00203
6681	481732.8	3768203	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481732.8	3768203	0.021038	0.020818	0.003823	0.002134
6682	481736.2	3768211	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	481736.2	3768211	0.022089	0.021858	0.004013	0.002241
6683	481739.7	3768220	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	481739.7	3768220	0.023147	0.022905	0.004206	0.002348
6684	481743.2	3768228	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	481743.2	3768228	0.024205	0.023952	0.004398	0.002455
6685	481746.7	3768237	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	481746.7	3768237	0.02526	0.024996	0.00459	0.002562
6686	481750.2	3768246	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	481750.2	3768246	0.026314	0.026038	0.004781	0.002669
6687	481753.7	3768254	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	481753.7	3768254	0.027365	0.027079	0.004972	0.002776
6688	481757.2	3768263	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481757.2	3768263	0.028392	0.028095	0.005159	0.00288
6689	481760.7	3768271	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	481760.7	3768271	0.02938	0.029073	0.005338	0.00298
6690	481764.1	3768280	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	481764.1	3768280	0.030323	0.030005	0.00551	0.003076
6691	481767.6	3768288	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	481767.6	3768288	0.031205	0.030879	0.00567	0.003165
6692	481771.1	3768297	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	481771.1	3768297	0.032017	0.031683	0.005818	0.003248
6693	481774.6	3768306	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	481774.6	3768306	0.032745	0.032403	0.00595	0.003322
6694	481778.1	3768314	3.34E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	481778.1	3768314	0.033381	0.033032	0.006065	0.003386
6695	481781.6	3768323	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	481781.6	3768323	0.033922	0.033567	0.006164	0.003441
6696	481518	3768081	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	481518	3768081	0.007845	0.007763	0.001425	0.000796
6697	481508.5	3768081	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	481508.5	3768081	0.007661	0.007581	0.001392	0.000777
6698	481499	3768081	7.48E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	481499	3768081	0.007485	0.007407	0.00136	0.000759
6699	481489.5	3768081	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	481489.5	3768081	0.007311	0.007235	0.001328	0.000742
6700	481480	3768081	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	481480	3768081	0.007141	0.007067	0.001298	0.000724
6701	481470.5	3768081	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481470.5	3768081	0.006968	0.006895	0.001266	0.000707
6702	481460.9	3768081	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	481460.9	3768081	0.006799	0.006728	0.001235	0.00069
6703	481451.4	3768081	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	481451.4	3768081	0.006636	0.006567	0.001206	0.000673
6704	481441.9	3768081	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	481441.9	3768081	0.00648	0.006412	0.001177	0.000657
6705	481432.4	3768081	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	481432.4	3768081	0.00633	0.006264	0.00115	0.000642
6706	481422.9	3768081	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	481422.9	3768081	0.006187	0.006122	0.001124	0.000628
6707	481413.4	3768080	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	481413.4	3768080	0.006052	0.005989	0.0011	0.000614
6708	481403.9	3768080	5.92E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	481403.9	3768080	0.005924	0.005862	0.001076	0.000601
6709	481394.4	3768080	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	481394.4	3768080	0.005804	0.005744	0.001055	0.000589
6710	481384.9	3768080	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	481384.9	3768080	0.005692	0.005633	0.001034	0.000577
6711	481375.4	3768080	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	481375.4	3768080	0.005588	0.005529	0.001015	0.000567
6712	481365.9	3768080	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	481365.9	3768080	0.00549	0.005433	0.000998	0.000557
6713	481356.3	3768080	5.40E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	481356.3	3768080	0.0054	0.005343	0.000981	0.000548
6714	481346.8	3768080	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481346.8	3768080	0.005317	0.005261	0.000966	0.000539
6715	481337.3	3768080	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	481337.3	3768080	0.00524	0.005185	0.000952	0.000532
6716	481553	3768082	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	481553	3768082	0.008553	0.008464	0.001554	0.000868
6717	481561.4	3768085	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	481561.4	3768085	0.008905	0.008812	0.001618	0.000903
6718	481569.9	3768089	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	481569.9	3768089	0.009266	0.00917	0.001684	0.00094
6719	481578.4	3768092	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	481578.4	3768092	0.009638	0.009538	0.001751	0.000978
6720	481586.8	3768096	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481586.8	3768096	0.010019	0.009914	0.00182	0.001016
6721	481595.3	3768100	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481595.3	3768100	0.010406	0.010297	0.001891	0.001056
6722	481603.8	3768103	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481603.8	3768103	0.010803	0.01069	0.001963	0.001096
6723	481612.2	3768107	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481612.2	3768107	0.011209	0.011092	0.002037	0.001137
6724	481620.7	3768110	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481620.7	3768110	0.011617	0.011496	0.002111	0.001178
6725	481629.2	3768114	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481629.2	3768114	0.012027	0.011901	0.002185	0.00122
6726	481637.6	3768117	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481637.6	3768117	0.012428	0.012298	0.002258	0.001261
6727	481646.1	3768121	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481646.1	3768121	0.012825	0.012691	0.00233	0.001301
6728	481654.6	3768124	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481654.6	3768124	0.013216	0.013077	0.002401	0.001341
6729	481663	3768128	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481663	3768128	0.0136	0.013458	0.002471	0.00138
6730	481671.5	3768132	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481671.5	3768132	0.013974	0.013828	0.002539	0.001418
6731	481680	3768135	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481680	3768135	0.013892	0.013747	0.002524	0.001409
6732	481688.4	3768139	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481688.4	3768139	0.014231	0.014082	0.002586	0.001444
6733	481696.9	3768142	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481696.9	3768142	0.014592	0.014439	0.002651	0.00148
6734	481705.4	3768146	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481705.4	3768146	0.014934	0.014777	0.002713	0.001515
6735	481713.9	3768149	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481713.9	3768149	0.015253	0.015094	0.002772	0.001547
6736	481725.8	3768161	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481725.8	3768161	0.016366	0.016195	0.002974	0.00166
6737	481729.2	3768170	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	481729.2	3768170	0.017218	0.017038	0.003129	0.001747
6738	481732.7	3768178	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481732.7	3768178	0.0181	0.01791	0.003289	0.001836
6739	481736.2	3768187	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481736.2	3768187	0.01901	0.018811	0.003454	0.001928
6740	481739.6	3768195	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481739.6	3768195	0.019946	0.019738	0.003624	0.002023
6741	481743.1	3768204	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	481743.1	3768204	0.020914	0.020695	0.0038	0.002121
6742	481746.5	3768212	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	481746.5	3768212	0.021891	0.021662	0.003978	0.002221
6743	481750	3768221	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	481750	3768221	0.022873	0.022634	0.004156	0.00232
6744	481753.5	3768229	2.39E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	481753.5	3768229	0.023868	0.023619	0.004337	0.002421
6745	481756.9	3768238	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	481756.9	3768238	0.024864	0.024604	0.004518	0.002522
6746	481760.4	3768247	2.58E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00

6775	481337.4	3768070	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	481337.4	3768070	0.004983	0.004931	0.000905	0.000505
6776	481552.8	3768072	8.04E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	481552.8	3768072	0.00804	0.007956	0.001461	0.000816
6777	481561.2	3768075	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	481561.2	3768075	0.008362	0.008274	0.001519	0.000848
6778	481569.6	3768079	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	481569.6	3768079	0.008693	0.008603	0.00158	0.000882
6779	481578	3768082	9.03E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	481578	3768082	0.009034	0.00894	0.001642	0.000916
6780	481586.4	3768086	9.38E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	481586.4	3768086	0.009384	0.009285	0.001705	0.000952
6781	481594.8	3768090	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	481594.8	3768090	0.00974	0.009638	0.00177	0.000988
6782	481603.2	3768093	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481603.2	3768093	0.010105	0.009999	0.001836	0.001025
6783	481611.6	3768097	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481611.6	3768097	0.01048	0.01037	0.001904	0.001063
6784	481620	3768100	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481620	3768100	0.010858	0.010745	0.001973	0.001101
6785	481628.5	3768104	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481628.5	3768104	0.011239	0.011121	0.002042	0.00114
6786	481636.9	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481636.9	3768107	0.011613	0.011491	0.00211	0.001178
6787	481645.3	3768111	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481645.3	3768111	0.011984	0.011859	0.002177	0.001216
6788	481653.7	3768114	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481653.7	3768114	0.012352	0.012223	0.002244	0.001253
6789	481662.1	3768118	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481662.1	3768118	0.012714	0.012581	0.00231	0.00129
6790	481670.5	3768121	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481670.5	3768121	0.01307	0.012933	0.002375	0.001326
6791	481678.9	3768125	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481678.9	3768125	0.012993	0.012857	0.002361	0.001318
6792	481687.3	3768128	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481687.3	3768128	0.013306	0.013167	0.002418	0.00135
6793	481695.7	3768132	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481695.7	3768132	0.013636	0.013494	0.002478	0.001383
6794	481704.1	3768135	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481704.1	3768135	0.013968	0.013821	0.002538	0.001417
6795	481712.5	3768139	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481712.5	3768139	0.014289	0.01414	0.002596	0.001449
6796	481720.9	3768142	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481720.9	3768142	0.014588	0.014436	0.002651	0.00148
6797	481732.7	3768154	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	481732.7	3768154	0.01562	0.015457	0.002838	0.001584
6798	481736.2	3768163	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481736.2	3768163	0.016421	0.016249	0.002984	0.001666
6799	481743	3768180	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481743	3768180	0.018089	0.0179	0.003287	0.001835
6800	481746.5	3768188	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481746.5	3768188	0.018958	0.018759	0.003445	0.001923
6801	481749.9	3768197	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	481749.9	3768197	0.019847	0.019639	0.003606	0.002013
6802	481756.8	3768214	2.17E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481756.8	3768214	0.021663	0.021436	0.003936	0.002197
6803	481760.2	3768222	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	481760.2	3768222	0.022598	0.022362	0.004106	0.002292
6804	481763.7	3768230	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	481763.7	3768230	0.023533	0.023286	0.004276	0.002387
6805	481767.1	3768239	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481767.1	3768239	0.024459	0.024203	0.004444	0.002481
6806	481774	3768256	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	481774	3768256	0.026263	0.025989	0.004772	0.002664
6807	481777.4	3768264	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	481777.4	3768264	0.027126	0.026842	0.004929	0.002752
6808	481780.8	3768273	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	481780.8	3768273	0.027951	0.027658	0.005079	0.002835
6809	481787.7	3768290	2.95E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	481787.7	3768290	0.029455	0.029147	0.005352	0.002988
6810	481791.1	3768298	3.01E-02	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	481791.1	3768298	0.030121	0.029806	0.005473	0.003055
6811	481794.6	3768306	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	481794.6	3768306	0.030716	0.030395	0.005581	0.003116
6812	481798	3768315	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	481798	3768315	0.031235	0.030909	0.005675	0.003168
6813	481518.1	3768061	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481518.1	3768061	0.006973	0.0069	0.001267	0.000707
6814	481508.6	3768061	6.82E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	481508.6	3768061	0.006815	0.006744	0.001238	0.000691
6815	481499.1	3768061	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	481499.1	3768061	0.006664	0.006594	0.001211	0.000676
6816	481489.6	3768061	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	481489.6	3768061	0.006516	0.006448	0.001184	0.000661
6817	481480	3768061	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	481480	3768061	0.006371	0.006304	0.001158	0.000646
6818	481470.5	3768061	6.22E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	481470.5	3768061	0.006223	0.006158	0.001131	0.000631
6819	481461	3768061	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	481461	3768061	0.00608	0.006016	0.001105	0.000617
6820	481451.5	3768061	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	481451.5	3768061	0.005941	0.005879	0.00108	0.000603
6821	481442	3768061	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	481442	3768061	0.005809	0.005748	0.001055	0.000589
6822	481432.5	3768061	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481432.5	3768061	0.005682	0.005622	0.001032	0.000576
6823	481423	3768061	5.56E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	481423	3768061	0.00556	0.005502	0.00101	0.000564
6824	481413.5	3768061	5.44E-03	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	481413.5	3768061	0.005444	0.005387	0.000989	0.000552
6825	481404	3768061	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	481404	3768061	0.005335	0.00528	0.000969	0.000541
6826	481394.5	3768061	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	481394.5	3768061	0.005233	0.005178	0.000951	0.000531
6827	481385	3768061	5.14E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	481385	3768061	0.005137	0.005083	0.000933	0.000521
6828	481375.4	3768061	5.05E-03	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481375.4	3768061	0.005047	0.004994	0.000917	0.000512
6829	481365.9	3768061	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	481365.9	3768061	0.004963	0.004911	0.000902	0.000503
6830	481356.4	3768061	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	481356.4	3768061	0.004885	0.004833	0.000888	0.000495
6831	481346.9	3768061	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	481346.9	3768061	0.004812	0.004762	0.000874	0.000488
6832	481337.4	3768060	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	481337.4	3768060	0.004746	0.004696	0.000862	0.000481
6833	481553.7	3768062	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	481553.7	3768062	0.007609	0.007529	0.001383	0.000772
6834	481562.4	3768066	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	481562.4	3768066	0.007918	0.007835	0.001439	0.000803
6835	481571.1	3768070	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	481571.1	3768070	0.008237	0.008151	0.001497	0.000836
6836	481579.8	3768073	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	481579.8	3768073	0.008566	0.008476	0.001556	0.000869
6837	481588.5	3768077	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	481588.5	3768077	0.008902	0.008809	0.001617	0.000903
6838	481597.2	3768081	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	481597.2	3768081	0.009246	0.009149	0.00168	0.000938
6839	481605.9	3768084	9.60E-03	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	481605.9	3768084	0.009601	0.0095	0.001744	0.000974
6840	481623.3	3768092	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481623.3	3768092	0.010329	0.010221	0.001877	0.001048
6841	481632	3768095	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481632	3768095	0.010696	0.010584	0.001944	0.001085
6842	481640.7	3768099	1.11E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481640.7	3768099	0.011058	0.010942	0.002009	0.001122
6843	481649.4	3768103	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481649.4	3768103	0.011418	0.011299	0.002075	0.001158
6844	481658.1	3768106	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481658.1	3768106	0.011776	0.011653	0.00214	0.001195
6845	481666.8	3768110	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481666.8	3768110	0.012129	0.012002	0.002204	0.00123
6846	481675.4	3768114	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481675.4	3768114	0.012079	0.011952	0.002195	0.001225
6847	481684.1	3768117	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481684.1	3768117	0.012391	0.012261	0.002251	0.001257
6848	481692.8	3768121	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481692.8	3768121	0.012709	0.012576	0.002309	0.001289
6849	481701.5	3768124	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481701.5	3768124	0.013043	0.012906	0.00237	0.001323
6850	481710.2	3768128	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481710.2	3768128	0.013365	0.013226	0.002428	0.001356
6851	481718.9	3768132	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481718.9	3768132	0.013676	0.013533	0.002485	0.001387
6852	481727.6	3768135	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481727.6	3768135	0.013943	0.013797	0.002533	0.001414
6853	481739.9	3768148	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481739.9	3768148	0.014945	0.014788	0.002715	0.001516
6854	481743.4	3768157	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	481743.4	3768157	0.015728	0.015564	0.002858	0.001595
6855	481747	3768165	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481747	3768165	0.016547	0.016374	0.003007	0.001679
6856	481750.5	3768174	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481750.5	3768174	0.017369	0.017187	0.003156	0.001762
6857	481754.1	3768183	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	481754.1	3768183	0.018199	0.018008	0.003307	0.001846
6858	481757.6	3768191	1.90E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481757.6	3768191	0.01905	0.01885	0.003461	0.001932
6859	481761.2	3768200	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481761.2	3768200	0.019926	0.019718	0.003621	0.002021
6860	481764.7	3768209	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	481764.7	3768209	0.02083	0.020612	0.003785	0.002113
6861	481768.3	3768218	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	481768.3	3768218	0.021746	0.021519	0.003951	0.002206
6862	481771.8	3768226	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481771.8	3768226	0.022671	0.022434	0.004119	0.0023
6863	481775.4	3768235	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	481775.4	3768235	0.023573	0.023326	0.004283	0.002391
6864	481778.9	3768244	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481778.9	3768244	0.024461	0.024205	0.004445	0.002481
6865	481782.5	3768253	2.53E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	481782.5	3768253	0.025326	0.025061	0.004602	0.002569
6866	481786	3768261	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	481786	3768261	0.026163	0.02589	0.004754	0.002654
6867	481789.6	3768270	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	481789.6	3768270	0.026966	0.026684	0.0049	0.002735
6868	481793.1	3768279	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	481793.1	3768279	0.027727	0.027437	0.005038	0.002813
6869	481796.7	3768288	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00

6898	481588.1	3768067	8.37E-03	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	481588.1	3768067	0.008369	0.008281	0.001521	0.000849
6899	481596.7	3768071	8.69E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	481596.7	3768071	0.008686	0.008595	0.001578	0.000881
6900	481605.3	3768074	9.01E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	481605.3	3768074	0.00901	0.008916	0.001637	0.000914
6901	481613.9	3768078	9.34E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	481613.9	3768078	0.009343	0.009246	0.001698	0.000948
6902	481622.6	3768081	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	481622.6	3768081	0.009683	0.009582	0.001759	0.000982
6903	481631.2	3768085	1.00E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481631.2	3768085	0.010024	0.009919	0.001821	0.001017
6904	481639.8	3768089	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481639.8	3768089	0.010361	0.010252	0.001883	0.001051
6905	481648.4	3768092	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481648.4	3768092	0.010697	0.010586	0.001944	0.001085
6906	481657.1	3768096	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481657.1	3768096	0.011034	0.010918	0.002005	0.001119
6907	481665.7	3768100	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481665.7	3768100	0.011366	0.011247	0.002065	0.001153
6908	481674.3	3768103	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481674.3	3768103	0.011693	0.011571	0.002125	0.001186
6909	481682.9	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481682.9	3768107	0.011613	0.011492	0.00211	0.001178
6910	481691.6	3768110	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481691.6	3768110	0.011911	0.011786	0.002164	0.001208
6911	481700.2	3768114	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481700.2	3768114	0.012229	0.012101	0.002222	0.00124
6912	481708.8	3768118	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481708.8	3768118	0.01254	0.012409	0.002278	0.001272
6913	481717.4	3768121	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481717.4	3768121	0.01284	0.012706	0.002333	0.001302
6914	481726.1	3768125	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481726.1	3768125	0.013107	0.01297	0.002382	0.00133
6915	481734.7	3768129	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481734.7	3768129	0.013354	0.013214	0.002426	0.001355
6916	481746.8	3768141	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481746.8	3768141	0.014274	0.014124	0.002593	0.001448
6917	481750.4	3768149	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481750.4	3768149	0.015005	0.014848	0.002726	0.001522
6918	481753.9	3768158	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	481753.9	3768158	0.015761	0.015596	0.002864	0.001599
6919	481757.4	3768167	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481757.4	3768167	0.016539	0.016366	0.003005	0.001678
6920	481760.9	3768175	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481760.9	3768175	0.01731	0.017129	0.003145	0.001756
6921	481764.5	3768184	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481764.5	3768184	0.018103	0.017914	0.003289	0.001836
6922	481768	3768193	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481768	3768193	0.018912	0.018714	0.003436	0.001918
6923	481771.5	3768201	1.98E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	481771.5	3768201	0.019751	0.019544	0.003589	0.002003
6924	481775	3768210	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	481775	3768210	0.020613	0.020397	0.003745	0.002091
6925	481778.5	3768219	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481778.5	3768219	0.021483	0.021258	0.003903	0.002179
6926	481782.1	3768227	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481782.1	3768227	0.022346	0.022112	0.00406	0.002267
6927	481785.6	3768236	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	481785.6	3768236	0.023177	0.022934	0.004211	0.002351
6928	481789.1	3768245	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481789.1	3768245	0.023995	0.023744	0.00436	0.002434
6929	481792.6	3768253	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	481792.6	3768253	0.024796	0.024537	0.004505	0.002515
6930	481796.2	3768262	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	481796.2	3768262	0.02557	0.025303	0.004646	0.002594
6931	481799.7	3768271	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	481799.7	3768271	0.026309	0.026034	0.00478	0.002669
6932	481803.2	3768279	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	481803.2	3768279	0.027008	0.026725	0.004907	0.00274
6933	481806.7	3768288	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	481806.7	3768288	0.027655	0.027366	0.005025	0.002805
6934	481810.3	3768297	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	481810.3	3768297	0.028244	0.027948	0.005132	0.002865
6935	481813.8	3768305	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	481813.8	3768305	0.028766	0.028465	0.005227	0.002918
6936	481817.3	3768314	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	481817.3	3768314	0.029217	0.028911	0.005309	0.002964
6937	481820.8	3768323	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	481820.8	3768323	0.029588	0.029278	0.005376	0.003001
6938	481518.2	3768042	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	481518.2	3768042	0.006244	0.006179	0.001135	0.000633
6939	481508.7	3768042	6.11E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	481508.7	3768042	0.006108	0.006045	0.00111	0.00062
6940	481499.1	3768041	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	481499.1	3768041	0.005977	0.005915	0.001086	0.000606
6941	481489.6	3768041	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	481489.6	3768041	0.005849	0.005788	0.001063	0.000593
6942	481480.1	3768041	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	481480.1	3768041	0.005724	0.005664	0.00104	0.000581
6943	481470.6	3768041	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481470.6	3768041	0.005597	0.005539	0.001017	0.000568
6944	481461.1	3768041	5.47E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	481461.1	3768041	0.005475	0.005417	0.000995	0.000555
6945	481451.6	3768041	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	481451.6	3768041	0.005356	0.0053	0.000973	0.000543
6946	481442.1	3768041	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	481442.1	3768041	0.005242	0.005187	0.000953	0.000532
6947	481432.6	3768041	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	481432.6	3768041	0.005133	0.005079	0.000933	0.000521
6948	481423.1	3768041	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	481423.1	3768041	0.005028	0.004976	0.000914	0.00051
6949	481413.6	3768041	4.93E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	481413.6	3768041	0.004929	0.004878	0.000896	0.0005
6950	481404.1	3768041	4.84E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	481404.1	3768041	0.004835	0.004785	0.000879	0.000491
6951	481394.5	3768041	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	481394.5	3768041	0.004747	0.004697	0.000863	0.000482
6952	481385	3768041	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	481385	3768041	0.004664	0.004615	0.000847	0.000473
6953	481375.5	3768041	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	481375.5	3768041	0.004586	0.004538	0.000833	0.000465
6954	481366	3768041	4.51E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	481366	3768041	0.004513	0.004466	0.00082	0.000458
6955	481356.5	3768041	4.44E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	481356.5	3768041	0.004445	0.004398	0.000808	0.000451
6956	481347	3768041	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	481347	3768041	0.004382	0.004336	0.000796	0.000444
6957	481337.5	3768041	4.32E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	481337.5	3768041	0.004323	0.004278	0.000786	0.000439
6958	481553.2	3768022	6.08E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	481553.2	3768022	0.006077	0.006013	0.001104	0.000616
6959	481561.6	3768026	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	481561.6	3768026	0.0063	0.006234	0.001145	0.000639
6960	481570.1	3768029	6.53E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	481570.1	3768029	0.006531	0.006462	0.001187	0.000662
6961	481578.5	3768033	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	481578.5	3768033	0.006767	0.006697	0.00123	0.000686
6962	481587	3768036	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	481587	3768036	0.007012	0.006939	0.001274	0.000711
6963	481595.5	3768040	7.26E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	481595.5	3768040	0.007265	0.007189	0.00132	0.000737
6964	481603.9	3768044	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	481603.9	3768044	0.007522	0.007444	0.001367	0.000763
6965	481612.4	3768047	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	481612.4	3768047	0.007783	0.007701	0.001414	0.000789
6966	481620.8	3768051	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	481620.8	3768051	0.008048	0.007964	0.001462	0.000816
6967	481629.3	3768054	8.32E-03	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	481629.3	3768054	0.008318	0.008231	0.001511	0.000844
6968	481637.8	3768058	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	481637.8	3768058	0.00859	0.0085	0.001561	0.000871
6969	481646.2	3768061	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	481646.2	3768061	0.008864	0.008771	0.001611	0.000899
6970	481654.7	3768065	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	481654.7	3768065	0.009139	0.009044	0.001661	0.000927
6971	481663.1	3768068	9.41E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	481663.1	3768068	0.009414	0.009316	0.001711	0.000955
6972	481671.6	3768072	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	481671.6	3768072	0.009689	0.009588	0.00176	0.000983
6973	481680.1	3768076	9.62E-03	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	481680.1	3768076	0.00962	0.009519	0.001748	0.000976
6974	481688.5	3768079	9.87E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481688.5	3768079	0.009866	0.009763	0.001793	0.001001
6975	481697	3768083	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481697	3768083	0.010134	0.010028	0.001841	0.001028
6976	481705.4	3768086	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481705.4	3768086	0.010403	0.010294	0.00189	0.001055
6977	481713.9	3768090	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481713.9	3768090	0.010667	0.010556	0.001938	0.001082
6978	481722.4	3768093	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481722.4	3768093	0.010918	0.010804	0.001984	0.001108
6979	481730.8	3768097	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481730.8	3768097	0.011144	0.011027	0.002025	0.00113
6980	481739.3	3768100	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481739.3	3768100	0.011364	0.011245	0.002065	0.001153
6981	481747.7	3768104	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481747.7	3768104	0.011575	0.011454	0.002103	0.001174
6982	481756.2	3768108	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481756.2	3768108	0.01178	0.011656	0.00214	0.001195
6983	481768.1	3768120	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481768.1	3768120	0.012519	0.012388	0.002275	0.00127
6984	481771.6	3768128	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481771.6	3768128	0.013083	0.012946	0.002377	0.001327
6985	481775	3768137	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481775	3768137	0.013667	0.013524	0.002483	0.001386
6986	481778.5	3768145	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481778.5	3768145	0.014299	0.014149	0.002598	0.00145
6987	481781.9	3768154	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481781.9	3768154	0.014953	0.014796	0.002717	0.001517
6988	481785.4	3768162	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	481785.4	3768162	0.015621	0.015457	0.002838	0.001585
6989	481788.8	3768171	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	481788.8	3768171	0.016289	0.016118	0.00296	0.001652
6990	481792.3	3768179	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481792.3	3768179	0.01696	0.016782	0.003082	0.00172
6991	481795.7	3768188	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	481795.7	3768188	0.017641	0.017457	0.003205	0.00179
6992	481799.2	3768196	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+

7021	481394.7	3768011	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	481394.7	3768011	0.004134	0.004091	0.000751	0.000419
7022	481385.2	3768011	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	481385.2	3768011	0.004066	0.004024	0.000739	0.000412
7023	481375.7	3768011	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	481375.7	3768011	0.004003	0.003961	0.000727	0.000406
7024	481366.1	3768011	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481366.1	3768011	0.003944	0.003903	0.000717	0.0004
7025	481356.6	3768011	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	481356.6	3768011	0.003888	0.003848	0.000707	0.000394
7026	481347.1	3768011	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481347.1	3768011	0.003836	0.003796	0.000697	0.000389
7027	481337.6	3768011	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	481337.6	3768011	0.003788	0.003748	0.000688	0.000384
7028	481553.7	3767992	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	481553.7	3767992	0.005236	0.005181	0.000951	0.000531
7029	481562.3	3767996	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	481562.3	3767996	0.005419	0.005362	0.000985	0.00055
7030	481570.9	3768000	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	481570.9	3768000	0.005609	0.005551	0.001019	0.000569
7031	481579.5	3768003	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	481579.5	3768003	0.005805	0.005744	0.001055	0.000589
7032	481588.1	3768007	6.01E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481588.1	3768007	0.006006	0.005944	0.001091	0.000609
7033	481596.7	3768010	6.21E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	481596.7	3768010	0.006214	0.006149	0.001129	0.00063
7034	481605.3	3768014	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481605.3	3768014	0.006426	0.006359	0.001168	0.000652
7035	481613.9	3768018	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	481613.9	3768018	0.006643	0.006574	0.001207	0.000674
7036	481622.5	3768021	6.87E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	481622.5	3768021	0.006866	0.006794	0.001248	0.000696
7037	481631.1	3768025	7.09E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	481631.1	3768025	0.007092	0.007017	0.001289	0.000719
7038	481639.7	3768029	7.32E-03	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	481639.7	3768029	0.007321	0.007244	0.00133	0.000743
7039	481648.3	3768032	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	481648.3	3768032	0.007553	0.007474	0.001372	0.000766
7040	481657	3768036	7.79E-03	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	481657	3768036	0.007787	0.007706	0.001415	0.00079
7041	481665.6	3768039	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	481665.6	3768039	0.008022	0.007939	0.001458	0.000814
7042	481674.2	3768043	8.26E-03	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	481674.2	3768043	0.008259	0.008173	0.001501	0.000838
7043	481682.8	3768047	8.19E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	481682.8	3768047	0.008191	0.008105	0.001488	0.000831
7044	481691.4	3768050	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	481691.4	3768050	0.008408	0.00832	0.001528	0.000853
7045	481700	3768054	8.64E-03	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	481700	3768054	0.008645	0.008555	0.001571	0.000877
7046	481708.6	3768057	8.88E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	481708.6	3768057	0.008881	0.008788	0.001614	0.000901
7047	481717.2	3768061	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	481717.2	3768061	0.009114	0.009019	0.001656	0.000925
7048	481725.8	3768065	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	481725.8	3768065	0.009329	0.009231	0.001695	0.000946
7049	481734.4	3768068	9.53E-03	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	481734.4	3768068	0.009532	0.009432	0.001732	0.000967
7050	481743	3768072	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	481743	3768072	0.009731	0.009629	0.001768	0.000987
7051	481751.6	3768076	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481751.6	3768076	0.009926	0.009823	0.001804	0.001007
7052	481760.2	3768079	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481760.2	3768079	0.010116	0.010011	0.001838	0.001026
7053	481768.8	3768083	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481768.8	3768083	0.0103	0.010192	0.001871	0.001045
7054	481777.4	3768086	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481777.4	3768086	0.010477	0.010368	0.001904	0.001063
7055	481789.5	3768099	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481789.5	3768099	0.01111	0.010994	0.002019	0.001127
7056	481793	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481793	3768107	0.011592	0.01147	0.002106	0.001176
7057	481796.5	3768116	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481796.5	3768116	0.0121	0.011974	0.002199	0.001227
7058	481800	3768125	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	481800	3768125	0.012634	0.012502	0.002296	0.001282
7059	481803.5	3768133	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481803.5	3768133	0.013189	0.013051	0.002396	0.001338
7060	481807.1	3768142	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	481807.1	3768142	0.013752	0.013609	0.002499	0.001395
7061	481810.6	3768150	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481810.6	3768150	0.014319	0.014169	0.002602	0.001452
7062	481814.1	3768159	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481814.1	3768159	0.01489	0.014735	0.002706	0.00151
7063	481817.6	3768168	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481817.6	3768168	0.015475	0.015313	0.002812	0.00157
7064	481821.1	3768176	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481821.1	3768176	0.016078	0.01591	0.002921	0.001631
7065	481824.6	3768185	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	481824.6	3768185	0.016696	0.016521	0.003034	0.001694
7066	481828.1	3768194	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481828.1	3768194	0.017323	0.017142	0.003148	0.001757
7067	481831.7	3768202	1.79E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	481831.7	3768202	0.01795	0.017762	0.003261	0.001821
7068	481835.2	3768211	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	481835.2	3768211	0.018567	0.018373	0.003374	0.001883
7069	481838.7	3768220	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	481838.7	3768220	0.019173	0.018973	0.003484	0.001945
7070	481842.2	3768228	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	481842.2	3768228	0.019766	0.019559	0.003591	0.002005
7071	481845.7	3768237	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	481845.7	3768237	0.020347	0.020134	0.003697	0.002064
7072	481849.2	3768246	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	481849.2	3768246	0.020911	0.020693	0.0038	0.002121
7073	481852.7	3768254	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481852.7	3768254	0.021454	0.021229	0.003898	0.002176
7074	481856.3	3768263	2.20E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	481856.3	3768263	0.021977	0.021747	0.003993	0.002229
7075	481859.8	3768271	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	481859.8	3768271	0.022467	0.022232	0.004082	0.002279
7076	481863.3	3768280	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	481863.3	3768280	0.022913	0.022673	0.004163	0.002324
7077	481866.8	3768289	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	481866.8	3768289	0.023311	0.023067	0.004236	0.002365
7078	481870.3	3768297	2.37E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	481870.3	3768297	0.023664	0.023417	0.0043	0.0024
7079	481873.8	3768306	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481873.8	3768306	0.023967	0.023717	0.004355	0.002431
7080	481877.3	3768315	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	481877.3	3768315	0.024216	0.023963	0.0044	0.002456
7081	481880.9	3768323	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481880.9	3768323	0.024407	0.024152	0.004435	0.002476
7082	481518.4	3767982	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	481518.4	3767982	0.004633	0.004584	0.000842	0.00047
7083	481508.9	3767982	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	481508.9	3767982	0.004542	0.004494	0.000825	0.000461
7084	481499.4	3767981	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	481499.4	3767981	0.004453	0.004407	0.000809	0.000452
7085	481489.9	3767981	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	481489.9	3767981	0.004366	0.00432	0.000793	0.000443
7086	481480.4	3767981	4.28E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	481480.4	3767981	0.004281	0.004237	0.000778	0.000434
7087	481470.9	3767981	4.20E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	481470.9	3767981	0.004199	0.004155	0.000763	0.000426
7088	481461.4	3767981	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	481461.4	3767981	0.004119	0.004076	0.000748	0.000418
7089	481451.8	3767981	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481451.8	3767981	0.004042	0.003999	0.000734	0.00041
7090	481442.3	3767981	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	481442.3	3767981	0.003967	0.003926	0.000721	0.000402
7091	481432.8	3767981	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	481432.8	3767981	0.003896	0.003855	0.000708	0.000395
7092	481423.3	3767981	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	481423.3	3767981	0.003828	0.003788	0.000696	0.000388
7093	481413.8	3767981	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	481413.8	3767981	0.003762	0.003723	0.000684	0.000382
7094	481404.3	3767981	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	481404.3	3767981	0.0037	0.003661	0.000672	0.000375
7095	481394.8	3767981	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	481394.8	3767981	0.003641	0.003603	0.000662	0.000369
7096	481385.3	3767981	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	481385.3	3767981	0.003585	0.003548	0.000651	0.000364
7097	481375.8	3767981	3.53E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	481375.8	3767981	0.003533	0.003496	0.000642	0.000358
7098	481366.3	3767981	3.48E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	481366.3	3767981	0.003483	0.003447	0.000633	0.000353
7099	481356.8	3767981	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	481356.8	3767981	0.003437	0.003401	0.000625	0.000349
7100	481347.3	3767981	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	481347.3	3767981	0.003394	0.003358	0.000617	0.000344
7101	481337.7	3767981	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	481337.7	3767981	0.003353	0.003318	0.000609	0.00034
7102	481554.2	3767963	4.56E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	481554.2	3767963	0.004563	0.004515	0.000829	0.000463
7103	481563	3767966	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	481563	3767966	0.004717	0.004667	0.000857	0.000478
7104	481571.7	3767970	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	481571.7	3767970	0.004873	0.004822	0.000885	0.000494
7105	481580.4	3767974	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	481580.4	3767974	0.005035	0.004982	0.000915	0.000511
7106	481589.1	3767977	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	481589.1	3767977	0.005202	0.005147	0.000945	0.000528
7107	481597.9	3767981	5.37E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	481597.9	3767981	0.005374	0.005318	0.000976	0.000545
7108	481606.6	3767985	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	481606.6	3767985	0.005551	0.005493	0.001009	0.000563
7109	481615.3	3767988	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	481615.3	3767988	0.005733	0.005673	0.001042	0.000582
7110	481624	3767992	5.92E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	481624	3767992	0.00592	0.005858	0.001076	0.0006
7111	481632.8	3767996	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	481632.8	3767996	0.00611	0.006046	0.00111	0.00062
7112	481641.5	3767999	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	481641.5	3767999	0.006304	0.006238	0.001145	0.000639
7113	481650.2	3768003	6.50E-03	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	481650.2	3768003	0.006501	0.006433	0.001181	0.000659
7114	481659	3768007	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	481659	3768007	0.006701	0.00663	0.001217	0.00068
7115	481667.7	3768010	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+

7144	481857.2	3768192	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481857.2	3768192	0.016366	0.016194	0.002974	0.00166
7145	481860.8	3768200	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481860.8	3768200	0.016908	0.016731	0.003072	0.001715
7146	481864.4	3768209	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	481864.4	3768209	0.017437	0.017255	0.003168	0.001769
7147	481867.9	3768218	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	481867.9	3768218	0.01796	0.017772	0.003263	0.001822
7148	481871.5	3768227	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481871.5	3768227	0.018473	0.01828	0.003357	0.001874
7149	481875	3768235	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481875	3768235	0.018976	0.018777	0.003448	0.001925
7150	481878.6	3768244	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	481878.6	3768244	0.019464	0.01926	0.003537	0.001974
7151	481882.2	3768253	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481882.2	3768253	0.019932	0.019723	0.003622	0.002022
7152	481885.7	3768262	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	481885.7	3768262	0.020372	0.020159	0.003702	0.002066
7153	481889.3	3768271	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	481889.3	3768271	0.020777	0.02056	0.003775	0.002108
7154	481892.9	3768279	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	481892.9	3768279	0.021145	0.020924	0.003842	0.002145
7155	481896.4	3768288	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481896.4	3768288	0.021474	0.02125	0.003902	0.002178
7156	481900	3768297	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	481900	3768297	0.021762	0.021534	0.003954	0.002207
7157	481903.6	3768306	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	481903.6	3768306	0.022004	0.021774	0.003998	0.002232
7158	481907.1	3768314	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	481907.1	3768314	0.022196	0.021964	0.004033	0.002252
7159	481910.7	3768323	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481910.7	3768323	0.022338	0.022105	0.004059	0.002266
7160	481518.5	3767952	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	481518.5	3767952	0.004056	0.004013	0.000737	0.000411
7161	481509	3767952	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	481509	3767952	0.003981	0.003939	0.000723	0.000404
7162	481499.5	3767951	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	481499.5	3767951	0.003908	0.003867	0.00071	0.000396
7163	481490	3767951	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481490	3767951	0.003836	0.003796	0.000697	0.000389
7164	481480.5	3767951	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	481480.5	3767951	0.003766	0.003727	0.000684	0.000382
7165	481471	3767951	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	481471	3767951	0.003698	0.00366	0.000672	0.000375
7166	481461.5	3767951	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	481461.5	3767951	0.003632	0.003594	0.00066	0.000368
7167	481452	3767951	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	481452	3767951	0.003569	0.003531	0.000648	0.000362
7168	481442.5	3767951	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	481442.5	3767951	0.003507	0.003471	0.000637	0.000356
7169	481433	3767951	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	481433	3767951	0.003448	0.003412	0.000627	0.00035
7170	481423.4	3767951	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	481423.4	3767951	0.003392	0.003356	0.000616	0.000344
7171	481413.9	3767951	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	481413.9	3767951	0.003338	0.003303	0.000606	0.000339
7172	481404.4	3767951	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	481404.4	3767951	0.003286	0.003252	0.000597	0.000333
7173	481394.9	3767951	3.24E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	481394.9	3767951	0.003237	0.003203	0.000588	0.000328
7174	481385.4	3767951	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	481385.4	3767951	0.00319	0.003157	0.00058	0.000324
7175	481375.9	3767951	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481375.9	3767951	0.003146	0.003113	0.000572	0.000319
7176	481366.4	3767951	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	481366.4	3767951	0.003105	0.003073	0.000564	0.000315
7177	481356.9	3767951	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481356.9	3767951	0.003066	0.003034	0.000557	0.000311
7178	481347.4	3767951	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481347.4	3767951	0.003029	0.002997	0.00055	0.000307
7179	481337.9	3767951	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481337.9	3767951	0.002994	0.002963	0.000544	0.000304
7180	481596.9	3767950	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	481596.9	3767950	0.004667	0.004618	0.000848	0.000473
7181	481605.4	3767954	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	481605.4	3767954	0.004809	0.004759	0.000874	0.000488
7182	481614	3767958	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	481614	3767958	0.004955	0.004903	0.0009	0.000503
7183	481622.6	3767961	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	481622.6	3767961	0.005105	0.005051	0.000928	0.000518
7184	481631.2	3767965	5.26E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	481631.2	3767965	0.005259	0.005204	0.000956	0.000533
7185	481639.8	3767968	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	481639.8	3767968	0.005418	0.005361	0.000984	0.00055
7186	481648.4	3767972	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	481648.4	3767972	0.00558	0.005522	0.001014	0.000566
7187	481656.9	3767976	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	481656.9	3767976	0.005744	0.005684	0.001044	0.000583
7188	481665.5	3767979	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	481665.5	3767979	0.005911	0.00585	0.001074	0.0006
7189	481674.1	3767983	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	481674.1	3767983	0.00608	0.006017	0.001105	0.000617
7190	481682.7	3767986	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	481682.7	3767986	0.006021	0.005958	0.001094	0.000611
7191	481691.3	3767990	6.17E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	481691.3	3767990	0.006174	0.00611	0.001122	0.000626
7192	481699.9	3767994	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	481699.9	3767994	0.00633	0.006263	0.00115	0.000642
7193	481708.5	3767997	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	481708.5	3767997	0.006486	0.006418	0.001178	0.000658
7194	481717	3768001	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	481717	3768001	0.006643	0.006574	0.001207	0.000674
7195	481725.6	3768005	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	481725.6	3768005	0.006804	0.006733	0.001236	0.00069
7196	481734.2	3768008	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	481734.2	3768008	0.006964	0.006892	0.001265	0.000706
7197	481742.8	3768012	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	481742.8	3768012	0.00712	0.007046	0.001294	0.000722
7198	481751.4	3768015	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	481751.4	3768015	0.007274	0.007198	0.001322	0.000738
7199	481760	3768019	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	481760	3768019	0.007446	0.007368	0.001353	0.000755
7200	481768.6	3768023	7.61E-03	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	481768.6	3768023	0.007615	0.007535	0.001384	0.000772
7201	481777.1	3768026	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	481777.1	3768026	0.007778	0.007697	0.001413	0.000789
7202	481785.7	3768030	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	481785.7	3768030	0.007922	0.007839	0.001439	0.000804
7203	481794.3	3768033	8.06E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	481794.3	3768033	0.008061	0.007977	0.001465	0.000818
7204	481802.9	3768037	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	481802.9	3768037	0.008201	0.008115	0.00149	0.000832
7205	481811.5	3768041	8.34E-03	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	481811.5	3768041	0.00834	0.008253	0.001515	0.000846
7206	481820.1	3768044	8.48E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	481820.1	3768044	0.00848	0.008391	0.001541	0.00086
7207	481832.2	3768056	8.95E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	481832.2	3768056	0.008945	0.008852	0.001625	0.000907
7208	481835.7	3768065	9.29E-03	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	481835.7	3768065	0.009291	0.009194	0.001688	0.000942
7209	481839.2	3768074	9.65E-03	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	481839.2	3768074	0.009648	0.009547	0.001753	0.000979
7210	481842.7	3768082	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481842.7	3768082	0.010015	0.00991	0.00182	0.001016
7211	481846.2	3768091	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481846.2	3768091	0.010392	0.010284	0.001888	0.001054
7212	481849.7	3768100	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481849.7	3768100	0.01078	0.010668	0.001959	0.001094
7213	481853.2	3768108	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481853.2	3768108	0.011183	0.011066	0.002032	0.001134
7214	481856.7	3768117	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481856.7	3768117	0.01161	0.011488	0.002109	0.001178
7215	481860.2	3768125	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481860.2	3768125	0.012047	0.011921	0.002189	0.001222
7216	481863.7	3768134	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481863.7	3768134	0.012494	0.012363	0.00227	0.001267
7217	481867.2	3768143	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481867.2	3768143	0.012934	0.012799	0.00235	0.001312
7218	481870.7	3768151	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481870.7	3768151	0.013377	0.013237	0.002431	0.001357
7219	481874.2	3768160	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	481874.2	3768160	0.013832	0.013687	0.002513	0.001403
7220	481877.7	3768169	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481877.7	3768169	0.014299	0.014149	0.002598	0.00145
7221	481881.3	3768177	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481881.3	3768177	0.014773	0.014619	0.002684	0.001499
7222	481884.8	3768186	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481884.8	3768186	0.015244	0.015085	0.00277	0.001546
7223	481888.3	3768194	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481888.3	3768194	0.015709	0.015545	0.002854	0.001594
7224	481891.8	3768203	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	481891.8	3768203	0.016162	0.015993	0.002937	0.001639
7225	481895.3	3768212	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481895.3	3768212	0.016609	0.016435	0.003018	0.001685
7226	481898.8	3768220	1.70E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481898.8	3768220	0.017046	0.016868	0.003097	0.001729
7227	481902.3	3768229	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	481902.3	3768229	0.017481	0.017298	0.003176	0.001773
7228	481905.8	3768238	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	481905.8	3768238	0.017908	0.017721	0.003254	0.001817
7229	481909.3	3768246	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	481909.3	3768246	0.018311	0.01812	0.003327	0.001857
7230	481912.8	3768255	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	481912.8	3768255	0.018688	0.018492	0.003396	0.001896
7231	481916.3	3768263	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481916.3	3768263	0.019034	0.018835	0.003459	0.001931
7232	481919.8	3768272	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	481919.8	3768272	0.019353	0.019151	0.003516	0.001963
7233	481923.3	3768281	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	481923.3	3768281	0.019642	0.019437	0.003569	0.001992
7234	481926.8	3768289	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481926.8	3768289	0.019896	0.019688	0.003615	0.002018
7235	481930.4	3768298	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	481930.4	3768298	0.020114	0.019904	0.003655	0.00204
7236	481571.8	3767910	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	481571.8	3767910	0.003764	0.003725	0.000684	0.000382
7237	481580.5	3767914	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	481580.5	3767914	0.003879	0.003838	0.000705	0.000393
7238	481589.2	3767917	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.26E

7267	481867.7	3768070	9.37E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	481867.7	3768070	0.009369	0.009271	0.001702	0.00095
7268	481871.3	3768079	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	481871.3	3768079	0.009705	0.009604	0.001763	0.000984
7269	481874.8	3768088	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481874.8	3768088	0.010051	0.009946	0.001826	0.00102
7270	481878.4	3768097	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481878.4	3768097	0.010405	0.010296	0.00189	0.001055
7271	481881.9	3768105	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481881.9	3768105	0.010766	0.010653	0.001956	0.001092
7272	481885.5	3768114	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481885.5	3768114	0.011152	0.011035	0.002026	0.001131
7273	481889.1	3768123	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481889.1	3768123	0.011548	0.011428	0.002098	0.001171
7274	481892.6	3768132	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481892.6	3768132	0.011952	0.011827	0.002172	0.001212
7275	481896.2	3768140	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481896.2	3768140	0.012361	0.012232	0.002246	0.001254
7276	481899.7	3768149	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481899.7	3768149	0.012778	0.012644	0.002322	0.001296
7277	481903.3	3768158	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481903.3	3768158	0.013198	0.01306	0.002398	0.001339
7278	481906.8	3768166	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481906.8	3768166	0.013619	0.013477	0.002475	0.001381
7279	481910.4	3768175	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481910.4	3768175	0.014023	0.013877	0.002548	0.001422
7280	481913.9	3768184	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481913.9	3768184	0.014427	0.014276	0.002621	0.001463
7281	481917.5	3768193	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481917.5	3768193	0.014829	0.014674	0.002694	0.001504
7282	481921	3768201	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481921	3768201	0.015233	0.015074	0.002768	0.001545
7283	481924.6	3768210	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481924.6	3768210	0.015638	0.015474	0.002841	0.001586
7284	481928.1	3768219	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481928.1	3768219	0.016035	0.015868	0.002914	0.001627
7285	481953	3768280	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	481953	3768280	0.018232	0.018041	0.003313	0.001849
7286	481956.5	3768289	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481956.5	3768289	0.018439	0.018246	0.00335	0.00187
7287	481960.1	3768298	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	481960.1	3768298	0.018611	0.018416	0.003382	0.001888
7288	481963.6	3768306	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	481963.6	3768306	0.018748	0.018552	0.003406	0.001902
7289	481967.2	3768315	1.88E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481967.2	3768315	0.018848	0.018651	0.003425	0.001912
7290	481970.7	3768324	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481970.7	3768324	0.018909	0.018712	0.003436	0.001918
7291	481974.3	3768332	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481974.3	3768332	0.018931	0.018733	0.00344	0.00192
7292	481528.3	3767892	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481528.3	3767892	0.003249	0.003215	0.00059	0.00033
7293	481518.8	3767892	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	481518.8	3767892	0.003195	0.003162	0.000581	0.000324
7294	481509.3	3767892	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481509.3	3767892	0.003143	0.00311	0.000571	0.000319
7295	481499.8	3767891	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	481499.8	3767891	0.003091	0.003059	0.000562	0.000314
7296	481490.3	3767891	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	481490.3	3767891	0.003041	0.003009	0.000553	0.000308
7297	481480.8	3767891	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	481480.8	3767891	0.002992	0.002961	0.000544	0.000303
7298	481471.2	3767891	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481471.2	3767891	0.002944	0.002914	0.000535	0.000299
7299	481461.7	3767891	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	481461.7	3767891	0.002898	0.002868	0.000527	0.000294
7300	481452.2	3767891	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	481452.2	3767891	0.002854	0.002824	0.000519	0.000289
7301	481442.7	3767891	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	481442.7	3767891	0.002811	0.002781	0.000511	0.000285
7302	481433.2	3767891	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481433.2	3767891	0.002769	0.00274	0.000503	0.000281
7303	481423.7	3767891	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	481423.7	3767891	0.002729	0.002701	0.000496	0.000277
7304	481414.2	3767891	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	481414.2	3767891	0.002691	0.002663	0.000489	0.000273
7305	481404.7	3767891	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	481404.7	3767891	0.002654	0.002626	0.000482	0.000269
7306	481395.2	3767891	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	481395.2	3767891	0.002619	0.002591	0.000476	0.000266
7307	481385.7	3767891	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	481385.7	3767891	0.002585	0.002558	0.00047	0.000262
7308	481376.2	3767891	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	481376.2	3767891	0.002553	0.002527	0.000464	0.000259
7309	481366.6	3767891	2.52E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	481366.6	3767891	0.002523	0.002497	0.000458	0.000256
7310	481357.1	3767891	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	481357.1	3767891	0.002495	0.002469	0.000453	0.000253
7311	481347.6	3767891	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481347.6	3767891	0.002468	0.002442	0.000448	0.00025
7312	481338.1	3767891	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	481338.1	3767891	0.002443	0.002417	0.000444	0.000248
7313	481554.1	3767872	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	481554.1	3767872	0.003163	0.00313	0.000575	0.000321
7314	481562.7	3767876	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481562.7	3767876	0.003252	0.003218	0.000591	0.00033
7315	481571.3	3767880	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	481571.3	3767880	0.003343	0.003308	0.000607	0.000339
7316	481605.6	3767894	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	481605.6	3767894	0.003742	0.003702	0.00068	0.00038
7317	481614.1	3767898	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	481614.1	3767898	0.003849	0.003808	0.000699	0.00039
7318	481622.7	3767901	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	481622.7	3767901	0.003958	0.003917	0.000719	0.000402
7319	481631.3	3767905	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	481631.3	3767905	0.004066	0.004024	0.000739	0.000412
7320	481639.9	3767908	4.18E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	481639.9	3767908	0.004176	0.004132	0.000759	0.000424
7321	481648.4	3767912	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	481648.4	3767912	0.004288	0.004243	0.000779	0.000435
7322	481657	3767916	4.40E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	481657	3767916	0.004403	0.004357	0.0008	0.000447
7323	481665.6	3767919	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	481665.6	3767919	0.004521	0.004474	0.000821	0.000459
7324	481674.2	3767923	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	481674.2	3767923	0.004643	0.004594	0.000844	0.000471
7325	481682.7	3767926	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	481682.7	3767926	0.004591	0.004543	0.000834	0.000466
7326	481691.3	3767930	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	481691.3	3767930	0.004701	0.004652	0.000854	0.000477
7327	481734.2	3767948	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	481734.2	3767948	0.005279	0.005224	0.000959	0.000535
7328	481742.7	3767952	5.40E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	481742.7	3767952	0.005397	0.005341	0.000981	0.000547
7329	481751.3	3767955	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	481751.3	3767955	0.005516	0.005459	0.001002	0.00056
7330	481759.9	3767959	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	481759.9	3767959	0.005638	0.005579	0.001024	0.000572
7331	481768.4	3767962	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	481768.4	3767962	0.005759	0.005699	0.001046	0.000584
7332	481777	3767966	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	481777	3767966	0.005877	0.005815	0.001068	0.000596
7333	481785.6	3767970	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	481785.6	3767970	0.005995	0.005932	0.001089	0.000608
7334	481794.2	3767973	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	481794.2	3767973	0.006114	0.00605	0.001111	0.00062
7335	481802.7	3767977	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	481802.7	3767977	0.006232	0.006166	0.001132	0.000632
7336	481811.3	3767980	6.35E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	481811.3	3767980	0.006348	0.006282	0.001153	0.000644
7337	481819.9	3767984	6.46E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	481819.9	3767984	0.006463	0.006395	0.001174	0.000656
7338	481828.5	3767988	6.58E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481828.5	3767988	0.006577	0.006508	0.001195	0.000667
7339	481837	3767991	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	481837	3767991	0.006691	0.006621	0.001216	0.000679
7340	481845.6	3767995	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	481845.6	3767995	0.006802	0.006731	0.001236	0.00069
7341	481854.2	3767998	6.91E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	481854.2	3767998	0.006906	0.006834	0.001255	0.000701
7342	481862.7	3768002	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	481862.7	3768002	0.007004	0.006931	0.001273	0.00071
7343	481874.8	3768014	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	481874.8	3768014	0.007352	0.007275	0.001336	0.000746
7344	481878.3	3768023	7.62E-03	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	481878.3	3768023	0.007619	0.00754	0.001384	0.000773
7345	481881.8	3768031	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	481881.8	3768031	0.007894	0.007812	0.001434	0.000801
7346	481885.3	3768040	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	481885.3	3768040	0.008175	0.008089	0.001485	0.000829
7347	481888.8	3768049	8.46E-03	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	481888.8	3768049	0.008458	0.008369	0.001537	0.000858
7348	481892.3	3768057	8.74E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	481892.3	3768057	0.008743	0.008652	0.001589	0.000887
7349	481895.8	3768066	9.04E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	481895.8	3768066	0.009036	0.008942	0.001642	0.000917
7350	481899.3	3768075	9.33E-03	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00	481899.3	3768075	0.009335	0.009237	0.001696	0.000947
7351	481902.8	3768083	9.65E-03	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	481902.8	3768083	0.009646	0.009545	0.001753	0.000978
7352	481906.3	3768092	9.97E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481906.3	3768092	0.009965	0.009861	0.001811	0.001011
7353	481909.8	3768100	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481909.8	3768100	0.010292	0.010184	0.00187	0.001044
7354	481913.3	3768109	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481913.3	3768109	0.010627	0.010516	0.001931	0.001078
7355	481916.8	3768118	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481916.8	3768118	0.010972	0.010857	0.001994	0.001113
7356	481920.3	3768126	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481920.3	3768126	0.01132	0.011201	0.002057	0.001148
7357	481923.8	3768135	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481923.8	3768135	0.011667	0.011545	0.00212	0.001184
7358	481927.3	3768143	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481927.3	3768143	0.012029	0.011903	0.002186	0.00122
7359	481930.8	3768152	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481930.8	3768152	0.012397	0.012268	0.002253	0.001258
7360	481951.9	3768204	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481951.9	3768204	0.014554	0.014401	0.002644	0.001476
7361	481955.4	3768212	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.

7390	481385.8	3767861	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	481385.8	3767861	0.00235	0.002325	0.000427	0.000238
7391	481376.3	3767861	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	481376.3	3767861	0.002322	0.002298	0.000422	0.000236
7392	481366.8	3767861	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481366.8	3767861	0.002296	0.002272	0.000417	0.000233
7393	481357.3	3767861	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481357.3	3767861	0.002272	0.002248	0.000413	0.00023
7394	481347.7	3767861	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481347.7	3767861	0.002248	0.002225	0.000409	0.000228
7395	481338.2	3767861	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481338.2	3767861	0.002226	0.002203	0.000404	0.000226
7396	481563.2	3767846	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	481563.2	3767846	0.002923	0.002893	0.000531	0.000297
7397	481571.9	3767850	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	481571.9	3767850	0.003002	0.002971	0.000546	0.000305
7398	481580.6	3767853	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	481580.6	3767853	0.003084	0.003052	0.00056	0.000313
7399	481589.2	3767857	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	481589.2	3767857	0.003169	0.003135	0.000576	0.000321
7400	481597.9	3767861	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481597.9	3767861	0.003256	0.003222	0.000592	0.00033
7401	481632.6	3767875	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	481632.6	3767875	0.003628	0.00359	0.000659	0.000368
7402	481641.2	3767879	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	481641.2	3767879	0.003722	0.003684	0.000676	0.000378
7403	481649.9	3767883	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	481649.9	3767883	0.00382	0.00378	0.000694	0.000387
7404	481658.6	3767886	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	481658.6	3767886	0.003919	0.003878	0.000712	0.000398
7405	481667.3	3767890	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	481667.3	3767890	0.004023	0.003981	0.000731	0.000408
7406	481675.9	3767893	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	481675.9	3767893	0.004128	0.004085	0.00075	0.000419
7407	481684.6	3767897	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	481684.6	3767897	0.004084	0.004042	0.000742	0.000414
7408	481693.3	3767901	4.17E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	481693.3	3767901	0.004173	0.00413	0.000758	0.000423
7409	481701.9	3767904	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	481701.9	3767904	0.004271	0.004226	0.000776	0.000433
7410	481710.6	3767908	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	481710.6	3767908	0.00437	0.004325	0.000794	0.000443
7411	481719.3	3767912	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	481719.3	3767912	0.004471	0.004425	0.000812	0.000454
7412	481727.9	3767915	4.57E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	481727.9	3767915	0.004574	0.004526	0.000831	0.000464
7413	481736.6	3767919	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	481736.6	3767919	0.004677	0.004628	0.00085	0.000474
7414	481745.3	3767923	4.78E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	481745.3	3767923	0.004782	0.004732	0.000869	0.000485
7415	481753.9	3767926	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	481753.9	3767926	0.004887	0.004836	0.000888	0.000496
7416	481762.6	3767930	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	481762.6	3767930	0.004993	0.004941	0.000907	0.000506
7417	481806	3767948	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481806	3767948	0.005527	0.005469	0.001004	0.000561
7418	481814.6	3767952	5.63E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	481814.6	3767952	0.005633	0.005574	0.001024	0.000571
7419	481823.3	3767955	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	481823.3	3767955	0.005738	0.005678	0.001043	0.000582
7420	481832	3767959	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	481832	3767959	0.005842	0.005781	0.001062	0.000593
7421	481840.6	3767963	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	481840.6	3767963	0.005945	0.005883	0.00108	0.000603
7422	481849.3	3767966	6.05E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	481849.3	3767966	0.006045	0.005982	0.001098	0.000613
7423	481858	3767970	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	481858	3767970	0.006144	0.00608	0.001116	0.000623
7424	481866.6	3767974	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	481866.6	3767974	0.00624	0.006174	0.001134	0.000633
7425	481875.3	3767977	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	481875.3	3767977	0.006339	0.006273	0.001152	0.000643
7426	481884	3767981	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	481884	3767981	0.006439	0.006372	0.00117	0.000653
7427	481896.2	3767993	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	481896.2	3767993	0.006761	0.006691	0.001229	0.000686
7428	481899.7	3768002	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	481899.7	3768002	0.006993	0.00692	0.001271	0.000709
7429	481903.3	3768011	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	481903.3	3768011	0.007226	0.007151	0.001313	0.000733
7430	481906.8	3768019	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	481906.8	3768019	0.007465	0.007387	0.001356	0.000757
7431	481910.4	3768028	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	481910.4	3768028	0.00771	0.00763	0.001401	0.000782
7432	481913.9	3768037	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	481913.9	3768037	0.007961	0.007878	0.001447	0.000808
7433	481917.4	3768045	8.22E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	481917.4	3768045	0.008218	0.008132	0.001493	0.000834
7434	481921	3768054	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481921	3768054	0.00849	0.008401	0.001543	0.000861
7435	481924.5	3768063	8.77E-03	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	481924.5	3768063	0.008772	0.00868	0.001594	0.00089
7436	481928.1	3768072	9.06E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	481928.1	3768072	0.009064	0.008969	0.001647	0.000919
7437	481931.6	3768080	9.36E-03	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	481931.6	3768080	0.009356	0.009259	0.0017	0.000949
7438	481952.9	3768133	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481952.9	3768133	0.011188	0.011071	0.002033	0.001135
7439	481956.4	3768141	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481956.4	3768141	0.011514	0.011393	0.002092	0.001168
7440	481959.9	3768150	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	481959.9	3768150	0.011833	0.01171	0.00215	0.0012
7441	481963.5	3768159	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481963.5	3768159	0.012153	0.012026	0.002208	0.001233
7442	481967	3768167	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481967	3768167	0.012478	0.012348	0.002267	0.001266
7443	481970.6	3768176	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481970.6	3768176	0.012808	0.012674	0.002327	0.001299
7444	481974.1	3768185	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481974.1	3768185	0.01313	0.012993	0.002386	0.001332
7445	481977.6	3768194	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481977.6	3768194	0.013443	0.013303	0.002443	0.001364
7446	481981.2	3768202	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481981.2	3768202	0.013744	0.0136	0.002497	0.001394
7447	481984.7	3768211	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481984.7	3768211	0.014034	0.013887	0.00255	0.001424
7448	481988.3	3768220	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481988.3	3768220	0.014314	0.014164	0.002601	0.001452
7449	481991.8	3768228	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481991.8	3768228	0.014588	0.014435	0.002651	0.00148
7450	481995.4	3768237	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481995.4	3768237	0.014856	0.0147	0.002699	0.001507
7451	481998.9	3768246	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481998.9	3768246	0.015102	0.014944	0.002744	0.001532
7452	482002.4	3768255	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	482002.4	3768255	0.015327	0.015166	0.002785	0.001555
7453	482006	3768263	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	482006	3768263	0.015529	0.015367	0.002822	0.001575
7454	482009.5	3768272	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	482009.5	3768272	0.015709	0.015545	0.002854	0.001594
7455	482013.1	3768281	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	482013.1	3768281	0.015865	0.015699	0.002883	0.001609
7456	482016.6	3768289	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	482016.6	3768289	0.015993	0.015826	0.002906	0.001622
7457	482020.1	3768298	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	482020.1	3768298	0.016094	0.015925	0.002924	0.001633
7458	482023.7	3768307	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	482023.7	3768307	0.016166	0.015997	0.002937	0.00164
7459	482027.2	3768316	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	482027.2	3768316	0.01621	0.016041	0.002945	0.001644
7460	482030.8	3768324	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	482030.8	3768324	0.016225	0.016056	0.002948	0.001646
7461	481528.5	3767832	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	481528.5	3767832	0.002632	0.002605	0.000478	0.000267
7462	481519	3767832	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	481519	3767832	0.002593	0.002566	0.000471	0.000263
7463	481509.5	3767832	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	481509.5	3767832	0.002555	0.002528	0.000464	0.000259
7464	481500	3767831	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	481500	3767831	0.002518	0.002491	0.000457	0.000255
7465	481490.5	3767831	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	481490.5	3767831	0.002481	0.002455	0.000451	0.000252
7466	481481	3767831	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	481481	3767831	0.002446	0.00242	0.000444	0.000248
7467	481471.5	3767831	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	481471.5	3767831	0.002412	0.002386	0.000438	0.000245
7468	481462	3767831	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	481462	3767831	0.002378	0.002353	0.000432	0.000241
7469	481452.5	3767831	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	481452.5	3767831	0.002345	0.002321	0.000426	0.000238
7470	481443	3767831	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	481443	3767831	0.002314	0.00229	0.00042	0.000235
7471	481433.5	3767831	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	481433.5	3767831	0.002283	0.00226	0.000415	0.000232
7472	481423.9	3767831	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	481423.9	3767831	0.002254	0.002231	0.00041	0.000229
7473	481414.4	3767831	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481414.4	3767831	0.002226	0.002203	0.000404	0.000226
7474	481404.9	3767831	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	481404.9	3767831	0.002199	0.002176	0.0004	0.000223
7475	481395.4	3767831	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	481395.4	3767831	0.002173	0.00215	0.000395	0.00022
7476	481385.9	3767831	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	481385.9	3767831	0.002148	0.002126	0.00039	0.000218
7477	481376.4	3767831	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	481376.4	3767831	0.002124	0.002102	0.000386	0.000215
7478	481366.9	3767831	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	481366.9	3767831	0.002101	0.002079	0.000382	0.000213
7479	481357.4	3767831	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	481357.4	3767831	0.00208	0.002058	0.000378	0.000211
7480	481347.9	3767831	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	481347.9	3767831	0.002059	0.002038	0.000374	0.000209
7481	481338.4	3767831	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	481338.4	3767831	0.00204	0.002018	0.000371	0.000207
7482	481563.7	3767816	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481563.7	3767816	0.002642	0.002614	0.00048	0.000268
7483	481572.5	3767820	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	481572.5	3767820	0.002711	0.002683	0.000493	0.000275
7484	481581.2	3767824	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00

7513	481896.5	3767956	5.87E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	481896.5	3767956	0.005866	0.005805	0.001066	0.000595
7514	481905.2	3767960	5.95E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	481905.2	3767960	0.005951	0.005888	0.001081	0.000604
7515	481917.6	3767972	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	481917.6	3767972	0.006225	0.00616	0.001131	0.000631
7516	481921.1	3767981	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481921.1	3767981	0.006427	0.00636	0.001168	0.000652
7517	481924.7	3767990	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	481924.7	3767990	0.006634	0.006564	0.001205	0.000673
7518	481928.3	3767999	6.85E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	481928.3	3767999	0.006845	0.006774	0.001244	0.000694
7519	481931.9	3768007	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	481931.9	3768007	0.007064	0.006991	0.001284	0.000717
7520	481953.3	3768060	8.51E-03	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	481953.3	3768060	0.008508	0.008419	0.001546	0.000863
7521	481956.9	3768069	8.77E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	481956.9	3768069	0.008766	0.008674	0.001593	0.000889
7522	481960.5	3768078	9.03E-03	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	481960.5	3768078	0.009025	0.008931	0.00164	0.000916
7523	481964.1	3768087	9.29E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	481964.1	3768087	0.009294	0.009196	0.001689	0.000943
7524	481967.6	3768095	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	481967.6	3768095	0.009566	0.009466	0.001738	0.00097
7525	481971.2	3768104	9.84E-03	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	481971.2	3768104	0.009843	0.00974	0.001789	0.000998
7526	481974.8	3768113	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481974.8	3768113	0.010131	0.010025	0.001841	0.001028
7527	481978.4	3768122	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481978.4	3768122	0.01042	0.010311	0.001893	0.001057
7528	481982	3768131	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481982	3768131	0.010709	0.010597	0.001946	0.001086
7529	481985.5	3768139	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481985.5	3768139	0.010999	0.010884	0.001998	0.001116
7530	481989.1	3768148	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481989.1	3768148	0.011299	0.011181	0.002053	0.001146
7531	481992.7	3768157	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481992.7	3768157	0.011601	0.01148	0.002108	0.001177
7532	481996.3	3768166	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481996.3	3768166	0.011897	0.011773	0.002162	0.001207
7533	481999.8	3768175	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481999.8	3768175	0.012182	0.012055	0.002213	0.001236
7534	482003.4	3768183	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	482003.4	3768183	0.012466	0.012336	0.002265	0.001265
7535	482007	3768192	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	482007	3768192	0.012748	0.012614	0.002316	0.001293
7536	482010.6	3768201	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	482010.6	3768201	0.01302	0.012884	0.002366	0.001321
7537	482014.2	3768210	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	482014.2	3768210	0.01328	0.013141	0.002413	0.001347
7538	482017.7	3768219	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	482017.7	3768219	0.013529	0.013388	0.002458	0.001372
7539	482021.3	3768227	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	482021.3	3768227	0.013765	0.013621	0.002501	0.001396
7540	482024.9	3768236	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	482024.9	3768236	0.013986	0.01384	0.002541	0.001419
7541	482028.5	3768245	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	482028.5	3768245	0.014193	0.014045	0.002579	0.00144
7542	482032	3768254	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	482032	3768254	0.014385	0.014235	0.002614	0.001459
7543	482035.6	3768263	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	482035.6	3768263	0.014558	0.014406	0.002645	0.001477
7544	482039.2	3768271	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	482039.2	3768271	0.014708	0.014555	0.002673	0.001492
7545	482042.8	3768280	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	482042.8	3768280	0.014835	0.01468	0.002696	0.001505
7546	482046.3	3768289	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	482046.3	3768289	0.014938	0.014782	0.002714	0.001515
7547	482049.9	3768298	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	482049.9	3768298	0.015016	0.014859	0.002728	0.001523
7548	482053.5	3768307	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482053.5	3768307	0.015069	0.014911	0.002738	0.001529
7549	482057.1	3768315	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482057.1	3768315	0.015096	0.014938	0.002743	0.001531
7550	482060.7	3768324	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482060.7	3768324	0.015097	0.014939	0.002743	0.001531
7561	481433.6	3767801	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481433.6	3767801	0.002091	0.002069	0.00038	0.000212
7562	481424.1	3767801	2.07E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	481424.1	3767801	0.002065	0.002044	0.000375	0.000209
7563	481414.6	3767801	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	481414.6	3767801	0.002041	0.002019	0.000371	0.000207
7564	481405.1	3767801	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	481405.1	3767801	0.002017	0.001996	0.000367	0.000205
7565	481395.5	3767801	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	481395.5	3767801	0.001995	0.001974	0.000362	0.000202
7566	481386	3767801	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	481386	3767801	0.001973	0.001952	0.000358	0.0002
7567	481376.5	3767801	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	481376.5	3767801	0.001952	0.001932	0.000355	0.000198
7568	481367	3767801	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	481367	3767801	0.001932	0.001912	0.000351	0.000196
7569	481357.5	3767801	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	481357.5	3767801	0.001913	0.001893	0.000348	0.000194
7570	481348	3767801	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481348	3767801	0.001895	0.001875	0.000344	0.000192
7571	481338.5	3767801	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	481338.5	3767801	0.001878	0.001858	0.000341	0.00019
7573	481563.4	3767786	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	481563.4	3767786	0.002396	0.002371	0.000435	0.000243
7574	481572	3767790	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	481572	3767790	0.002454	0.002429	0.000446	0.000249
7575	481580.7	3767793	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	481580.7	3767793	0.002515	0.002489	0.000457	0.000255
7576	481589.3	3767797	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	481589.3	3767797	0.002577	0.00255	0.000468	0.000261
7577	481598	3767801	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481598	3767801	0.002642	0.002614	0.00048	0.000268
7578	481606.6	3767804	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	481606.6	3767804	0.002707	0.002679	0.000492	0.000275
7579	481615.3	3767808	2.77E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481615.3	3767808	0.002775	0.002746	0.000504	0.000281
7580	481623.9	3767812	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	481623.9	3767812	0.002844	0.002814	0.000517	0.000288
7581	481632.6	3767815	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	481632.6	3767815	0.002914	0.002884	0.000529	0.000296
7582	481641.2	3767819	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	481641.2	3767819	0.002987	0.002955	0.000543	0.000303
7583	481649.9	3767822	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	481649.9	3767822	0.003061	0.003029	0.000556	0.00031
7584	481658.5	3767826	3.14E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	481658.5	3767826	0.003137	0.003104	0.00057	0.000318
7585	481693.1	3767841	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	481693.1	3767841	0.003323	0.003288	0.000604	0.000337
7586	481701.8	3767844	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	481701.8	3767844	0.003405	0.003369	0.000619	0.000345
7587	481710.4	3767848	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	481710.4	3767848	0.003487	0.003451	0.000634	0.000354
7588	481719.1	3767852	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	481719.1	3767852	0.003572	0.003534	0.000649	0.000362
7589	481727.7	3767855	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	481727.7	3767855	0.003649	0.003611	0.000663	0.00037
7590	481736.4	3767859	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	481736.4	3767859	0.003726	0.003687	0.000677	0.000378
7591	481745	3767862	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	481745	3767862	0.003804	0.003765	0.000691	0.000386
7592	481753.7	3767866	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	481753.7	3767866	0.003884	0.003843	0.000706	0.000394
7593	481762.3	3767870	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	481762.3	3767870	0.003962	0.003921	0.00072	0.000402
7594	481771	3767873	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481771	3767873	0.004044	0.004001	0.000735	0.00041
7595	481779.6	3767877	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	481779.6	3767877	0.004128	0.004085	0.00075	0.000419
7596	481788.3	3767881	4.21E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	481788.3	3767881	0.004207	0.004163	0.000764	0.000427
7597	481796.9	3767884	4.28E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	481796.9	3767884	0.004284	0.004239	0.000778	0.000435
7598	481805.6	3767888	4.36E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	481805.6	3767888	0.00436	0.004314	0.000792	0.000442
7599	481814.2	3767891	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	481814.2	3767891	0.004439	0.004392	0.000806	0.00045
7600	481822.9	3767895	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	481822.9	3767895	0.00452	0.004473	0.000821	0.000459
7601	481831.5	3767899	4.60E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	481831.5	3767899	0.004604	0.004556	0.000837	0.000467
7602	481840.2	3767902	4.69E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	481840.2	3767902	0.004689	0.00464	0.000852	0.000476
7603	481848.8	3767906	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	481848.8	3767906	0.004773	0.004723	0.000867	0.000484
7604	481857.5	3767910	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	481857.5	3767910	0.004857	0.004807	0.000883	0.000493
7605	481866.1	3767913	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	481866.1	3767913	0.00494	0.004889	0.000898	0.000501
7606	481874.8	3767917	5.03E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	481874.8	3767917	0.005026	0.004974	0.000913	0.00051
7607	481883.4	3767921	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	481883.4	3767921	0.005115	0.005061	0.000929	0.000519
7608	481892.1	3767924	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	481892.1	3767924	0.005202	0.005147	0.000945	0.000528
7609	481900.7	3767928	5.29E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	481900.7	3767928	0.005286	0.005231	0.000961	0.000536
7610	481953	3767986	6.50E-03	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	481953	3767986	0.006501	0.006433	0.001181	0.000659
7611	481956.5	3767994	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	481956.5	3767994	0.006698	0.006628	0.001217	0.000679
7612	481960.1	3768003	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	481960.1	3768003	0.0069	0.006828	0.001254	0.0007
7613	481963.6	3768012	7.10E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	481963.6	3768012	0.007102	0.007027	0.00129	0.00072
7614	481967.1	3768021	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	481967.1	3768021	0.007308	0.007232	0.001328	0.000741
7615	481970.7	3768029	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	481970.7	3768029	0.007524	0.007445	0.001367	0.000763
7616	481974.2	3768038	7.75E-03	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	481974.2	3768038	0.007746	0.007665	0.001407	0.000786
7617	481977.7	3768047	7.98E-03	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	481977.7	3768047	0.007975	0.007892	0.001449	0.000809
7618	481981.3	3768055	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03

7647	482083.7	3768307	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482083.7	3768307	0.014085	0.013938	0.002559	0.001429
7648	482087.3	3768316	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482087.3	3768316	0.014097	0.013949	0.002561	0.00143
7649	482090.8	3768325	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482090.8	3768325	0.014084	0.013937	0.002559	0.001429
7650	482094.3	3768333	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	482094.3	3768333	0.014048	0.013901	0.002552	0.001425
7661	481433.7	3767771	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481433.7	3767771	0.001923	0.001903	0.000349	0.000195
7662	481424.2	3767771	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481424.2	3767771	0.001901	0.001881	0.000345	0.000193
7663	481414.7	3767771	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481414.7	3767771	0.001879	0.00186	0.000342	0.000191
7664	481405.2	3767771	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	481405.2	3767771	0.001859	0.001839	0.000338	0.000189
7665	481395.7	3767771	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	481395.7	3767771	0.001839	0.00182	0.000334	0.000187
7666	481386.2	3767771	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	481386.2	3767771	0.00182	0.001801	0.000331	0.000185
7667	481376.6	3767771	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	481376.6	3767771	0.001802	0.001783	0.000327	0.000183
7668	481367.1	3767771	1.78E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	481367.1	3767771	0.001784	0.001766	0.000324	0.000181
7669	481357.6	3767771	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	481357.6	3767771	0.001768	0.001749	0.000321	0.000179
7670	481348.1	3767771	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	481348.1	3767771	0.001752	0.001733	0.000318	0.000178
7671	481338.6	3767771	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	481338.6	3767771	0.001736	0.001718	0.000315	0.000176
7674	481572.6	3767760	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481572.6	3767760	0.002241	0.002218	0.000407	0.000227
7675	481581.3	3767764	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481581.3	3767764	0.002294	0.00227	0.000417	0.000233
7676	481590	3767767	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	481590	3767767	0.002348	0.002324	0.000427	0.000238
7677	481598.8	3767771	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	481598.8	3767771	0.002405	0.002379	0.000437	0.000244
7678	481607.5	3767775	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481607.5	3767775	0.002462	0.002436	0.000447	0.00025
7679	481616.2	3767778	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	481616.2	3767778	0.002521	0.002495	0.000458	0.000256
7680	481624.9	3767782	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	481624.9	3767782	0.002582	0.002555	0.000469	0.000262
7681	481633.7	3767786	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481633.7	3767786	0.002644	0.002617	0.00048	0.000268
7682	481642.4	3767789	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	481642.4	3767789	0.002708	0.00268	0.000492	0.000275
7683	481651.1	3767793	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481651.1	3767793	0.002774	0.002745	0.000504	0.000281
7684	481659.9	3767797	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	481659.9	3767797	0.002841	0.002811	0.000516	0.000288
7685	481668.6	3767800	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	481668.6	3767800	0.00291	0.002879	0.000529	0.000295
7686	481677.3	3767804	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	481677.3	3767804	0.00298	0.002949	0.000541	0.000302
7687	481686	3767808	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	481686	3767808	0.003051	0.003019	0.000554	0.00031
7688	481721	3767822	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	481721	3767822	0.003224	0.00319	0.000586	0.000327
7689	481729.7	3767826	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	481729.7	3767826	0.003294	0.00326	0.000599	0.000334
7690	481738.4	3767830	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	481738.4	3767830	0.003363	0.003328	0.000611	0.000341
7691	481747.2	3767833	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	481747.2	3767833	0.003431	0.003395	0.000623	0.000348
7692	481755.9	3767837	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	481755.9	3767837	0.003499	0.003462	0.000636	0.000355
7693	481764.6	3767841	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	481764.6	3767841	0.00357	0.003532	0.000649	0.000362
7694	481773.3	3767844	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	481773.3	3767844	0.003642	0.003604	0.000662	0.000369
7695	481782.1	3767848	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	481782.1	3767848	0.003716	0.003677	0.000675	0.000377
7696	481790.8	3767852	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	481790.8	3767852	0.003794	0.003754	0.000689	0.000385
7697	481799.5	3767855	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	481799.5	3767855	0.00387	0.003829	0.000703	0.000393
7698	481808.3	3767859	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481808.3	3767859	0.003945	0.003903	0.000717	0.0004
7699	481817	3767863	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	481817	3767863	0.004017	0.003975	0.00073	0.000407
7700	481825.7	3767866	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	481825.7	3767866	0.00409	0.004048	0.000743	0.000415
7701	481834.4	3767870	4.16E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	481834.4	3767870	0.004164	0.00412	0.000757	0.000422
7702	481843.2	3767874	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	481843.2	3767874	0.004238	0.004193	0.00077	0.00043
7703	481851.9	3767877	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	481851.9	3767877	0.004312	0.004267	0.000783	0.000437
7704	481860.6	3767881	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	481860.6	3767881	0.004385	0.00434	0.000797	0.000445
7705	481869.4	3767885	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	481869.4	3767885	0.004459	0.004412	0.00081	0.000452
7706	481878.1	3767888	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	481878.1	3767888	0.004537	0.004489	0.000824	0.00046
7707	481886.8	3767892	4.62E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	481886.8	3767892	0.004616	0.004567	0.000839	0.000468
7708	481895.6	3767896	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	481895.6	3767896	0.004695	0.004646	0.000853	0.000476
7709	481904.3	3767899	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	481904.3	3767899	0.004772	0.004722	0.000867	0.000484
7710	481913	3767903	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	481913	3767903	0.004843	0.004793	0.00088	0.000491
7711	481921.7	3767907	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	481921.7	3767907	0.004914	0.004862	0.000893	0.000498
7712	481930.5	3767910	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	481930.5	3767910	0.004983	0.00493	0.000905	0.000505
7713	481939.2	3767914	5.06E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	481939.2	3767914	0.005056	0.005003	0.000919	0.000513
7714	481947.9	3767918	5.13E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	481947.9	3767918	0.005128	0.005074	0.000932	0.00052
7715	481960.2	3767930	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	481960.2	3767930	0.005355	0.005299	0.000973	0.000543
7716	481970.9	3767956	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	481970.9	3767956	0.005842	0.005781	0.001061	0.000593
7717	481974.5	3767965	6.01E-03	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	481974.5	3767965	0.006011	0.005948	0.001092	0.00061
7718	481978.1	3767974	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	481978.1	3767974	0.006184	0.006119	0.001124	0.000627
7719	481981.6	3767983	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	481981.6	3767983	0.00636	0.006293	0.001156	0.000645
7720	481985.2	3767991	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	481985.2	3767991	0.006539	0.006471	0.001188	0.000663
7721	481988.8	3768000	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	481988.8	3768000	0.006722	0.006652	0.001221	0.000682
7722	481992.3	3768009	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	481992.3	3768009	0.006912	0.006839	0.001256	0.000701
7723	481995.9	3768018	7.11E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	481995.9	3768018	0.007108	0.007034	0.001292	0.000721
7724	481999.4	3768027	7.31E-03	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	481999.4	3768027	0.007315	0.007238	0.001329	0.000742
7725	482003	3768035	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	482003	3768035	0.007523	0.007445	0.001367	0.000763
7726	482006.6	3768044	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	482006.6	3768044	0.007733	0.007652	0.001405	0.000784
7727	482010.1	3768053	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	482010.1	3768053	0.00794	0.007857	0.001443	0.000805
7728	482013.7	3768062	8.15E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	482013.7	3768062	0.008149	0.008064	0.001481	0.000827
7729	482017.3	3768070	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	482017.3	3768070	0.008361	0.008274	0.001519	0.000848
7730	482020.8	3768079	8.58E-03	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	482020.8	3768079	0.008582	0.008493	0.001559	0.000871
7731	482024.4	3768088	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	482024.4	3768088	0.008819	0.008727	0.001602	0.000895
7732	482028	3768097	9.05E-03	0.00E+00	0.00E+00	8.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	482028	3768097	0.009055	0.00896	0.001645	0.000918
7733	482031.5	3768105	9.29E-03	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	482031.5	3768105	0.00929	0.009192	0.001688	0.000942
7734	482035.1	3768114	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	482035.1	3768114	0.009516	0.009416	0.001729	0.000965
7735	482038.7	3768123	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	482038.7	3768123	0.009743	0.009641	0.00177	0.000988
7736	482042.2	3768132	9.97E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	482042.2	3768132	0.00997	0.009866	0.001812	0.001011
7737	482045.8	3768141	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	482045.8	3768141	0.010204	0.010097	0.001854	0.001035
7738	482049.4	3768149	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	482049.4	3768149	0.010446	0.010337	0.001898	0.00106
7739	482052.9	3768158	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	482052.9	3768158	0.010687	0.010575	0.001942	0.001084
7740	482056.5	3768167	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	482056.5	3768167	0.010921	0.010807	0.001984	0.001108
7741	482060.1	3768176	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	482060.1	3768176	0.011139	0.011023	0.002024	0.00113
7742	482063.6	3768184	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	482063.6	3768184	0.011353	0.011234	0.002063	0.001152
7743	482067.2	3768193	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	482067.2	3768193	0.01156	0.01144	0.002101	0.001173
7744	482070.8	3768202	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	482070.8	3768202	0.011767	0.011644	0.002138	0.001194
7745	482074.3	3768211	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	482074.3	3768211	0.011968	0.011843	0.002175	0.001214
7746	482077.9	3768219	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	482077.9	3768219	0.012161	0.012034	0.00221	0.001234
7747	482081.5	3768228	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	482081.5	3768228	0.01234	0.012211	0.002242	0.001252
7748	482085	3768237	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	482085	3768237	0.012497	0.012367	0.002271	0.001268
7749	482088.6	3768246	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	482088.6	3768246	0.012641	0.012509	0.002297	0.001282
7750	482092.2	3768255	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	482092.2	3768255	0.01277	0.012637	0.00232	0.001295
7751	482095.7	3768263	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	482095.7	3768263	0.012883	0.012748	0.002341	0.001307
7752	482099.3	3768272	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	482099.3	3768272	0.012979	0.012843	0.002358	0.001317
7753	482102.9	3768281	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+

			UnMitigated			1.36E-05	T2			1.40E-05	T2L3			2.55E-06	T4			1.52E-06
	X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	481605.36	3768323.64	0.000012252	1.3094E-06	0.00E+00	1.36E-05	1.21E-05	1.91E-06	0.00E+00	1.40E-05	2.23E-06	3.25E-07	0.00E+00	2.55E-06	1.24E-06	2.80E-07	0.00E+00	1.52E-06
2	481599.92	3768286.15	8.6163E-06	9.2082E-07	0.00E+00	9.54E-06	8.53E-06	1.34E-06	0.00E+00	9.87E-06	1.57E-06	2.28E-07	0.00E+00	1.79E-06	8.74E-07	1.97E-07	0.00E+00	1.07E-06
3	481603.47	3768294.88	9.3256E-06	9.9662E-07	0.00E+00	1.03E-05	9.23E-06	1.45E-06	0.00E+00	1.07E-05	1.69E-06	2.47E-07	0.00E+00	1.94E-06	9.46E-07	2.13E-07	0.00E+00	1.16E-06
4	481607.02	3768303.62	0.000010042	1.0732E-06	0.00E+00	1.11E-05	9.94E-06	1.56E-06	0.00E+00	1.15E-05	1.82E-06	2.66E-07	0.00E+00	2.09E-06	1.02E-06	2.30E-07	0.00E+00	1.25E-06
5	481610.58	3768312.36	0.000010745	1.1483E-06	0.00E+00	1.19E-05	1.06E-05	1.67E-06	0.00E+00	1.23E-05	1.95E-06	2.85E-07	0.00E+00	2.24E-06	1.09E-06	2.46E-07	0.00E+00	1.34E-06
6	481614.13	3768321.09	0.000011414	1.2198E-06	0.00E+00	1.26E-05	1.13E-05	1.77E-06	0.00E+00	1.31E-05	2.07E-06	3.02E-07	0.00E+00	2.38E-06	1.16E-06	2.61E-07	0.00E+00	1.42E-06
7	481610.31	3768287.58	8.4827E-06	9.0654E-07	0.00E+00	9.39E-06	8.39E-06	1.32E-06	0.00E+00	9.71E-06	1.54E-06	2.25E-07	0.00E+00	1.77E-06	8.60E-07	1.94E-07	0.00E+00	1.05E-06
8	481613.78	3768296.12	0.000009104	9.7295E-07	0.00E+00	1.01E-05	9.01E-06	1.42E-06	0.00E+00	1.04E-05	1.65E-06	2.41E-07	0.00E+00	1.90E-06	9.23E-07	2.08E-07	0.00E+00	1.13E-06
9	481617.26	3768304.66	9.7199E-06	1.0388E-06	0.00E+00	1.08E-05	9.62E-06	1.51E-06	0.00E+00	1.11E-05	1.77E-06	2.57E-07	0.00E+00	2.02E-06	9.86E-07	2.22E-07	0.00E+00	1.21E-06
10	481620.73	3768313.21	0.000010317	1.1026E-06	0.00E+00	1.14E-05	1.02E-05	1.60E-06	0.00E+00	1.18E-05	1.87E-06	2.73E-07	0.00E+00	2.15E-06	1.05E-06	2.36E-07	0.00E+00	1.28E-06
11	481624.2	3768321.75	0.000010877	1.1624E-06	0.00E+00	1.20E-05	1.08E-05	1.69E-06	0.00E+00	1.25E-05	1.98E-06	2.88E-07	0.00E+00	2.26E-06	1.10E-06	2.49E-07	0.00E+00	1.35E-06
12	481620.59	3768288.74	8.3038E-06	8.8742E-07	0.00E+00	9.19E-06	8.22E-06	1.29E-06	0.00E+00	9.51E-06	1.51E-06	2.20E-07	0.00E+00	1.73E-06	8.42E-07	1.90E-07	0.00E+00	1.03E-06
13	481624	3768297.13	8.8478E-06	9.4556E-07	0.00E+00	9.79E-06	8.76E-06	1.38E-06	0.00E+00	1.01E-05	1.61E-06	2.34E-07	0.00E+00	1.84E-06	8.98E-07	2.02E-07	0.00E+00	1.10E-06
14	481630.82	3768313.9	9.8891E-06	1.0568E-06	0.00E+00	1.09E-05	9.79E-06	1.54E-06	0.00E+00	1.13E-05	1.80E-06	2.62E-07	0.00E+00	2.06E-06	1.00E-06	2.26E-07	0.00E+00	1.23E-06
15	481627.43	3768281.44	7.6133E-06	8.1363E-07	0.00E+00	8.43E-06	7.53E-06	1.18E-06	0.00E+00	8.72E-06	1.38E-06	2.02E-07	0.00E+00	1.58E-06	7.72E-07	1.74E-07	0.00E+00	9.46E-07
16	481634.15	3768297.96	8.5764E-06	9.1656E-07	0.00E+00	9.49E-06	8.49E-06	1.33E-06	0.00E+00	9.82E-06	1.56E-06	2.27E-07	0.00E+00	1.79E-06	8.70E-07	1.96E-07	0.00E+00	1.07E-06

			UnMitigated			T2			T2L3			T4		
			1.49E-02	6.73E-03	0.00E+00	1.48E-02	9.79E-03	0.00E+00	2.71E-03	1.67E-03	0.00E+00	1.51E-03	1.44E-03	0.00E+00
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481605.4	3768324	1.49E-02	6.73E-03	0.00E+00	1.48E-02	9.79E-03	0.00E+00	2.71E-03	1.67E-03	0.00E+00	1.51E-03	1.44E-03	0.00E+00
2	481599.9	3768286	1.05E-02	4.73E-03	0.00E+00	1.04E-02	6.88E-03	0.00E+00	1.91E-03	1.17E-03	0.00E+00	1.06E-03	1.01E-03	0.00E+00
3	481603.5	3768295	1.14E-02	5.12E-03	0.00E+00	1.12E-02	7.45E-03	0.00E+00	2.06E-03	1.27E-03	0.00E+00	1.15E-03	1.10E-03	0.00E+00
4	481607	3768304	1.22E-02	5.51E-03	0.00E+00	1.21E-02	8.02E-03	0.00E+00	2.22E-03	1.37E-03	0.00E+00	1.24E-03	1.18E-03	0.00E+00
5	481610.6	3768312	1.31E-02	5.90E-03	0.00E+00	1.29E-02	8.59E-03	0.00E+00	2.38E-03	1.46E-03	0.00E+00	1.33E-03	1.26E-03	0.00E+00
6	481614.1	3768321	1.39E-02	6.27E-03	0.00E+00	1.38E-02	9.12E-03	0.00E+00	2.53E-03	1.55E-03	0.00E+00	1.41E-03	1.34E-03	0.00E+00
7	481610.3	3768288	1.03E-02	4.66E-03	0.00E+00	1.02E-02	6.78E-03	0.00E+00	1.88E-03	1.15E-03	0.00E+00	1.05E-03	9.96E-04	0.00E+00
8	481613.8	3768296	1.11E-02	5.00E-03	0.00E+00	1.10E-02	7.27E-03	0.00E+00	2.01E-03	1.24E-03	0.00E+00	1.12E-03	1.07E-03	0.00E+00
9	481617.3	3768305	1.18E-02	5.34E-03	0.00E+00	1.17E-02	7.77E-03	0.00E+00	2.15E-03	1.32E-03	0.00E+00	1.20E-03	1.14E-03	0.00E+00
10	481620.7	3768313	1.26E-02	5.67E-03	0.00E+00	1.24E-02	8.24E-03	0.00E+00	2.28E-03	1.40E-03	0.00E+00	1.27E-03	1.21E-03	0.00E+00
11	481624.2	3768322	1.32E-02	5.97E-03	0.00E+00	1.31E-02	8.69E-03	0.00E+00	2.41E-03	1.48E-03	0.00E+00	1.34E-03	1.28E-03	0.00E+00
12	481620.6	3768289	1.01E-02	4.56E-03	0.00E+00	1.00E-02	6.64E-03	0.00E+00	1.84E-03	1.13E-03	0.00E+00	1.03E-03	9.75E-04	0.00E+00
13	481624	3768297	1.08E-02	4.86E-03	0.00E+00	1.07E-02	7.07E-03	0.00E+00	1.96E-03	1.20E-03	0.00E+00	1.09E-03	1.04E-03	0.00E+00
14	481630.8	3768314	1.20E-02	5.43E-03	0.00E+00	1.19E-02	7.90E-03	0.00E+00	2.19E-03	1.35E-03	0.00E+00	1.22E-03	1.16E-03	0.00E+00
15	481627.4	3768281	9.27E-03	4.18E-03	0.00E+00	9.17E-03	6.08E-03	0.00E+00	1.68E-03	1.04E-03	0.00E+00	9.40E-04	8.94E-04	0.00E+00
16	481634.2	3768298	1.04E-02	4.71E-03	0.00E+00	1.03E-02	6.85E-03	0.00E+00	1.90E-03	1.17E-03	0.00E+00	1.06E-03	1.01E-03	0.00E+00

			UnMitigated			T2			T2L3			T4		
			7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481605.4	3768324	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
2	481599.9	3768286	5.25E-02	0.00E+00	0.00E+00	5.19E-02	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00
3	481603.5	3768295	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
4	481607	3768304	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00
5	481610.6	3768312	6.54E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
6	481614.1	3768321	6.95E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
7	481610.3	3768288	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
8	481613.8	3768296	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
9	481617.3	3768305	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
10	481620.7	3768313	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
11	481624.2	3768322	6.62E-02	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
12	481620.6	3768289	5.06E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00
13	481624	3768297	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
14	481630.8	3768314	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00
15	481627.4	3768281	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00
16	481634.2	3768298	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00

		UnMitigate	T2	T2L3	T4
		0.057724	0.05712	0.010488	0.005855
X	Y	Yr 1	Yr 1	Yr 1	Yr 1
481320	3768235	0.015702	0.015538	0.002853	0.001593
481291.6	3768236	0.015484	0.015322	0.002813	0.001571
481300.6	3768233	0.014996	0.014839	0.002725	0.001521
481309.7	3768229	0.014577	0.014424	0.002649	0.001479
481318.7	3768225	0.014212	0.014063	0.002582	0.001442
481327.7	3768222	0.013895	0.01375	0.002525	0.001409
481266.1	3768237	0.015287	0.015127	0.002778	0.001551
481274.9	3768233	0.014772	0.014618	0.002684	0.001498
481283.7	3768230	0.014303	0.014153	0.002599	0.001451
481292.6	3768226	0.013879	0.013734	0.002522	0.001408
481301.4	3768222	0.013504	0.013363	0.002454	0.00137
481310.3	3768219	0.013178	0.01304	0.002394	0.001337
481319.1	3768215	0.012892	0.012757	0.002343	0.001308
481328	3768212	0.012642	0.01251	0.002297	0.001282
481241.3	3768237	0.015103	0.014945	0.002744	0.001532
481250	3768234	0.014585	0.014433	0.00265	0.001479

			UnMitigated			T2			T2L3			T4		
			8.20E-01	0.00E+00	0.00E+00	8.12E-01	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	8.32E-02	0.00E+00	0.00E+00
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481326.4	3768346	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2	481326.3	3768356	2.12E-01	0.00E+00	0.00E+00	2.10E-01	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00
3	481326.2	3768366	2.75E-01	0.00E+00	0.00E+00	2.72E-01	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00
4	481326.1	3768376	3.35E-01	0.00E+00	0.00E+00	3.31E-01	0.00E+00	0.00E+00	6.09E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00
5	481326	3768385	4.00E-01	0.00E+00	0.00E+00	3.96E-01	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00
6	481325.9	3768395	4.66E-01	0.00E+00	0.00E+00	4.61E-01	0.00E+00	0.00E+00	8.47E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00
7	481325.8	3768405	5.22E-01	0.00E+00	0.00E+00	5.17E-01	0.00E+00	0.00E+00	9.48E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00
8	481325.7	3768415	5.67E-01	0.00E+00	0.00E+00	5.61E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	5.75E-02	0.00E+00	0.00E+00
9	481325.6	3768425	6.12E-01	0.00E+00	0.00E+00	6.05E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00
10	481325.5	3768435	6.68E-01	0.00E+00	0.00E+00	6.61E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	6.78E-02	0.00E+00	0.00E+00
11	481325.4	3768445	7.78E-01	0.00E+00	0.00E+00	7.70E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00
12	481316.4	3768356	1.82E-01	0.00E+00	0.00E+00	1.80E-01	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00
13	481316.3	3768365	2.29E-01	0.00E+00	0.00E+00	2.26E-01	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00
14	481316.2	3768375	2.78E-01	0.00E+00	0.00E+00	2.75E-01	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
15	481316.1	3768385	3.28E-01	0.00E+00	0.00E+00	3.25E-01	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00
16	481316	3768395	3.78E-01	0.00E+00	0.00E+00	3.74E-01	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00
17	481315.9	3768405	4.24E-01	0.00E+00	0.00E+00	4.20E-01	0.00E+00	0.00E+00	7.71E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00
18	481315.8	3768415	4.67E-01	0.00E+00	0.00E+00	4.63E-01	0.00E+00	0.00E+00	8.49E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00
19	481315.7	3768425	5.13E-01	0.00E+00	0.00E+00	5.08E-01	0.00E+00	0.00E+00	9.33E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00
20	481315.6	3768435	5.75E-01	0.00E+00	0.00E+00	5.69E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00
21	481315.5	3768445	7.00E-01	0.00E+00	0.00E+00	6.93E-01	0.00E+00	0.00E+00	1.27E-01	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00
22	481322.5	3768322	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
23	481306.6	3768355	1.60E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
24	481306.5	3768365	1.98E-01	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00
25	481306.4	3768375	2.38E-01	0.00E+00	0.00E+00	2.36E-01	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00
26	481306.3	3768385	2.80E-01	0.00E+00	0.00E+00	2.77E-01	0.00E+00	0.00E+00	5.08E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00
27	481306.2	3768395	3.21E-01	0.00E+00	0.00E+00	3.17E-01	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00
28	481306.1	3768405	3.61E-01	0.00E+00	0.00E+00	3.57E-01	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00
29	481306	3768415	4.01E-01	0.00E+00	0.00E+00	3.97E-01	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00
30	481305.9	3768425	4.47E-01	0.00E+00	0.00E+00	4.43E-01	0.00E+00	0.00E+00	8.13E-02	0.00E+00	0.00E+00	4.54E-02	0.00E+00	0.00E+00
31	481305.8	3768435	5.13E-01	0.00E+00	0.00E+00	5.08E-01	0.00E+00	0.00E+00	9.32E-02	0.00E+00	0.00E+00	5.20E-02	0.00E+00	0.00E+00
32	481305.7	3768445	6.45E-01	0.00E+00	0.00E+00	6.38E-01	0.00E+00	0.00E+00	1.17E-01	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00
33	481305.7	3768325	7.29E-02	0.00E+00	0.00E+00	7.22E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00
34	481315.5	3768315	5.86E-02	0.00E+00	0.00E+00	5.80E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00
35	481329.4	3768309	5.26E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00
36	481296.8	3768355	1.44E-01	0.00E+00	0.00E+00	1.42E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
37	481296.7	3768365	1.75E-01	0.00E+00	0.00E+00	1.74E-01	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
38	481296.6	3768375	2.09E-01	0.00E+00	0.00E+00	2.07E-01	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
39	481296.5	3768385	2.44E-01	0.00E+00	0.00E+00	2.41E-01	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00
40	481296.4	3768395	2.79E-01	0.00E+00	0.00E+00	2.76E-01	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00
41	481296.3	3768405	3.15E-01	0.00E+00	0.00E+00	3.11E-01	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00
42	481296.2	3768415	3.53E-01	0.00E+00	0.00E+00	3.49E-01	0.00E+00	0.00E+00	6.41E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00
43	481296.1	3768425	3.99E-01	0.00E+00	0.00E+00	3.95E-01	0.00E+00	0.00E+00	7.24E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00
44	481296	3768435	4.66E-01	0.00E+00	0.00E+00	4.62E-01	0.00E+00	0.00E+00	8.47E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00
45	481295.9	3768445	6.01E-01	0.00E+00	0.00E+00	5.95E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00
46	481298	3768319	6.25E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
47	481310.4	3768307	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
48	481319.1	3768304	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
49	481327.7	3768300	4.29E-02	0.00E+00	0.00E+00	4.24E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
50	481287	3768345	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
51	481286.9	3768355	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
52	481286.8	3768365	1.57E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00
53	481286.7	3768375	1.86E-01	0.00E+00	0.00E+00	1.84E-01	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00
54	481286.6	3768385	2.16E-01	0.00E+00	0.00E+00	2.14E-01	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00
55	481286.5	3768395	2.47E-01	0.00E+00	0.00E+00	2.44E-01	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00
56	481286.4	3768405	2.79E-01	0.00E+00	0.00E+00	2.76E-01	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00
57	481286.3	3768415	3.15E-01	0.00E+00	0.00E+00	3.12E-01	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00
58	481286.2	3768425	3.60E-01	0.00E+00	0.00E+00	3.56E-01	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00
59	481286.1	3768435	4.29E-01	0.00E+00	0.00E+00	4.24E-01	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00
60	481286	3768445	5.65E-01	0.00E+00	0.00E+00	5.59E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00
61	481291.3	3768312	5.21E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
62	481303.1	3768300	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
63	481319.8	3768294	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
64	481277.1	3768355	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
65	481277	3768365	1.43E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00
66	481276.9	3768375	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
67	481276.8	3768385	1.94E-01	0.00E+00	0.00E+00	1.92E-01	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00
68	481276.7	3768395	2.21E-01	0.00E+00	0.00E+00	2.19E-01	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00
69	481276.6	3768405	2.50E-01	0.00E+00	0.00E+00	2.48E-01	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00
70	481276.5	3768415	2.84E-01	0.00E+00	0.00E+00	2.81E-01	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00
71	481276.4	3768425	3.28E-01	0.00E+00	0.00E+00	3.25E-01	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00
72	481276.3	3768435	3.96E-01	0.00E+00	0.00E+00	3.92E-01	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00
73	481276.2	3768445	5.33E-01	0.00E+00	0.00E+00	5.27E-01	0.00E+00	0.00E+00	9.68E-02	0.00E+00	0.00E+00	5.40E-02	0.00E+00	0.00E+00
74	481277.6	3768321	6.06E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
75	481284.5	3768305	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
76	481296	3768293	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
77	481312.2	3768287	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
78	481328.4	3768280	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
79	481267.3	3768355	1.11E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
80	481267.2	3768365	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
81	481267.1	3768375	1.52E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00
82	481267	3768385	1.75E-01	0.00E+00	0.00E+00	1.74E-01	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
83	481266.9	3768395	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
84	481266.8	3768405	2.27E-01	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00
85	481266.7	3768415	2.59E-01	0.00E+00	0.00E+00	2.56E-01	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00
86	481266.6	3768425	3.01E-01	0.00E+00	0.00E+00	2.98E-01	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00
87	481266.5	3768435	3.68E-01	0.00E+00	0.00E+00	3.64E-01	0.00E+00	0.00E+00	6.68E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00
88	481266.4	3768444	5.03E-01	0.00E+00	0.00E+00	4.97E-01	0.00E+00	0.00E+00	9.13E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00

89	481267.6	3768321	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
90	481274.3	3768306	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00
91	481288.9	3768287	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
92	481304.8	3768280	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
93	481320.7	3768274	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
94	481257.4	3768355	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
95	481257.3	3768365	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
96	481257.2	3768375	1.40E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
97	481257.1	3768385	1.60E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
98	481257	3768395	1.82E-01	0.00E+00	0.00E+00	1.81E-01	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00
99	481256.9	3768405	2.07E-01	0.00E+00	0.00E+00	2.05E-01	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00
100	481256.8	3768415	2.37E-01	0.00E+00	0.00E+00	2.34E-01	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00
101	481256.7	3768425	2.77E-01	0.00E+00	0.00E+00	2.74E-01	0.00E+00	0.00E+00	5.04E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00
102	481256.6	3768434	3.42E-01	0.00E+00	0.00E+00	3.38E-01	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00
103	481256.5	3768444	4.74E-01	0.00E+00	0.00E+00	4.69E-01	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00
104	481259	3768318	5.39E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
105	481262.8	3768309	4.61E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
106	481266.5	3768301	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
107	481270.3	3768292	3.37E-02	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
108	481283	3768279	2.75E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
109	481291.9	3768275	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
110	481300.9	3768272	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
111	481309.8	3768268	2.38E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
112	481318.7	3768265	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
113	481327.7	3768261	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
114	481247.6	3768355	9.66E-02	0.00E+00	0.00E+00	9.56E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00
115	481247.5	3768365	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
116	481247.4	3768375	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
117	481247.3	3768385	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
118	481247.2	3768395	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
119	481247.1	3768405	1.90E-01	0.00E+00	0.00E+00	1.88E-01	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
120	481247	3768414	2.18E-01	0.00E+00	0.00E+00	2.15E-01	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00
121	481246.9	3768424	2.55E-01	0.00E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00
122	481246.8	3768434	3.17E-01	0.00E+00	0.00E+00	3.14E-01	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00
123	481246.7	3768444	4.44E-01	0.00E+00	0.00E+00	4.39E-01	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00
124	481248.8	3768319	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
125	481252.5	3768310	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
126	481256.2	3768302	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
127	481259.8	3768293	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
128	481263.5	3768284	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
129	481275.8	3768272	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
130	481284.5	3768269	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
131	481293.2	3768265	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
132	481301.9	3768262	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
133	481310.6	3768258	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
134	481319.3	3768254	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
135	481327.9	3768251	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
136	481237.7	3768355	9.08E-02	0.00E+00	0.00E+00	8.98E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00
137	481237.6	3768365	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
138	481237.5	3768375	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
139	481237.4	3768385	1.37E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00
140	481237.3	3768394	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
141	481237.2	3768404	1.75E-01	0.00E+00	0.00E+00	1.74E-01	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
142	481237.1	3768414	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
143	481237	3768424	2.35E-01	0.00E+00	0.00E+00	2.32E-01	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00
144	481236.9	3768434	2.91E-01	0.00E+00	0.00E+00	2.88E-01	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00
145	481236.8	3768444	4.09E-01	0.00E+00	0.00E+00	4.05E-01	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00
146	481238.8	3768319	5.14E-02	0.00E+00	0.00E+00	5.09E-02	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00
147	481245.9	3768302	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
148	481249.5	3768294	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
149	481253.1	3768286	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
150	481268.7	3768265	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
151	481277.2	3768262	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
152	481285.7	3768258	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
153	481294.2	3768255	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
154	481302.7	3768251	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
155	481311.2	3768248	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
156	481319.7	3768244	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
157	481328.2	3768241	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
158	481227.9	3768355	8.55E-02	0.00E+00	0.00E+00	8.46E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00
159	481227.8	3768365	9.83E-02	0.00E+00	0.00E+00	9.72E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00
160	481227.7	3768375	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
161	481227.6	3768384	1.27E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
162	481227.5	3768394	1.44E-01	0.00E+00	0.00E+00	1.42E-01	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
163	481227.4	3768404	1.63E-01	0.00E+00	0.00E+00	1.61E-01	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00
164	481227.3	3768414	1.85E-01	0.00E+00	0.00E+00	1.83E-01	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00
165	481227.2	3768424	2.16E-01	0.00E+00	0.00E+00	2.14E-01	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00
166	481227.1	3768434	2.65E-01	0.00E+00	0.00E+00	2.62E-01	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00
167	481227	3768444	3.68E-01	0.00E+00	0.00E+00	3.64E-01	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00
168	481228.7	3768320	5.00E-02	0.00E+00	0.00E+00	4.94E-02	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00
169	481235.8	3768303	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00
170	481239.3	3768295	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
171	481246.3	3768278	2.63E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
172	481261.7	3768258	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
173	481278.4	3768252	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
174	481286.7	3768248	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
175	481303.4	3768241	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
177	481218.1	3768355	8.08E-02	0.00E+00	0.00E+00	8.00E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00
178	481218	3768364	9.25E-02	0.00E+00	0.00E+00	9.15E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00
179	481217.9	3768374	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
180	481217.8	3768384	1.19E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00

181	481217.7	3768394	1.34E-01	0.00E+00	0.00E+00	1.33E-01	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
182	481217.6	3768404	1.52E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00
183	481217.5	3768414	1.73E-01	0.00E+00	0.00E+00	1.71E-01	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00
184	481217.4	3768424	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
185	481217.3	3768434	2.43E-01	0.00E+00	0.00E+00	2.40E-01	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00
186	481217.2	3768444	3.23E-01	0.00E+00	0.00E+00	3.20E-01	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00
187	481219.8	3768318	4.69E-02	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00
188	481223.6	3768309	4.11E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
189	481227.4	3768300	3.59E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
190	481231.2	3768291	3.14E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
191	481235	3768282	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
192	481238.8	3768273	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
193	481242.6	3768264	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
194	481255.5	3768251	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
195	481264.5	3768247	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
196	481273.5	3768244	1.66E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
197	481282.6	3768240	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
203	481208.2	3768354	7.67E-02	0.00E+00	0.00E+00	7.59E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00
204	481208.1	3768364	8.74E-02	0.00E+00	0.00E+00	8.65E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00
205	481208	3768374	9.91E-02	0.00E+00	0.00E+00	9.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
206	481207.9	3768384	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
207	481207.8	3768394	1.26E-01	0.00E+00	0.00E+00	1.25E-01	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00
208	481207.7	3768404	1.42E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00
209	481207.6	3768414	1.62E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
210	481207.5	3768424	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
211	481207.4	3768434	2.26E-01	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	4.11E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00
212	481207.3	3768444	2.89E-01	0.00E+00	0.00E+00	2.86E-01	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00
213	481209.7	3768318	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
214	481213.4	3768309	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
215	481217.1	3768300	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
216	481220.9	3768292	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
217	481224.6	3768283	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
218	481228.3	3768274	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
219	481232.1	3768265	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
220	481235.8	3768256	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
221	481248.4	3768244	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
222	481257.2	3768240	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
231	481198.4	3768354	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00
232	481198.3	3768364	8.30E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00
233	481198.2	3768374	9.39E-02	0.00E+00	0.00E+00	9.29E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00
234	481198.1	3768384	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
235	481198	3768394	1.19E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00
236	481197.9	3768404	1.34E-01	0.00E+00	0.00E+00	1.33E-01	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
237	481197.8	3768414	1.53E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00
238	481197.7	3768424	1.77E-01	0.00E+00	0.00E+00	1.75E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
239	481197.6	3768434	2.11E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00
240	481197.5	3768444	2.56E-01	0.00E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00
241	481199.6	3768318	4.46E-02	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00
242	481203.3	3768310	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
243	481207	3768301	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
244	481210.6	3768293	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
245	481214.3	3768284	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
246	481218	3768275	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
247	481221.6	3768267	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
248	481225.3	3768258	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
249	481229	3768249	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
261	481188.6	3768354	6.98E-02	0.00E+00	0.00E+00	6.91E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00
262	481188.5	3768364	7.91E-02	0.00E+00	0.00E+00	7.83E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00
263	481188.4	3768374	8.92E-02	0.00E+00	0.00E+00	8.83E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00
264	481188.3	3768384	1.00E-01	0.00E+00	0.00E+00	9.94E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
265	481188.2	3768394	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
266	481188.1	3768404	1.27E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
267	481188	3768414	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
268	481187.9	3768424	1.67E-01	0.00E+00	0.00E+00	1.65E-01	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00
269	481187.8	3768434	1.96E-01	0.00E+00	0.00E+00	1.93E-01	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00
270	481187.7	3768444	2.30E-01	0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00
271	481189.6	3768319	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
272	481193.2	3768310	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
273	481196.8	3768302	3.47E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
274	481200.5	3768293	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
275	481204.1	3768285	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
276	481207.7	3768276	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
277	481211.3	3768268	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
278	481214.9	3768259	1.96E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
279	481218.5	3768251	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
280	481222.1	3768242	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
293	481178.7	3768354	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
294	481178.6	3768364	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00
295	481178.5	3768374	8.51E-02	0.00E+00	0.00E+00	8.42E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00
296	481178.4	3768384	9.56E-02	0.00E+00	0.00E+00	9.46E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00
297	481178.3	3768394	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
298	481178.2	3768404	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
299	481178.1	3768414	1.37E-01	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00
300	481178	3768424	1.57E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00
301	481177.9	3768434	1.81E-01	0.00E+00	0.00E+00	1.79E-01	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00
302	481177.8	3768444	2.09E-01	0.00E+00	0.00E+00	2.07E-01	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
303	481180.5	3768317	4.14E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
304	481184.3	3768308	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
305	481188.1	3768299	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
306	481192	3768290	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
307	481195.8	3768281	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00

308	481199.6	3768272	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
309	481203.5	3768263	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
310	481207.3	3768254	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
311	481211.1	3768245	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
325	481168.9	3768354	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
326	481168.8	3768364	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
327	481168.7	3768374	8.12E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00
328	481168.6	3768384	9.11E-02	0.00E+00	0.00E+00	9.02E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00
329	481168.5	3768394	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
330	481168.4	3768404	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
331	481168.3	3768414	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
332	481168.2	3768424	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
333	481168.1	3768434	1.68E-01	0.00E+00	0.00E+00	1.67E-01	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00
334	481168	3768443	1.91E-01	0.00E+00	0.00E+00	1.89E-01	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
335	481170.4	3768317	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
336	481174.2	3768308	3.62E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
337	481178	3768300	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
338	481181.7	3768291	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
339	481185.5	3768282	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
340	481189.3	3768273	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
341	481193.1	3768264	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
342	481196.8	3768255	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
343	481200.6	3768246	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
359	481159	3768354	6.16E-02	0.00E+00	0.00E+00	6.09E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00
360	481158.9	3768364	6.92E-02	0.00E+00	0.00E+00	6.85E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00
361	481158.8	3768374	7.77E-02	0.00E+00	0.00E+00	7.68E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00
362	481158.7	3768384	8.70E-02	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00
363	481158.6	3768394	9.76E-02	0.00E+00	0.00E+00	9.66E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00
364	481158.5	3768404	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
365	481158.4	3768414	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
366	481158.3	3768424	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
367	481158.2	3768433	1.57E-01	0.00E+00	0.00E+00	1.55E-01	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
368	481158.1	3768443	1.75E-01	0.00E+00	0.00E+00	1.73E-01	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
369	481160.4	3768318	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
370	481164.1	3768309	3.55E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
371	481167.9	3768300	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
372	481171.6	3768291	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
373	481175.3	3768283	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
374	481179	3768274	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
375	481182.7	3768265	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
376	481186.4	3768256	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
377	481190.1	3768248	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
395	481149.2	3768354	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
396	481149.1	3768364	6.64E-02	0.00E+00	0.00E+00	6.58E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
397	481149	3768374	7.44E-02	0.00E+00	0.00E+00	7.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
398	481148.9	3768384	8.33E-02	0.00E+00	0.00E+00	8.24E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00
399	481148.8	3768394	9.32E-02	0.00E+00	0.00E+00	9.22E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00
400	481148.7	3768404	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
401	481148.6	3768413	1.17E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
402	481148.5	3768423	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
403	481148.4	3768433	1.46E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
404	481148.3	3768443	1.62E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
405	481150.5	3768318	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00
406	481154.1	3768309	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
407	481157.8	3768301	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
408	481161.4	3768292	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
409	481165.1	3768283	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
410	481168.8	3768275	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
411	481172.4	3768266	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
412	481176.1	3768257	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
413	481179.8	3768249	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
414	481183.4	3768240	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
433	481145	3768307	3.33E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
434	481148.9	3768298	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
435	481152.7	3768289	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
436	481156.5	3768280	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
437	481160.4	3768271	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
438	481164.2	3768262	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
439	481168.1	3768253	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
440	481171.9	3768244	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
459	481146.3	3768281	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
460	481150.1	3768272	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
461	481153.9	3768263	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
462	481157.7	3768254	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
463	481161.5	3768245	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
485	481119.7	3768354	5.33E-02	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00
486	481119.6	3768363	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
487	481119.5	3768373	6.62E-02	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00
488	481119.4	3768383	7.36E-02	0.00E+00	0.00E+00	7.28E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00
489	481119.3	3768393	8.17E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00
490	481119.2	3768403	9.05E-02	0.00E+00	0.00E+00	8.95E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00
491	481119.1	3768413	1.00E-01	0.00E+00	0.00E+00	9.89E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
492	481119	3768423	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
493	481118.9	3768433	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
494	481118.8	3768443	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
495	481117.4	3768326	3.87E-02	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00
496	481121.2	3768317	3.53E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
497	481124.9	3768308	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
498	481147.4	3768255	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
499	481151.1	3768246	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
523	481109.8	3768353	5.15E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00

524	481109.7	3768363	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
525	481109.6	3768373	6.37E-02	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00
526	481109.5	3768383	7.07E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
527	481109.4	3768393	7.83E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00
528	481109.3	3768403	8.65E-02	0.00E+00	0.00E+00	8.55E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00
529	481109.2	3768413	9.52E-02	0.00E+00	0.00E+00	9.42E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00
530	481109.1	3768423	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
531	481109	3768433	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
532	481108.9	3768443	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
533	481107.5	3768326	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
534	481111.2	3768317	3.45E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
535	481114.9	3768309	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
536	481118.6	3768300	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
537	481122.3	3768291	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
563	481100	3768353	4.98E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00
564	481099.9	3768363	5.53E-02	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00
565	481099.8	3768373	6.14E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
566	481099.7	3768383	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
567	481099.6	3768393	7.50E-02	0.00E+00	0.00E+00	7.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00
568	481099.5	3768403	8.27E-02	0.00E+00	0.00E+00	8.18E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00
569	481099.4	3768413	9.07E-02	0.00E+00	0.00E+00	8.98E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00
570	481099.3	3768423	9.91E-02	0.00E+00	0.00E+00	9.80E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
571	481099.2	3768433	1.08E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
572	481099.1	3768443	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
573	481098	3768325	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
574	481101.8	3768316	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
575	481105.7	3768307	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
576	481109.6	3768298	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
577	481113.4	3768289	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
578	481117.3	3768280	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
579	481121.1	3768271	2.06E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
580	481125	3768262	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
603	481090.2	3768353	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
604	481090.1	3768363	5.34E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
605	481090	3768373	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
606	481089.9	3768383	6.53E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
607	481089.8	3768393	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00
608	481089.7	3768403	7.91E-02	0.00E+00	0.00E+00	7.83E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
609	481089.6	3768413	8.65E-02	0.00E+00	0.00E+00	8.56E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00
610	481089.5	3768423	9.42E-02	0.00E+00	0.00E+00	9.32E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00
611	481089.4	3768433	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
612	481089.3	3768443	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
613	481088.1	3768325	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
614	481091.9	3768316	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
615	481095.7	3768307	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
616	481099.5	3768298	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
617	481103.3	3768289	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
618	481107.1	3768280	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
619	481110.9	3768271	2.05E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
620	481114.7	3768262	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
621	481118.5	3768253	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
622	481122.3	3768244	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
645	481080.3	3768353	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00
646	481080.2	3768363	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
647	481080.1	3768373	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
648	481080	3768383	6.29E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00
649	481079.9	3768393	6.91E-02	0.00E+00	0.00E+00	6.84E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00
650	481079.8	3768403	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
651	481079.7	3768413	8.26E-02	0.00E+00	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00
652	481079.6	3768423	8.97E-02	0.00E+00	0.00E+00	8.87E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00
653	481079.5	3768433	9.68E-02	0.00E+00	0.00E+00	9.57E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00
654	481079.4	3768443	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
655	481078.1	3768325	3.48E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
656	481081.9	3768316	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
657	481085.7	3768308	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
658	481089.4	3768299	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
659	481093.2	3768290	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
660	481097	3768281	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
661	481100.7	3768272	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
662	481104.5	3768263	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
663	481108.3	3768254	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
664	481112	3768245	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
665	481115.8	3768237	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
666	481119.6	3768228	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
667	481123.3	3768219	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
689	481070.5	3768353	4.53E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
690	481070.4	3768363	5.00E-02	0.00E+00	0.00E+00	4.95E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00
691	481070.3	3768373	5.51E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
692	481070.2	3768383	6.06E-02	0.00E+00	0.00E+00	6.00E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00
693	481070.1	3768393	6.64E-02	0.00E+00	0.00E+00	6.57E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
694	481070	3768403	7.25E-02	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00
695	481069.9	3768413	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
696	481069.8	3768423	8.54E-02	0.00E+00	0.00E+00	8.46E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00
697	481069.7	3768433	9.20E-02	0.00E+00	0.00E+00	9.10E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00
698	481069.6	3768443	9.85E-02	0.00E+00	0.00E+00	9.74E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00
699	481068.2	3768325	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
700	481071.9	3768317	3.13E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
701	481075.7	3768308	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
702	481079.4	3768299	2.63E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
703	481083.1	3768290	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
704	481086.9	3768281	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00

705	481090.6	3768273	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
706	481094.3	3768264	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
707	481098.1	3768255	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
708	481101.8	3768246	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
709	481105.5	3768238	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
710	481109.2	3768229	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
711	481113	3768220	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
712	481116.7	3768211	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
713	481120.4	3768202	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
714	481124.2	3768194	9.46E-03	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00
736	481060.7	3768353	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00
737	481060.6	3768363	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
738	481060.5	3768373	5.33E-02	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00
739	481060.4	3768383	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
740	481060.3	3768393	6.38E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
741	481060.2	3768403	6.95E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
742	481060.1	3768413	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
743	481060	3768423	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
744	481059.9	3768432	8.76E-02	0.00E+00	0.00E+00	8.67E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00
745	481059.8	3768442	9.36E-02	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00
746	481058.6	3768325	3.29E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
747	481062.5	3768316	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
748	481066.4	3768307	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
749	481070.2	3768297	2.54E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
750	481074.1	3768288	2.33E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
751	481078	3768279	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
752	481081.8	3768270	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
753	481085.7	3768261	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
754	481089.6	3768252	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
755	481093.4	3768243	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
756	481097.3	3768234	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
757	481101.1	3768225	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
758	481105	3768215	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
759	481108.9	3768206	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
760	481112.7	3768197	9.72E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00
761	481116.6	3768188	9.02E-03	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
785	481050.8	3768353	4.27E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00
786	481050.7	3768363	4.69E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
787	481050.6	3768373	5.15E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
788	481050.5	3768383	5.64E-02	0.00E+00	0.00E+00	5.58E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00
789	481050.4	3768393	6.15E-02	0.00E+00	0.00E+00	6.08E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00
790	481050.3	3768403	6.68E-02	0.00E+00	0.00E+00	6.61E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
791	481050.2	3768412	7.23E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
792	481050.1	3768422	7.79E-02	0.00E+00	0.00E+00	7.71E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
793	481050	3768432	8.36E-02	0.00E+00	0.00E+00	8.27E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
794	481049.9	3768442	8.91E-02	0.00E+00	0.00E+00	8.82E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00
795	481048.7	3768325	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
796	481052.5	3768316	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
797	481056.4	3768307	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
798	481060.2	3768298	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
799	481064	3768289	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
800	481067.8	3768280	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
801	481071.7	3768271	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
802	481075.5	3768262	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
803	481079.3	3768253	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
804	481083.1	3768244	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
805	481087	3768235	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
806	481090.8	3768226	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
807	481094.6	3768217	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
808	481098.4	3768208	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
809	481102.2	3768199	9.80E-03	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00
810	481106.1	3768190	9.10E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
811	481109.9	3768181	8.48E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00
837	481041	3768353	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
838	481040.9	3768363	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
839	481040.8	3768373	4.98E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00
840	481040.7	3768383	5.44E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.88E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
841	481040.6	3768393	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
842	481040.5	3768402	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
843	481040.4	3768412	6.93E-02	0.00E+00	0.00E+00	6.86E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
844	481040.3	3768422	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
845	481040.2	3768432	7.98E-02	0.00E+00	0.00E+00	7.90E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00
846	481040.1	3768442	8.50E-02	0.00E+00	0.00E+00	8.41E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00
847	481038.8	3768325	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
848	481042.6	3768316	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
849	481046.4	3768307	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
850	481050.2	3768298	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
851	481054	3768289	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
852	481057.7	3768280	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
853	481061.5	3768271	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
854	481065.3	3768262	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
855	481069.1	3768254	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
856	481072.9	3768245	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
857	481076.7	3768236	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
858	481080.5	3768227	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
859	481084.2	3768218	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
860	481088	3768209	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
861	481091.8	3768200	9.87E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
862	481095.6	3768191	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
863	481099.4	3768182	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
890	481031.1	3768353	4.03E-02	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00

891	481031	3768363	4.41E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
892	481030.9	3768373	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
893	481030.8	3768382	5.25E-02	0.00E+00	0.00E+00	5.20E-02	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00
894	481030.7	3768392	5.70E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
895	481030.6	3768402	6.17E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
896	481030.5	3768412	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00
897	481030.4	3768422	7.15E-02	0.00E+00	0.00E+00	7.07E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00
898	481030.3	3768432	7.64E-02	0.00E+00	0.00E+00	7.56E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00
899	481030.2	3768442	8.11E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00
900	481008.9	3768324	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
901	481012.8	3768315	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
902	481016.6	3768306	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
903	481020.4	3768297	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
904	481024.3	3768288	2.14E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
905	481028.1	3768279	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
906	481031.9	3768270	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
907	481035.8	3768261	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
908	481039.6	3768252	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
909	481043.5	3768243	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
910	481047.3	3768234	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
911	481051.1	3768225	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
912	481055	3768216	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
913	481058.8	3768207	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
914	481062.7	3768198	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
915	481066.5	3768189	8.90E-03	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00
916	481070.3	3768180	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
947	481001.1	3768352	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
948	481001	3768362	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
949	481000.9	3768372	4.37E-02	0.00E+00	0.00E+00	4.32E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00
950	481000.8	3768382	4.73E-02	0.00E+00	0.00E+00	4.68E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
951	481000.7	3768392	5.11E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
952	481000.6	3768402	5.51E-02	0.00E+00	0.00E+00	5.45E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
953	481000.5	3768412	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00
954	481000.4	3768422	6.31E-02	0.00E+00	0.00E+00	6.25E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
955	481000.3	3768432	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00
956	480978.7	3768324	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
957	480982.5	3768316	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
958	480986.2	3768307	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
959	480990	3768298	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
960	480993.7	3768289	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
961	480997.5	3768280	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
962	481001.2	3768271	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
963	481005	3768263	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
964	481008.7	3768254	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
965	481012.5	3768245	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
966	481016.2	3768236	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
967	481020	3768227	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
968	481023.7	3768218	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
969	481027.5	3768210	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
970	481031.2	3768201	9.65E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
971	481035	3768192	9.00E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
972	481038.7	3768183	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
1009	480971.1	3768352	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
1010	480971	3768362	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
1011	480970.9	3768372	3.98E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
1012	480970.8	3768382	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
1013	480970.7	3768392	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
1014	480970.6	3768402	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
1015	480970.5	3768412	5.28E-02	0.00E+00	0.00E+00	5.23E-02	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00
1016	480970.4	3768422	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
1017	480948.8	3768324	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
1018	480952.6	3768315	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
1019	480956.4	3768306	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1020	480960.2	3768297	2.08E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
1021	480964	3768288	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
1022	480967.8	3768279	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
1023	480971.6	3768270	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1024	480975.4	3768261	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
1025	480979.2	3768252	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
1026	480983	3768243	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
1027	480986.8	3768234	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
1028	480990.6	3768226	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1029	480994.4	3768217	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1030	480998.2	3768208	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1031	481002	3768199	9.34E-03	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00
1032	481005.8	3768190	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00
1033	481009.6	3768181	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00
1074	480941.1	3768352	3.14E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
1075	480941	3768362	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
1076	480940.9	3768372	3.64E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
1077	480940.8	3768382	3.91E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00
1078	480940.7	3768392	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
1079	480940.6	3768401	4.47E-02	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00
1080	480940.5	3768411	4.76E-02	0.00E+00	0.00E+00	4.71E-02	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00
1081	480918.9	3768323	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
1082	480922.8	3768314	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
1083	480926.6	3768305	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
1084	480930.4	3768296	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
1085	480934.3	3768287	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
1086	480938.1	3768278	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
1087	480941.9	3768269	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00

1088	480945.8	3768260	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
1089	480949.6	3768251	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
1090	480953.4	3768242	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1091	480957.3	3768233	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1092	480961.1	3768224	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1093	480965	3768215	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1094	480968.8	3768206	9.67E-03	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00
1095	480972.6	3768197	9.03E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00
1096	480976.5	3768188	8.45E-03	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
1097	480980.3	3768179	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
1124	480911.1	3768351	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
1125	480911	3768361	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
1126	480910.9	3768371	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
1127	480910.8	3768381	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
1128	480910.7	3768391	3.81E-02	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00
1129	480910.6	3768401	4.06E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00
1130	480910.2	3768441	5.05E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
1131	480889	3768323	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1132	480892.9	3768314	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
1133	480896.7	3768305	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
1134	480900.6	3768296	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
1135	480904.5	3768286	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
1136	480908.4	3768277	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
1137	480912.2	3768268	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
1138	480916.1	3768259	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1139	480920	3768250	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
1140	480923.8	3768241	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1141	480927.7	3768232	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
1142	480931.6	3768223	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1143	480935.5	3768213	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1144	480939.3	3768204	9.36E-03	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00
1145	480943.2	3768195	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
1146	480947.1	3768186	8.21E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
1180	480881.1	3768351	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
1181	480881	3768361	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
1182	480880.9	3768371	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
1183	480880.8	3768381	3.28E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
1184	480880.7	3768391	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
1185	480880.2	3768441	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
1186	480858.9	3768323	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
1187	480862.7	3768314	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
1188	480866.5	3768305	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
1189	480870.3	3768296	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
1190	480874.1	3768287	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
1191	480877.9	3768278	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
1192	480881.7	3768269	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
1193	480885.5	3768260	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
1194	480889.3	3768251	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1195	480893.1	3768242	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1196	480896.9	3768233	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
1197	480900.7	3768224	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1198	480904.5	3768215	9.91E-03	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
1199	480908.3	3768207	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
1200	480912.1	3768198	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
1201	480915.9	3768189	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
1202	480919.7	3768180	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00
1203	480923.5	3768171	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
1204	480927.3	3768162	6.85E-03	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00
1205	480931.1	3768153	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1252	480851.1	3768351	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
1253	480851	3768361	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
1254	480850.9	3768371	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
1255	480850.8	3768381	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
1256	480850.7	3768391	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
1257	480850.3	3768430	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
1258	480850.2	3768440	4.14E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00
1259	480828.9	3768323	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
1260	480832.8	3768313	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
1261	480836.6	3768304	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
1262	480840.4	3768295	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1263	480844.3	3768286	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
1264	480848.1	3768277	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
1265	480851.9	3768268	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
1266	480855.8	3768259	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
1267	480859.6	3768250	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1268	480863.4	3768241	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1269	480867.3	3768232	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
1270	480871.1	3768223	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
1271	480874.9	3768214	9.56E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
1272	480878.8	3768205	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00
1273	480882.6	3768196	8.44E-03	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
1274	480886.5	3768187	7.95E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
1275	480890.3	3768178	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00
1276	480894.1	3768169	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
1277	480898	3768160	6.67E-03	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
1278	480901.8	3768151	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
1279	480905.6	3768142	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
1280	480909.5	3768133	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
1281	480913.3	3768124	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
1282	480917.1	3768115	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
1283	480921	3768106	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00

1325	480821.2	3768351	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
1326	480821.1	3768360	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
1327	480821	3768370	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
1328	480820.9	3768380	2.79E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
1329	480820.5	3768420	3.45E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
1330	480820.4	3768430	3.62E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00
1331	480820.3	3768440	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
1332	480795.1	3768331	1.96E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
1333	480799	3768322	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
1334	480802.8	3768313	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
1335	480806.7	3768304	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1336	480810.6	3768295	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
1337	480814.4	3768286	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
1338	480818.3	3768277	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1339	480822.2	3768267	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
1340	480826	3768258	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1341	480829.9	3768249	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
1342	480833.8	3768240	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
1343	480837.6	3768231	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
1344	480841.5	3768222	9.81E-03	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00
1345	480845.4	3768213	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
1346	480849.2	3768204	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
1347	480853.1	3768195	8.18E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
1348	480857	3768185	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
1349	480860.8	3768176	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
1350	480864.7	3768167	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
1351	480868.6	3768158	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
1352	480872.4	3768149	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
1353	480876.3	3768140	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
1354	480880.2	3768131	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
1355	480884	3768122	5.25E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
1356	480887.9	3768113	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
1404	480791.2	3768350	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
1405	480791.1	3768360	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
1406	480791	3768370	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
1407	480790.9	3768380	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
1408	480790.5	3768420	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
1409	480790.4	3768430	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00
1410	480790.3	3768440	3.46E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
1411	480765.1	3768331	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
1412	480768.9	3768322	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
1413	480772.7	3768313	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
1414	480776.5	3768304	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
1415	480780.3	3768295	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
1416	480784.1	3768286	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
1417	480787.9	3768277	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
1418	480791.7	3768268	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1419	480795.5	3768259	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
1420	480799.3	3768250	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
1421	480803.1	3768241	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1422	480806.9	3768232	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
1423	480810.7	3768223	9.62E-03	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00
1424	480814.5	3768214	9.08E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
1425	480818.3	3768205	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
1426	480822.2	3768196	8.09E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
1427	480826	3768188	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
1428	480829.8	3768179	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
1429	480833.6	3768170	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00
1430	480837.4	3768161	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1431	480841.2	3768152	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
1432	480845	3768143	5.83E-03	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00
1433	480848.8	3768134	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
1434	480852.6	3768125	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
1492	480761.2	3768350	2.05E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
1493	480761.1	3768360	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
1494	480761	3768370	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
1495	480760.9	3768380	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
1496	480760.5	3768420	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
1497	480760.4	3768429	3.06E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
1498	480760.3	3768439	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
1499	480750.4	3768295	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
1500	480754.3	3768285	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
1501	480758.1	3768276	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
1502	480761.9	3768267	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
1503	480765.8	3768258	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1504	480769.6	3768249	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
1505	480773.4	3768240	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1506	480777.3	3768231	9.80E-03	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00
1507	480781.1	3768222	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
1508	480784.9	3768213	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00
1509	480788.8	3768204	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
1510	480792.6	3768195	7.84E-03	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
1511	480796.4	3768186	7.41E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
1512	480800.3	3768177	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
1513	480804.1	3768168	6.65E-03	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00
1514	480807.9	3768159	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
1515	480811.8	3768150	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
1516	480815.6	3768141	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
1517	480819.4	3768132	5.40E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00
1579	481335.2	3768435	8.20E-01	0.00E+00	0.00E+00	8.12E-01	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	8.32E-02	0.00E+00	0.00E+00
1580	481335.2	3768425	7.67E-01	0.00E+00	0.00E+00	7.59E-01	0.00E+00	0.00E+00	1.39E-01	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00

1581	481335.3	3768416	7.25E-01	0.00E+00	0.00E+00	7.17E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00
1582	481335.3	3768406	6.80E-01	0.00E+00	0.00E+00	6.73E-01	0.00E+00	0.00E+00	1.24E-01	0.00E+00	0.00E+00	6.90E-02	0.00E+00	0.00E+00
1583	481335.3	3768396	6.14E-01	0.00E+00	0.00E+00	6.08E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00
1584	481335.3	3768386	5.10E-01	0.00E+00	0.00E+00	5.04E-01	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00
1585	481335.3	3768376	4.29E-01	0.00E+00	0.00E+00	4.24E-01	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00
1586	481335.3	3768366	3.55E-01	0.00E+00	0.00E+00	3.51E-01	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00
1587	481335.3	3768357	2.65E-01	0.00E+00	0.00E+00	2.63E-01	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00
1588	481335.4	3768317	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00
1589	481335.4	3768288	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
1590	481335.4	3768268	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
1591	481258.6	3768268	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1592	481239.4	3768248	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
1651	481123.5	3768453	1.46E-01	0.00E+00	0.00E+00	1.44E-01	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
1652	481123.3	3768469	1.61E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
1653	481113.6	3768453	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
1654	481103.8	3768452	1.28E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00
1655	481094	3768452	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
1656	481084.1	3768452	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
1657	481074.3	3768452	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
1658	481064.4	3768452	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
1659	481018.3	3768436	7.44E-02	0.00E+00	0.00E+00	7.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
1660	481008.4	3768436	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
1661	481014.3	3768423	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
1662	481020.2	3768409	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
1663	481005.2	3768467	8.21E-02	0.00E+00	0.00E+00	8.12E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00
1664	481010.3	3768409	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
1665	481016.2	3768395	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
1666	480995.4	3768467	7.86E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
1667	481009.3	3768388	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00
1668	481015.1	3768374	4.64E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
1669	481021	3768360	4.20E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
1670	480985.5	3768467	7.53E-02	0.00E+00	0.00E+00	7.45E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00
1671	480984.8	3768422	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00
1672	480990.6	3768408	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
1673	481011.1	3768360	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
1674	480975.7	3768467	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
1675	480981.7	3768406	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1676	480987.9	3768392	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
1677	481026.2	3768316	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
1678	480965.9	3768467	6.94E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00
1679	480981.1	3768385	4.52E-02	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
1680	480987.2	3768370	4.11E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
1681	481026.6	3768306	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
1682	480956	3768466	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
1683	480955.7	3768421	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1684	480961.9	3768406	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
1685	480980.4	3768363	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
1686	480998.9	3768319	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
1687	481034.2	3768293	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1688	480946.4	3768450	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
1689	480946.2	3768466	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
1690	480952	3768406	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
1691	480958.2	3768392	4.43E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
1692	481005.4	3768295	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
1693	481041.7	3768280	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
1694	480936.5	3768450	5.78E-02	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00
1695	480936.3	3768466	6.18E-02	0.00E+00	0.00E+00	6.12E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00
1696	480951.4	3768385	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
1697	480957.5	3768370	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
1698	481005.7	3768285	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
1699	481042	3768270	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
1700	480926.7	3768450	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
1701	480926.5	3768466	5.96E-02	0.00E+00	0.00E+00	5.90E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00
1702	480932.3	3768406	4.48E-02	0.00E+00	0.00E+00	4.44E-02	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00
1703	480950.7	3768363	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
1704	480969	3768320	2.57E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
1705	480975.1	3768305	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
1706	480981.3	3768291	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
1707	481013.3	3768272	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
1708	481049.4	3768257	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
1709	480916.9	3768450	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
1710	480916.7	3768466	5.75E-02	0.00E+00	0.00E+00	5.69E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
1711	480925.5	3768399	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
1712	480931.6	3768385	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
1713	480984.6	3768274	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
1714	481020.7	3768259	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
1715	481056.8	3768244	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
1716	480907	3768450	5.20E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
1717	480906.8	3768466	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
1718	480921.7	3768385	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
1719	480927.8	3768370	3.47E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
1720	480984.9	3768264	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
1721	481021	3768249	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
1722	481057	3768234	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
1723	480897.2	3768450	5.03E-02	0.00E+00	0.00E+00	4.98E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
1724	480897	3768466	5.36E-02	0.00E+00	0.00E+00	5.31E-02	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00
1725	480890.5	3768435	4.58E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00
1726	480921	3768363	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
1727	480939.2	3768320	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
1728	480945.3	3768306	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
1729	480951.4	3768291	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00

1730	480957.5	3768277	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
1731	480992.4	3768251	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
1732	481028.4	3768236	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
1733	481064.4	3768222	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
1734	480887.4	3768450	4.86E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00
1735	480887.2	3768466	5.19E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
1736	480895.9	3768399	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
1737	480902	3768384	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
1738	480932.4	3768313	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
1739	480947.6	3768277	1.71E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
1740	480963.9	3768253	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
1741	480999.8	3768238	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
1742	481035.7	3768223	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
1743	481071.7	3768209	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1744	480877.5	3768450	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
1745	480877.3	3768465	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00
1746	480870.8	3768434	4.30E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
1747	480892.1	3768384	3.46E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
1748	480898.2	3768370	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
1749	480964.1	3768243	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
1750	481000	3768228	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1751	481035.9	3768214	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1752	481071.8	3768199	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
1753	481086.1	3768193	9.28E-03	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00
1754	480867.7	3768449	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
1755	480867.5	3768465	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
1756	480861	3768434	4.17E-02	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
1757	480891.3	3768363	3.00E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
1758	480909.5	3768320	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1759	480915.6	3768306	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
1760	480921.6	3768292	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
1761	480927.7	3768277	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1762	480933.8	3768263	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
1763	480939.8	3768249	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
1764	480971.5	3768230	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
1765	481007.4	3768215	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1766	481043.2	3768201	9.71E-03	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
1767	481079	3768186	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
1768	480857.8	3768449	4.41E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
1769	480857.6	3768465	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
1770	480872.3	3768384	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
1771	480899.6	3768320	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
1772	480905.7	3768306	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
1773	480914.8	3768285	1.73E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
1774	480926.9	3768256	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
1775	480932.9	3768242	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1776	480943.1	3768232	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1777	480978.9	3768217	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
1778	481014.7	3768203	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
1779	481050.5	3768188	8.79E-03	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00
1781	480848	3768449	4.28E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00
1782	480847.8	3768465	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
1783	480841.3	3768434	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
1784	480862.5	3768384	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
1785	480868.5	3768370	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
1786	480943.4	3768222	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1787	480979.1	3768207	9.86E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1788	481014.9	3768193	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
1791	480838.2	3768449	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
1792	480838	3768465	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
1793	480811.3	3768434	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
1794	480832.4	3768384	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
1795	480838.5	3768370	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
1796	480922.3	3768201	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
1797	480958	3768186	8.25E-03	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
1803	480808.2	3768449	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
1804	480808	3768465	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
1805	480781.4	3768433	3.29E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
1806	480806.2	3768375	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
1807	480901.6	3768179	7.60E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
1815	480778.2	3768448	3.47E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
1816	480778	3768464	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
1817	480776.1	3768375	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
1818	480880.5	3768158	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
1819	480917	3768143	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
1828	480859.4	3768136	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
1829	480895.8	3768122	5.27E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
1830	480932.3	3768107	4.92E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00
1839	480691.4	3768432	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
1840	480697.5	3768418	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
1850	480688.2	3768447	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
1851	480688	3768463	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
1852	480661.4	3768432	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
1853	480667.5	3768417	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
1854	480704.4	3768331	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
1855	480710.5	3768316	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
1856	480716.6	3768302	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
1857	480753.5	3768215	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
1858	480759.6	3768201	7.90E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00
1859	480765.8	3768186	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
1860	480771.9	3768172	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00

1861	480778.1	3768157	6.13E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
1862	480784.2	3768143	5.65E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
1879	480658.2	3768447	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
1880	480658	3768463	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
1881	480631.4	3768431	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
1882	480637.5	3768417	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
1883	480674.3	3768330	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
1884	480680.4	3768316	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
1885	480686.5	3768302	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
1886	480692.7	3768287	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1887	480698.8	3768273	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1888	480704.9	3768258	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1889	480711.1	3768244	9.89E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1890	480717.2	3768230	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
1891	480723.3	3768215	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1892	480754	3768143	5.56E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00
1911	480628.2	3768446	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
1912	480628	3768462	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
1913	480601.3	3768431	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
1914	480607.5	3768417	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
1915	480644.2	3768330	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
1916	480650.3	3768316	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
1917	480656.4	3768301	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
1918	480662.6	3768287	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1919	480668.7	3768273	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1920	480674.8	3768258	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1921	480680.9	3768244	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
1922	480687.1	3768230	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
1923	480693.2	3768215	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
1924	480699.3	3768201	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
1925	480705.4	3768186	6.93E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
1926	480711.5	3768172	6.39E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
1927	480717.7	3768158	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
1948	480598.2	3768446	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
1949	480598	3768462	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
1950	480571.3	3768431	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
1951	480577.5	3768416	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
1952	480614.1	3768330	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1953	480620.2	3768316	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
1954	480626.4	3768301	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1955	480632.5	3768287	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1956	480638.6	3768273	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1957	480644.7	3768258	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
1958	480650.8	3768244	9.22E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00
1959	480656.9	3768229	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
1960	480663	3768215	7.91E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00
1961	480669.1	3768201	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00
1962	480675.3	3768186	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
1963	480681.4	3768172	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
1964	480687.5	3768158	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
1991	480568.2	3768446	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
1992	480568	3768462	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1993	480541.4	3768430	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
1994	480547.6	3768415	1.82E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
1995	480553.8	3768401	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
1996	480584.9	3768328	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
1997	480591.1	3768313	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
1998	480597.3	3768299	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1999	480603.5	3768284	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2000	480609.7	3768270	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2001	480615.9	3768255	9.43E-03	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00
2002	480622.1	3768240	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
2003	480628.3	3768226	8.12E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
2004	480634.5	3768211	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00
2005	480640.8	3768197	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00
2006	480647	3768182	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
2007	480653.2	3768167	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
2008	480659.4	3768153	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
2016	480709.1	3768036	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
2017	480715.3	3768022	3.06E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
2042	480538.2	3768445	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2043	480538	3768461	2.10E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
2044	481143.4	3768508	2.06E-01	0.00E+00	0.00E+00	2.04E-01	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00
2045	481152.5	3768510	2.21E-01	0.00E+00	0.00E+00	2.19E-01	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00
2046	481161.6	3768513	2.37E-01	0.00E+00	0.00E+00	2.35E-01	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00
2047	481170.7	3768516	2.54E-01	0.00E+00	0.00E+00	2.51E-01	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00
2048	481179.8	3768519	2.70E-01	0.00E+00	0.00E+00	2.67E-01	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00
2049	481188.9	3768522	2.85E-01	0.00E+00	0.00E+00	2.82E-01	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00
2050	481198	3768524	2.96E-01	0.00E+00	0.00E+00	2.93E-01	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00
2051	481207.1	3768527	3.03E-01	0.00E+00	0.00E+00	3.00E-01	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00
2052	481149.6	3768520	2.11E-01	0.00E+00	0.00E+00	2.09E-01	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00
2053	481158.7	3768523	2.23E-01	0.00E+00	0.00E+00	2.21E-01	0.00E+00	0.00E+00	4.05E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00
2054	481167.8	3768525	2.35E-01	0.00E+00	0.00E+00	2.33E-01	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00
2055	481176.9	3768528	2.46E-01	0.00E+00	0.00E+00	2.44E-01	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00
2056	481186	3768531	2.56E-01	0.00E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00
2057	481195.1	3768534	2.62E-01	0.00E+00	0.00E+00	2.59E-01	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00
2058	481204.2	3768537	2.65E-01	0.00E+00	0.00E+00	2.62E-01	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00
2059	481122.2	3768519	1.75E-01	0.00E+00	0.00E+00	1.73E-01	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00
2060	481109.5	3768510	1.61E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
2061	481100.8	3768498	1.51E-01	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00
2062	481146.7	3768529	1.99E-01	0.00E+00	0.00E+00	1.97E-01	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00

2063	481155.8	3768532	2.09E-01	0.00E+00	0.00E+00	2.06E-01	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
2064	481165	3768535	2.17E-01	0.00E+00	0.00E+00	2.15E-01	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00
2065	481174.1	3768538	2.25E-01	0.00E+00	0.00E+00	2.22E-01	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00
2066	481183.2	3768540	2.30E-01	0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00
2067	481192.3	3768543	2.34E-01	0.00E+00	0.00E+00	2.32E-01	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00
2068	481201.4	3768546	2.35E-01	0.00E+00	0.00E+00	2.33E-01	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00
2069	481118.1	3768528	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
2070	481110.4	3768522	1.61E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
2071	481102.8	3768517	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
2072	481092.4	3768503	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
2073	481089.5	3768494	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2074	481143.9	3768539	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
2075	481153	3768541	1.94E-01	0.00E+00	0.00E+00	1.92E-01	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00
2076	481162.1	3768544	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
2077	481171.2	3768547	2.05E-01	0.00E+00	0.00E+00	2.03E-01	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
2078	481180.3	3768550	2.09E-01	0.00E+00	0.00E+00	2.06E-01	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
2079	481189.4	3768553	2.10E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.82E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00
2080	481198.5	3768555	2.10E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00
2081	481115.7	3768538	1.61E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
2082	481101.5	3768527	1.52E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00
2083	481084.6	3768509	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2084	481079.3	3768492	1.31E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2085	481150.1	3768551	1.81E-01	0.00E+00	0.00E+00	1.79E-01	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00
2086	481159.2	3768554	1.85E-01	0.00E+00	0.00E+00	1.83E-01	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00
2087	481168.3	3768556	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
2088	481177.4	3768559	1.89E-01	0.00E+00	0.00E+00	1.87E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
2089	481186.5	3768562	1.90E-01	0.00E+00	0.00E+00	1.88E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
2090	481195.6	3768565	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00
2091	481113.2	3768547	1.54E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2092	481099.6	3768538	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
2093	481086.1	3768528	1.40E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
2094	481076.8	3768515	1.33E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00
2095	481071.7	3768499	1.27E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
2096	481147.3	3768560	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
2097	481156.4	3768563	1.70E-01	0.00E+00	0.00E+00	1.69E-01	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00
2098	481165.5	3768566	1.72E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
2099	481174.6	3768569	1.72E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00
2100	481183.7	3768571	1.71E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
2101	481192.8	3768574	1.70E-01	0.00E+00	0.00E+00	1.68E-01	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00
2102	481109.5	3768556	1.46E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
2103	481101.8	3768551	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
2104	481094.2	3768545	1.41E-01	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00
2105	481086.6	3768540	1.38E-01	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00
2106	481079	3768534	1.34E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
2107	481068.5	3768520	1.28E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
2108	481065.7	3768511	1.25E-01	0.00E+00	0.00E+00	1.24E-01	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00
2109	481062.8	3768502	1.22E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
2110	481060	3768493	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2111	481057.1	3768484	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2112	481117.1	3768561	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
2113	481144.4	3768570	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
2114	481153.5	3768572	1.57E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
2115	481162.6	3768575	1.58E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00
2116	481171.7	3768578	1.57E-01	0.00E+00	0.00E+00	1.55E-01	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
2117	481180.8	3768581	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
2118	481189.9	3768584	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2119	481107	3768566	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2120	481092.5	3768555	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
2121	481077.9	3768545	1.31E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2122	481060.7	3768526	1.23E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
2123	481055.3	3768509	1.18E-01	0.00E+00	0.00E+00	1.17E-01	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00
2124	481049.9	3768492	1.11E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2125	481123.3	3768574	1.41E-01	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00
2126	481141.5	3768579	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
2127	481150.6	3768582	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
2128	481159.7	3768585	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
2129	481168.9	3768587	1.43E-01	0.00E+00	0.00E+00	1.42E-01	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00
2130	481178	3768590	1.41E-01	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00
2131	481187.1	3768593	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2132	481104.4	3768575	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2133	481090.4	3768565	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
2134	481076.4	3768555	1.27E-01	0.00E+00	0.00E+00	1.25E-01	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
2135	481062.5	3768546	1.22E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
2136	481052.9	3768532	1.18E-01	0.00E+00	0.00E+00	1.17E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00
2137	481047.7	3768516	1.14E-01	0.00E+00	0.00E+00	1.13E-01	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00
2138	481042.5	3768500	1.09E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
2139	481037.2	3768483	1.02E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
2140	481120.5	3768583	1.32E-01	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00
2141	481147.8	3768591	1.34E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
2142	481156.9	3768594	1.33E-01	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00
2143	481166	3768597	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2144	481175.1	3768600	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
2145	481184.2	3768602	1.26E-01	0.00E+00	0.00E+00	1.25E-01	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00
2146	481100.9	3768584	1.24E-01	0.00E+00	0.00E+00	1.23E-01	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00
2147	481093.3	3768579	1.24E-01	0.00E+00	0.00E+00	1.23E-01	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00
2148	481085.6	3768573	1.24E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00
2149	481078	3768568	1.23E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2150	481070.4	3768563	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
2151	481062.8	3768557	1.19E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00
2152	481055.2	3768552	1.17E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
2153	481044.7	3768538	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00

2154	481041.9	3768529	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
2155	481039	3768520	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
2156	481036.2	3768511	1.08E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2157	481033.3	3768502	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2158	481030.5	3768493	1.01E-01	0.00E+00	0.00E+00	9.99E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2159	481027.6	3768484	9.70E-02	0.00E+00	0.00E+00	9.60E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00
2160	481108.5	3768590	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2161	481117.6	3768592	1.24E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2162	481144.9	3768601	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2163	481154	3768604	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
2164	481163.1	3768606	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
2165	481172.2	3768609	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2166	481181.3	3768612	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00
2167	481098.3	3768594	1.17E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
2168	481083.6	3768583	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2169	481076.3	3768578	1.17E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2170	481069	3768573	1.17E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
2171	481061.6	3768568	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2172	481054.3	3768563	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2173	481036.9	3768544	1.09E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
2174	481034.1	3768535	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
2175	481028.6	3768518	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2176	481025.9	3768509	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2177	481020.4	3768492	9.60E-02	0.00E+00	0.00E+00	9.50E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00
2178	481105.6	3768599	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2179	481114.7	3768602	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2180	481123.8	3768605	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2181	481142.1	3768610	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2182	481151.2	3768613	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
2183	481160.3	3768616	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
2184	481169.4	3768618	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2185	481178.5	3768621	1.05E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2186	481095.7	3768603	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
2187	481081.4	3768593	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2188	481067.2	3768583	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2189	481053	3768573	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
2190	481038.8	3768563	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2191	481029	3768550	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2192	481023.7	3768533	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
2193	481018.4	3768516	9.97E-02	0.00E+00	0.00E+00	9.86E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2194	481013.1	3768500	9.45E-02	0.00E+00	0.00E+00	9.35E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00
2195	481007.8	3768483	8.82E-02	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00
2196	481111.9	3768611	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2197	481121	3768614	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2198	481148.3	3768622	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2199	481157.4	3768625	1.01E-01	0.00E+00	0.00E+00	9.97E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2200	481166.5	3768628	9.82E-02	0.00E+00	0.00E+00	9.72E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00
2201	481175.6	3768631	9.53E-02	0.00E+00	0.00E+00	9.43E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00
2202	481092.3	3768612	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2203	481084.7	3768607	1.05E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2204	481077.1	3768602	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
2205	481069.4	3768596	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2206	481061.8	3768591	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2207	481054.2	3768585	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2208	481046.6	3768580	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
2209	481039	3768575	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2210	481031.3	3768569	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2211	481020.9	3768555	1.01E-01	0.00E+00	0.00E+00	9.98E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2212	481018	3768546	1.00E-01	0.00E+00	0.00E+00	9.94E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2213	481015.2	3768537	9.95E-02	0.00E+00	0.00E+00	9.84E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2214	481012.3	3768528	9.80E-02	0.00E+00	0.00E+00	9.70E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	9.94E-03	0.00E+00	0.00E+00
2215	481009.5	3768519	9.61E-02	0.00E+00	0.00E+00	9.51E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00
2216	481006.7	3768510	9.37E-02	0.00E+00	0.00E+00	9.28E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00
2217	481003.8	3768502	9.10E-02	0.00E+00	0.00E+00	9.00E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00
2218	481001	3768493	8.79E-02	0.00E+00	0.00E+00	8.70E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00
2219	480998.1	3768484	8.46E-02	0.00E+00	0.00E+00	8.37E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.58E-03	0.00E+00	0.00E+00
2220	481099.9	3768618	1.01E-01	0.00E+00	0.00E+00	9.98E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2221	481109	3768621	1.00E-01	0.00E+00	0.00E+00	9.93E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2222	481118.1	3768623	9.95E-02	0.00E+00	0.00E+00	9.84E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2223	481145.4	3768632	9.47E-02	0.00E+00	0.00E+00	9.37E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00
2224	481154.5	3768635	9.24E-02	0.00E+00	0.00E+00	9.15E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00
2225	481163.6	3768637	8.98E-02	0.00E+00	0.00E+00	8.89E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00
2226	481172.7	3768640	8.70E-02	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00
2227	481089.7	3768622	9.65E-02	0.00E+00	0.00E+00	9.55E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00
2228	481082.3	3768617	9.84E-02	0.00E+00	0.00E+00	9.73E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00
2229	481074.9	3768612	9.98E-02	0.00E+00	0.00E+00	9.87E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2230	481067.5	3768606	1.01E-01	0.00E+00	0.00E+00	9.97E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2231	481060.1	3768601	1.01E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
2232	481052.7	3768596	1.01E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
2233	481045.3	3768591	1.01E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
2234	481037.9	3768585	1.01E-01	0.00E+00	0.00E+00	9.95E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2235	481030.6	3768580	9.96E-02	0.00E+00	0.00E+00	9.85E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2236	481013	3768561	9.71E-02	0.00E+00	0.00E+00	9.61E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00
2237	481010.3	3768552	9.69E-02	0.00E+00	0.00E+00	9.59E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00
2238	481004.7	3768535	9.52E-02	0.00E+00	0.00E+00	9.42E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00
2239	480999.2	3768518	9.17E-02	0.00E+00	0.00E+00	9.07E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00
2240	480993.7	3768501	8.69E-02	0.00E+00	0.00E+00	8.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00
2241	480988.2	3768483	8.09E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
2242	481097	3768627	9.43E-02	0.00E+00	0.00E+00	9.33E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00
2243	481106.2	3768630	9.35E-02	0.00E+00	0.00E+00	9.25E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00
2244	481115.3	3768633	9.24E-02	0.00E+00	0.00E+00	9.15E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00

2245	481142.6	3768641	8.72E-02	0.00E+00	0.00E+00	8.63E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00
2246	481151.7	3768644	8.49E-02	0.00E+00	0.00E+00	8.40E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00
2247	481160.8	3768647	8.23E-02	0.00E+00	0.00E+00	8.14E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00
2248	481169.9	3768649	7.95E-02	0.00E+00	0.00E+00	7.87E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00
2249	481087	3768632	9.04E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00
2250	481072.6	3768621	9.40E-02	0.00E+00	0.00E+00	9.30E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00
2251	481058.2	3768611	9.62E-02	0.00E+00	0.00E+00	9.52E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00
2252	481043.8	3768601	9.69E-02	0.00E+00	0.00E+00	9.59E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00
2253	481029.4	3768591	9.62E-02	0.00E+00	0.00E+00	9.52E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00
2254	481015	3768581	9.44E-02	0.00E+00	0.00E+00	9.34E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00
2255	481005.2	3768567	9.36E-02	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00
2256	480999.8	3768550	9.32E-02	0.00E+00	0.00E+00	9.22E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00
2257	480994.4	3768533	9.11E-02	0.00E+00	0.00E+00	9.02E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00
2258	480989	3768517	8.77E-02	0.00E+00	0.00E+00	8.68E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00
2259	480983.7	3768500	8.31E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00
2260	480978.3	3768483	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2261	481103.3	3768639	8.71E-02	0.00E+00	0.00E+00	8.62E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00
2262	481112.4	3768642	8.59E-02	0.00E+00	0.00E+00	8.50E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00
2263	481121.5	3768645	8.43E-02	0.00E+00	0.00E+00	8.34E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00
2264	481148.8	3768653	7.80E-02	0.00E+00	0.00E+00	7.72E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
2265	481157.9	3768656	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
2266	481167	3768659	7.27E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00
2267	481083.7	3768641	8.48E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
2268	481076.1	3768635	8.70E-02	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00
2269	481068.5	3768630	8.88E-02	0.00E+00	0.00E+00	8.79E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00
2270	481060.8	3768625	9.04E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00
2271	481053.2	3768619	9.15E-02	0.00E+00	0.00E+00	9.05E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00
2272	481045.6	3768614	9.22E-02	0.00E+00	0.00E+00	9.12E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00
2273	481038	3768608	9.26E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
2274	481030.4	3768603	9.26E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
2275	481022.8	3768597	9.23E-02	0.00E+00	0.00E+00	9.13E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00
2276	481015.1	3768592	9.17E-02	0.00E+00	0.00E+00	9.08E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00
2277	481007.5	3768587	9.08E-02	0.00E+00	0.00E+00	8.99E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00
2278	480997.1	3768572	9.02E-02	0.00E+00	0.00E+00	8.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00
2279	480994.2	3768563	9.03E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00
2280	480991.4	3768555	9.00E-02	0.00E+00	0.00E+00	8.91E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00
2281	480988.5	3768546	8.93E-02	0.00E+00	0.00E+00	8.83E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00
2282	480985.7	3768537	8.81E-02	0.00E+00	0.00E+00	8.72E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00
2283	480982.8	3768528	8.66E-02	0.00E+00	0.00E+00	8.57E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00
2284	480980	3768519	8.48E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
2285	480977.1	3768510	8.26E-02	0.00E+00	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00
2286	480974.3	3768501	8.02E-02	0.00E+00	0.00E+00	7.93E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00
2287	480971.5	3768492	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2288	480968.6	3768483	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00
2289	481091.3	3768646	8.23E-02	0.00E+00	0.00E+00	8.14E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00
2290	481100.4	3768649	8.11E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00
2291	481109.5	3768652	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
2292	481118.6	3768654	7.81E-02	0.00E+00	0.00E+00	7.73E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00
2293	481146	3768663	7.17E-02	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00
2294	481155.1	3768666	6.93E-02	0.00E+00	0.00E+00	6.85E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2295	481164.2	3768668	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00
2296	481081	3768650	7.93E-02	0.00E+00	0.00E+00	7.85E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00
2297	481073.6	3768645	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
2298	481066.2	3768640	8.35E-02	0.00E+00	0.00E+00	8.26E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00
2299	481058.8	3768634	8.52E-02	0.00E+00	0.00E+00	8.43E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00
2300	481051.3	3768629	8.65E-02	0.00E+00	0.00E+00	8.56E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00
2301	481043.9	3768624	8.75E-02	0.00E+00	0.00E+00	8.66E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00
2302	481036.5	3768619	8.82E-02	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00
2303	481029.1	3768613	8.86E-02	0.00E+00	0.00E+00	8.77E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00
2304	481021.7	3768608	8.87E-02	0.00E+00	0.00E+00	8.78E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00
2305	481014.2	3768603	8.85E-02	0.00E+00	0.00E+00	8.76E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00
2306	481006.8	3768598	8.81E-02	0.00E+00	0.00E+00	8.71E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00
2307	480999.4	3768592	8.73E-02	0.00E+00	0.00E+00	8.64E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00
2308	480989.2	3768578	8.70E-02	0.00E+00	0.00E+00	8.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00
2309	480986.4	3768570	8.72E-02	0.00E+00	0.00E+00	8.63E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00
2310	480983.6	3768561	8.71E-02	0.00E+00	0.00E+00	8.62E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00
2311	480978.1	3768544	8.57E-02	0.00E+00	0.00E+00	8.48E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00
2312	480975.3	3768535	8.45E-02	0.00E+00	0.00E+00	8.37E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.58E-03	0.00E+00	0.00E+00
2313	480972.6	3768526	8.30E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00
2314	480967	3768509	7.91E-02	0.00E+00	0.00E+00	7.83E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
2315	480964.2	3768500	7.68E-02	0.00E+00	0.00E+00	7.60E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00
2316	480958.7	3768483	7.16E-02	0.00E+00	0.00E+00	7.08E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00
2317	481088.5	3768656	7.68E-02	0.00E+00	0.00E+00	7.60E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00
2318	481097.6	3768658	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00
2319	481106.7	3768661	7.41E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2320	481115.8	3768664	7.24E-02	0.00E+00	0.00E+00	7.16E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00
2321	481143.1	3768672	6.60E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
2322	481152.2	3768675	6.36E-02	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00
2323	481161.3	3768678	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00
2324	481078.3	3768660	7.41E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00
2325	481063.8	3768650	7.84E-02	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00
2326	481049.3	3768639	8.17E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00
2327	481034.8	3768629	8.38E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00
2328	481020.3	3768619	8.49E-02	0.00E+00	0.00E+00	8.41E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00
2329	481005.8	3768608	8.50E-02	0.00E+00	0.00E+00	8.41E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00
2330	480991.3	3768598	8.40E-02	0.00E+00	0.00E+00	8.32E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00
2331	480981.3	3768584	8.39E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00
2332	480975.9	3768567	8.43E-02	0.00E+00	0.00E+00	8.34E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00
2333	480970.5	3768550	8.33E-02	0.00E+00	0.00E+00	8.25E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00
2334	480965.1	3768534	8.12E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00
2335	480959.6	3768517	7.79E-02	0.00E+00	0.00E+00	7.71E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00

2336	480954.2	3768500	7.37E-02	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00
2337	480948.8	3768483	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
2338	481094.7	3768668	7.03E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00
2339	481103.8	3768671	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
2340	481112.9	3768673	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
2341	481122	3768676	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00
2342	481149.3	3768684	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
2343	481158.4	3768687	5.61E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2344	481075.1	3768669	6.95E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
2345	481067.5	3768664	7.18E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
2346	481059.9	3768658	7.40E-02	0.00E+00	0.00E+00	7.32E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2347	481052.3	3768653	7.59E-02	0.00E+00	0.00E+00	7.51E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00
2348	481044.6	3768647	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2349	481037	3768642	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
2350	481029.4	3768637	8.00E-02	0.00E+00	0.00E+00	7.91E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00
2351	481021.8	3768631	8.08E-02	0.00E+00	0.00E+00	8.00E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00
2352	481014.2	3768626	8.14E-02	0.00E+00	0.00E+00	8.05E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2353	481006.6	3768620	8.17E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00
2354	480998.9	3768615	8.17E-02	0.00E+00	0.00E+00	8.09E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00
2355	480991.3	3768609	8.15E-02	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2356	480983.7	3768604	8.09E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
2357	480973.2	3768590	8.10E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
2358	480970.4	3768581	8.14E-02	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2359	480967.5	3768572	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
2360	480964.7	3768563	8.13E-02	0.00E+00	0.00E+00	8.04E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00
2361	480961.9	3768554	8.07E-02	0.00E+00	0.00E+00	7.99E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00
2362	480959	3768545	7.99E-02	0.00E+00	0.00E+00	7.90E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00
2363	480956.2	3768536	7.87E-02	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00
2364	480953.3	3768527	7.72E-02	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
2365	480950.5	3768519	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
2366	480947.6	3768510	7.35E-02	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00
2367	480944.8	3768501	7.13E-02	0.00E+00	0.00E+00	7.05E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
2368	480941.9	3768492	6.89E-02	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00
2369	480939.1	3768483	6.63E-02	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00
2370	481082.7	3768674	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
2371	481091.8	3768677	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2372	481100.9	3768680	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2373	481110	3768683	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2374	481119.2	3768685	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2375	481146.5	3768694	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
2376	481155.6	3768697	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
2377	481072.4	3768679	6.49E-02	0.00E+00	0.00E+00	6.42E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00
2378	481065	3768673	6.72E-02	0.00E+00	0.00E+00	6.65E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00
2379	481057.5	3768668	6.94E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00
2380	481050.1	3768663	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00
2381	481042.6	3768657	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00
2382	481035.2	3768652	7.45E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00
2383	481027.7	3768647	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
2384	481020.3	3768641	7.68E-02	0.00E+00	0.00E+00	7.60E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00
2385	481012.8	3768636	7.76E-02	0.00E+00	0.00E+00	7.68E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00
2386	481005.4	3768631	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
2387	480997.9	3768626	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00
2388	480990.5	3768620	7.86E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
2389	480983	3768615	7.84E-02	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00
2390	480975.6	3768610	7.80E-02	0.00E+00	0.00E+00	7.72E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
2391	480965.4	3768596	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
2392	480962.6	3768587	7.87E-02	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00
2393	480957	3768570	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
2394	480954.2	3768561	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00
2395	480951.4	3768552	7.78E-02	0.00E+00	0.00E+00	7.70E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00
2396	480948.7	3768544	7.69E-02	0.00E+00	0.00E+00	7.61E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00
2397	480943.1	3768526	7.42E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
2398	480940.3	3768517	7.25E-02	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00
2399	480937.5	3768509	7.06E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00
2400	480934.8	3768500	6.85E-02	0.00E+00	0.00E+00	6.78E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00
2401	480932	3768491	6.63E-02	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
2402	481079.9	3768684	6.24E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00
2403	481089	3768687	6.10E-02	0.00E+00	0.00E+00	6.03E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2404	481098.1	3768689	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2405	481107.2	3768692	5.77E-02	0.00E+00	0.00E+00	5.71E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00
2406	481116.3	3768695	5.58E-02	0.00E+00	0.00E+00	5.53E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
2407	481143.6	3768703	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2408	481152.7	3768706	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00
2409	481069.7	3768688	6.06E-02	0.00E+00	0.00E+00	6.00E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00
2410	481055.1	3768678	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00
2411	481040.5	3768667	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
2412	481033.2	3768662	7.04E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00
2413	481018.6	3768652	7.29E-02	0.00E+00	0.00E+00	7.21E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00
2414	481011.3	3768647	7.39E-02	0.00E+00	0.00E+00	7.31E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00
2415	480996.7	3768636	7.52E-02	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00
2416	480982.1	3768626	7.56E-02	0.00E+00	0.00E+00	7.48E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00
2417	480967.5	3768615	7.52E-02	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00
2418	480957.5	3768602	7.56E-02	0.00E+00	0.00E+00	7.48E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00
2419	480952	3768585	7.65E-02	0.00E+00	0.00E+00	7.57E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00
2420	480946.6	3768568	7.63E-02	0.00E+00	0.00E+00	7.55E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00
2421	480943.8	3768559	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
2422	480938.4	3768542	7.41E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2423	480932.9	3768525	7.14E-02	0.00E+00	0.00E+00	7.07E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00
2424	480927.5	3768508	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
2425	480922	3768491	6.38E-02	0.00E+00	0.00E+00	6.31E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00
2426	481077	3768693	5.83E-02	0.00E+00	0.00E+00	5.77E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00

2427	481086.1	3768696	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
2428	481095.2	3768699	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
2429	481104.3	3768702	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
2430	481113.4	3768704	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
2431	481122.5	3768707	4.99E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00
2432	481149.8	3768715	4.38E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2433	481066.5	3768697	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
2434	481058.9	3768692	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
2435	481051.3	3768686	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2436	481043.7	3768681	6.33E-02	0.00E+00	0.00E+00	6.27E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
2437	481036.1	3768676	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00
2438	481028.4	3768670	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
2439	481020.8	3768665	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
2440	481013.2	3768659	6.96E-02	0.00E+00	0.00E+00	6.89E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00
2441	481005.6	3768654	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2442	480998	3768649	7.16E-02	0.00E+00	0.00E+00	7.08E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00
2443	480990.3	3768643	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
2444	480982.7	3768638	7.26E-02	0.00E+00	0.00E+00	7.19E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00
2445	480975.1	3768632	7.28E-02	0.00E+00	0.00E+00	7.21E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2446	480967.5	3768627	7.28E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2447	480959.9	3768622	7.26E-02	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00
2448	480949.4	3768607	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00
2449	480946.6	3768598	7.38E-02	0.00E+00	0.00E+00	7.30E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00
2450	480943.7	3768589	7.41E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00
2451	480940.9	3768581	7.42E-02	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
2452	480938	3768572	7.41E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2453	480935.2	3768563	7.36E-02	0.00E+00	0.00E+00	7.28E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00
2454	480932.3	3768554	7.29E-02	0.00E+00	0.00E+00	7.21E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2455	480929.5	3768545	7.19E-02	0.00E+00	0.00E+00	7.12E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00
2456	480926.6	3768536	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2457	480923.8	3768527	6.93E-02	0.00E+00	0.00E+00	6.86E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2458	480921	3768518	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00
2459	480918.1	3768509	6.58E-02	0.00E+00	0.00E+00	6.52E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00
2460	480915.3	3768500	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2461	480912.4	3768492	6.17E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
2462	480909.6	3768483	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2463	481074.1	3768703	5.44E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
2464	481083.3	3768705	5.29E-02	0.00E+00	0.00E+00	5.24E-02	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00
2465	481092.4	3768708	5.14E-02	0.00E+00	0.00E+00	5.08E-02	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00
2466	481101.5	3768711	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2467	481110.6	3768714	4.80E-02	0.00E+00	0.00E+00	4.75E-02	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00
2468	481119.7	3768716	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
2469	481147	3768725	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
2470	481063.8	3768707	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
2471	481056.3	3768701	5.53E-02	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00
2472	481048.9	3768696	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2473	481041.4	3768691	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2474	481033.9	3768686	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2475	481026.5	3768680	6.30E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2476	481019	3768675	6.46E-02	0.00E+00	0.00E+00	6.39E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00
2477	481011.5	3768670	6.59E-02	0.00E+00	0.00E+00	6.52E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00
2478	481004.1	3768664	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00
2479	480996.6	3768659	6.81E-02	0.00E+00	0.00E+00	6.74E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00
2480	480989.1	3768654	6.89E-02	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00
2481	480981.7	3768648	6.96E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00
2482	480974.2	3768643	7.00E-02	0.00E+00	0.00E+00	6.93E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00
2483	480966.7	3768638	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00
2484	480959.3	3768633	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00
2485	480951.8	3768627	7.01E-02	0.00E+00	0.00E+00	6.94E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00
2486	480941.5	3768613	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2487	480938.7	3768604	7.14E-02	0.00E+00	0.00E+00	7.07E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00
2488	480935.9	3768596	7.18E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
2489	480933.2	3768587	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
2490	480930.4	3768578	7.20E-02	0.00E+00	0.00E+00	7.12E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00
2491	480927.6	3768570	7.16E-02	0.00E+00	0.00E+00	7.09E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00
2492	480924.8	3768561	7.11E-02	0.00E+00	0.00E+00	7.04E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00
2493	480922	3768552	7.03E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00
2494	480916.4	3768535	6.82E-02	0.00E+00	0.00E+00	6.74E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00
2495	480913.6	3768526	6.68E-02	0.00E+00	0.00E+00	6.61E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
2496	480910.8	3768517	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00
2497	480908.1	3768509	6.34E-02	0.00E+00	0.00E+00	6.28E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
2498	480905.3	3768500	6.15E-02	0.00E+00	0.00E+00	6.09E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00
2499	480902.5	3768491	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00
2500	480899.7	3768482	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2501	481071.3	3768712	5.08E-02	0.00E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00
2502	481080.4	3768715	4.93E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00
2503	481089.5	3768718	4.78E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00
2504	481098.6	3768720	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00
2505	481107.7	3768723	4.45E-02	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00
2506	481116.8	3768726	4.28E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00
2507	481061.1	3768716	4.96E-02	0.00E+00	0.00E+00	4.91E-02	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00
2508	481053.7	3768711	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
2509	481046.4	3768706	5.38E-02	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	9.77E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00
2510	481039.1	3768701	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
2511	481024.4	3768690	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2512	481017.1	3768685	6.09E-02	0.00E+00	0.00E+00	6.02E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00
2513	481009.7	3768680	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
2514	481002.4	3768675	6.36E-02	0.00E+00	0.00E+00	6.29E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00
2515	480995.1	3768669	6.47E-02	0.00E+00	0.00E+00	6.40E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00
2516	480980.4	3768659	6.64E-02	0.00E+00	0.00E+00	6.58E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
2517	480973.1	3768654	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00

2518	480965.7	3768649	6.75E-02	0.00E+00	0.00E+00	6.68E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00
2519	480958.4	3768643	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2520	480943.7	3768633	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2521	480933.6	3768619	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
2522	480930.9	3768611	6.91E-02	0.00E+00	0.00E+00	6.84E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00
2523	480925.4	3768593	6.99E-02	0.00E+00	0.00E+00	6.91E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
2524	480922.7	3768585	6.99E-02	0.00E+00	0.00E+00	6.92E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
2525	480917.2	3768568	6.93E-02	0.00E+00	0.00E+00	6.86E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2526	480911.7	3768551	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
2527	480906.2	3768533	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
2528	480900.8	3768516	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
2529	480895.3	3768499	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2530	480892.5	3768491	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
2531	481068.4	3768721	4.74E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2532	481077.5	3768724	4.60E-02	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
2533	481086.6	3768727	4.45E-02	0.00E+00	0.00E+00	4.40E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00
2534	481095.7	3768730	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
2535	481104.8	3768733	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
2536	481113.9	3768735	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
2537	481057.9	3768725	4.65E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
2538	481050.3	3768720	4.86E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00
2539	481042.7	3768715	5.07E-02	0.00E+00	0.00E+00	5.01E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00
2540	481035.1	3768709	5.27E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00
2541	481027.5	3768704	5.45E-02	0.00E+00	0.00E+00	5.40E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00
2542	481019.8	3768698	5.63E-02	0.00E+00	0.00E+00	5.57E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00
2543	481012.2	3768693	5.79E-02	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00
2544	481004.6	3768688	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2545	480997	3768682	6.08E-02	0.00E+00	0.00E+00	6.01E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2546	480989.4	3768677	6.20E-02	0.00E+00	0.00E+00	6.13E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00
2547	480981.8	3768671	6.30E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2548	480974.1	3768666	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2549	480966.5	3768661	6.45E-02	0.00E+00	0.00E+00	6.39E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00
2550	480958.9	3768655	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00
2551	480951.3	3768650	6.53E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
2552	480943.7	3768644	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2553	480936	3768639	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2554	480925.6	3768625	6.63E-02	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
2555	480922.7	3768616	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
2556	480919.9	3768607	6.76E-02	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00
2557	480917.1	3768598	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
2558	480914.2	3768589	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
2559	480911.4	3768580	6.78E-02	0.00E+00	0.00E+00	6.71E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2560	480908.5	3768571	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00
2561	480905.7	3768562	6.68E-02	0.00E+00	0.00E+00	6.61E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
2562	480902.8	3768553	6.60E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
2563	480900	3768545	6.51E-02	0.00E+00	0.00E+00	6.44E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00
2564	480897.1	3768536	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2565	480894.3	3768527	6.25E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
2566	480891.4	3768518	6.10E-02	0.00E+00	0.00E+00	6.04E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00
2567	480888.6	3768509	5.94E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2568	480885.8	3768500	5.76E-02	0.00E+00	0.00E+00	5.70E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00
2569	480882.9	3768491	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
2570	480880.1	3768482	5.37E-02	0.00E+00	0.00E+00	5.31E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00
2571	481065.6	3768731	4.43E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
2572	481074.7	3768734	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
2573	481055.2	3768735	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2574	481047.7	3768730	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2575	481040.2	3768724	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2576	481032.8	3768719	4.94E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
2577	481025.3	3768714	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
2578	481017.8	3768708	5.29E-02	0.00E+00	0.00E+00	5.24E-02	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00
2579	481010.3	3768703	5.46E-02	0.00E+00	0.00E+00	5.40E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00
2580	481002.8	3768698	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
2581	480995.3	3768692	5.75E-02	0.00E+00	0.00E+00	5.69E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
2582	480987.9	3768687	5.87E-02	0.00E+00	0.00E+00	5.81E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00
2583	480980.4	3768682	5.99E-02	0.00E+00	0.00E+00	5.92E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00
2584	480972.9	3768677	6.08E-02	0.00E+00	0.00E+00	6.02E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00
2585	480965.4	3768671	6.16E-02	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00
2586	480957.9	3768666	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
2587	480950.4	3768661	6.28E-02	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
2588	480942.9	3768655	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
2589	480935.5	3768650	6.33E-02	0.00E+00	0.00E+00	6.26E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00
2590	480928	3768645	6.33E-02	0.00E+00	0.00E+00	6.27E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
2591	480917.7	3768631	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
2592	480914.9	3768622	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00
2593	480912.1	3768613	6.56E-02	0.00E+00	0.00E+00	6.49E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00
2594	480909.3	3768604	6.59E-02	0.00E+00	0.00E+00	6.52E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00
2595	480906.5	3768596	6.60E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
2596	480900.9	3768578	6.58E-02	0.00E+00	0.00E+00	6.51E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
2597	480898.1	3768569	6.53E-02	0.00E+00	0.00E+00	6.46E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
2598	480895.3	3768561	6.47E-02	0.00E+00	0.00E+00	6.40E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00
2599	480892.5	3768552	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2600	480889.7	3768543	6.29E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00
2601	480886.9	3768534	6.17E-02	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
2602	480884.2	3768526	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2603	480881.4	3768517	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00
2604	480878.6	3768508	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2605	480875.8	3768499	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
2606	480873	3768491	5.38E-02	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	9.77E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
2607	480870.2	3768482	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
2608	481036.6	3768733	4.47E-02	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00

2609	481028.8	3768728	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
2610	481021.1	3768722	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
2611	481013.3	3768717	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
2612	481005.6	3768711	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2613	480997.8	3768706	5.35E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
2614	480990.1	3768700	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2615	480982.3	3768695	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2616	480974.6	3768689	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2617	480966.8	3768684	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
2618	480959.1	3768678	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2619	480951.3	3768673	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
2620	480943.6	3768667	6.05E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
2621	480935.8	3768662	6.09E-02	0.00E+00	0.00E+00	6.03E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2622	480928.1	3768656	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
2623	480920.3	3768651	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2624	480909.7	3768636	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
2625	480906.8	3768627	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
2626	480903.9	3768618	6.37E-02	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00
2627	480901	3768609	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
2628	480898.1	3768600	6.42E-02	0.00E+00	0.00E+00	6.36E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00
2629	480895.2	3768591	6.42E-02	0.00E+00	0.00E+00	6.36E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00
2630	480892.3	3768582	6.40E-02	0.00E+00	0.00E+00	6.33E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00
2631	480889.4	3768573	6.36E-02	0.00E+00	0.00E+00	6.29E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00
2632	480886.5	3768564	6.30E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2633	480883.6	3768555	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2634	480880.7	3768546	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
2635	480877.8	3768536	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
2636	480874.9	3768527	5.87E-02	0.00E+00	0.00E+00	5.81E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00
2637	480872	3768518	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2638	480869.1	3768509	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
2639	480866.2	3768500	5.40E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00
2640	480863.3	3768491	5.22E-02	0.00E+00	0.00E+00	5.16E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00
2641	480860.4	3768482	5.03E-02	0.00E+00	0.00E+00	4.98E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
2642	481096.3	3768761	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
2643	481105.4	3768764	3.19E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
2644	481114.5	3768766	3.05E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
2645	481018.9	3768732	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2646	481011.3	3768727	4.72E-02	0.00E+00	0.00E+00	4.67E-02	0.00E+00	0.00E+00	8.58E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00
2647	481003.6	3768721	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2648	480996	3768716	5.04E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00
2649	480988.4	3768710	5.18E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
2650	480980.8	3768705	5.32E-02	0.00E+00	0.00E+00	5.26E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00
2651	480973.2	3768700	5.44E-02	0.00E+00	0.00E+00	5.39E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
2652	480965.6	3768694	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
2653	480957.9	3768689	5.65E-02	0.00E+00	0.00E+00	5.59E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00
2654	480950.3	3768683	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2655	480942.7	3768678	5.80E-02	0.00E+00	0.00E+00	5.74E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00
2656	480935.1	3768673	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
2657	480927.5	3768667	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
2658	480919.8	3768662	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2659	480912.2	3768656	5.94E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2660	480901.8	3768642	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2661	480898.9	3768633	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00
2662	480896.1	3768624	6.18E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00
2663	480893.2	3768615	6.22E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2664	480890.4	3768606	6.25E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
2665	480887.5	3768598	6.26E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00
2666	480884.7	3768589	6.24E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00
2667	480881.8	3768580	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00
2668	480879	3768571	6.17E-02	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
2669	480876.2	3768562	6.10E-02	0.00E+00	0.00E+00	6.04E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00
2670	480873.3	3768553	6.02E-02	0.00E+00	0.00E+00	5.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00
2671	480870.5	3768544	5.92E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
2672	480867.6	3768535	5.80E-02	0.00E+00	0.00E+00	5.74E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00
2673	480864.8	3768526	5.67E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
2674	480861.9	3768517	5.53E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00
2675	480859.1	3768509	5.38E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
2676	480856.2	3768500	5.22E-02	0.00E+00	0.00E+00	5.16E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00
2677	480853.4	3768491	5.05E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2678	480850.6	3768482	4.87E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
2679	481057	3768759	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
2680	481066.1	3768762	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
2681	481075.2	3768765	3.37E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
2682	481084.3	3768767	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2683	481093.4	3768770	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
2684	481102.5	3768773	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
2685	481111.6	3768776	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
2686	481120.7	3768778	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00
2687	481046.6	3768763	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
2688	481001.6	3768731	4.59E-02	0.00E+00	0.00E+00	4.54E-02	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00
2689	480994.1	3768726	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2690	480986.6	3768721	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
2691	480979.1	3768715	5.03E-02	0.00E+00	0.00E+00	4.98E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
2692	480971.6	3768710	5.15E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
2693	480964.1	3768705	5.27E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
2694	480956.6	3768699	5.37E-02	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00
2695	480949.1	3768694	5.46E-02	0.00E+00	0.00E+00	5.41E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00
2696	480941.6	3768689	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
2697	480934.2	3768683	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
2698	480926.7	3768678	5.66E-02	0.00E+00	0.00E+00	5.60E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00
2699	480919.2	3768673	5.70E-02	0.00E+00	0.00E+00	5.64E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00

2700	480911.7	3768667	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2701	480904.2	3768662	5.75E-02	0.00E+00	0.00E+00	5.69E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
2702	480893.9	3768648	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
2703	480891.1	3768639	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2704	480888.3	3768630	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
2705	480885.5	3768622	6.04E-02	0.00E+00	0.00E+00	5.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00
2706	480882.7	3768613	6.08E-02	0.00E+00	0.00E+00	6.01E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2707	480879.9	3768604	6.09E-02	0.00E+00	0.00E+00	6.03E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2708	480877.1	3768595	6.09E-02	0.00E+00	0.00E+00	6.02E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2709	480874.3	3768587	6.07E-02	0.00E+00	0.00E+00	6.00E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2710	480871.5	3768578	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2711	480868.7	3768569	5.98E-02	0.00E+00	0.00E+00	5.91E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00
2712	480865.9	3768560	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00
2713	480863.1	3768552	5.82E-02	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
2714	480860.3	3768543	5.72E-02	0.00E+00	0.00E+00	5.66E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2715	480857.5	3768534	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
2716	480854.7	3768525	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2717	480851.9	3768517	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.72E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
2718	480849.1	3768508	5.20E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
2719	480846.3	3768499	5.05E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2720	480843.5	3768490	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2721	480840.7	3768482	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
2722	481054.1	3768769	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
2723	481063.2	3768771	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
2724	481072.3	3768774	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
2725	481081.4	3768777	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
2726	481090.5	3768780	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2727	481099.6	3768782	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
2728	481108.7	3768785	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
2729	481117.8	3768788	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
2730	481037.9	3768792	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
2731	481030.3	3768787	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
2732	481022.8	3768781	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
2733	481015.3	3768776	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
2734	481007.8	3768771	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
2735	481000.3	3768765	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
2736	480992.8	3768760	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
2737	480955.2	3768733	4.53E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
2738	480947.6	3768728	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
2739	480940.1	3768723	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2740	480932.6	3768717	4.84E-02	0.00E+00	0.00E+00	4.79E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00
2741	480925.1	3768712	4.93E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00
2742	480917.6	3768706	5.00E-02	0.00E+00	0.00E+00	4.95E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00
2743	480910	3768701	5.07E-02	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00
2744	480902.5	3768696	5.13E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00
2745	480895	3768690	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
2746	480887.5	3768685	5.20E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
2747	480880	3768680	5.23E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2748	480869.6	3768666	5.34E-02	0.00E+00	0.00E+00	5.28E-02	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00
2749	480866.8	3768657	5.42E-02	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00
2750	480864	3768648	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2751	480861.2	3768639	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
2752	480858.4	3768631	5.59E-02	0.00E+00	0.00E+00	5.54E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00
2753	480855.6	3768622	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2754	480852.8	3768613	5.64E-02	0.00E+00	0.00E+00	5.58E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00
2755	480850	3768604	5.63E-02	0.00E+00	0.00E+00	5.57E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00
2756	480847.2	3768595	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2757	480844.4	3768587	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
2758	480841.6	3768578	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
2759	480838.8	3768569	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
2760	480835.9	3768560	5.41E-02	0.00E+00	0.00E+00	5.35E-02	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00
2761	480833.1	3768552	5.32E-02	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00
2762	480830.3	3768543	5.23E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2763	480827.5	3768534	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
2764	480824.7	3768525	5.00E-02	0.00E+00	0.00E+00	4.95E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00
2765	480821.9	3768516	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2766	480819.1	3768508	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2767	480816.3	3768499	4.60E-02	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00
2768	480813.5	3768490	4.45E-02	0.00E+00	0.00E+00	4.40E-02	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00
2769	480810.7	3768481	4.30E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
2770	481045.4	3768797	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
2771	481054.5	3768800	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
2772	481063.6	3768803	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
2773	481072.7	3768806	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
2774	481081.8	3768808	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2775	481090.9	3768811	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
2776	481100	3768814	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2777	481109.1	3768817	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
2778	481118.2	3768819	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2779	481029.1	3768821	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
2780	481021.6	3768815	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
2781	481014	3768810	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
2782	481006.5	3768805	2.82E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2783	480999	3768799	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
2784	480991.4	3768794	3.10E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
2785	480983.9	3768788	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2786	480976.4	3768783	3.37E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
2787	480968.8	3768778	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
2788	480961.3	3768772	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
2789	480953.7	3768767	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
2790	480946.2	3768762	3.87E-02	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00

2791	480908.5	3768735	4.39E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
2792	480901	3768730	4.47E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2793	480893.5	3768724	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2794	480885.9	3768719	4.60E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
2795	480878.4	3768714	4.66E-02	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
2796	480870.8	3768708	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
2797	480863.3	3768703	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2798	480855.8	3768698	4.78E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00
2799	480845.4	3768683	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
2800	480842.6	3768675	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2801	480839.8	3768666	5.05E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2802	480837	3768657	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
2803	480834.2	3768648	5.16E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
2804	480831.3	3768639	5.20E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2805	480828.5	3768631	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2806	480825.7	3768622	5.23E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
2807	480822.9	3768613	5.23E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
2808	480820.1	3768604	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00
2809	480817.3	3768595	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2810	480814.5	3768587	5.16E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
2811	480811.6	3768578	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
2812	480808.8	3768569	5.04E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2813	480806	3768560	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2814	480803.2	3768551	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
2815	480800.4	3768543	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
2816	480797.6	3768534	4.69E-02	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
2817	480794.8	3768525	4.58E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00
2818	480791.9	3768516	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2819	480789.1	3768507	4.34E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00
2820	480786.3	3768499	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
2821	480783.5	3768490	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
2822	480780.7	3768481	3.93E-02	0.00E+00	0.00E+00	3.89E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00
2823	481036.7	3768826	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
2824	481045.8	3768829	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
2825	481054.9	3768831	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
2826	481064	3768834	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2827	481073.1	3768837	1.94E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2828	481082.2	3768840	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2829	481091.3	3768843	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2830	481100.4	3768845	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2831	481109.5	3768848	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2832	481020.4	3768849	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2833	481012.8	3768844	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
2834	481005.3	3768839	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2835	480997.7	3768833	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2836	480990.2	3768828	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2837	480982.6	3768822	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
2838	480975.1	3768817	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
2839	480967.5	3768812	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
2840	480960	3768806	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
2841	480952.4	3768801	3.08E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
2842	480944.9	3768796	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
2843	480937.3	3768790	3.31E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
2844	480929.7	3768785	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
2845	480922.2	3768780	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
2846	480914.6	3768774	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
2847	480907.1	3768769	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
2848	480899.5	3768763	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
2849	480861.8	3768737	4.20E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2850	480854.2	3768731	4.26E-02	0.00E+00	0.00E+00	4.21E-02	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00
2851	480846.7	3768726	4.31E-02	0.00E+00	0.00E+00	4.26E-02	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
2852	480839.1	3768721	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2853	480831.6	3768715	4.38E-02	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2854	480821.2	3768701	4.49E-02	0.00E+00	0.00E+00	4.44E-02	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00
2855	480818.4	3768692	4.57E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
2856	480815.6	3768683	4.65E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
2857	480812.7	3768675	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
2858	480809.9	3768666	4.77E-02	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00
2859	480807.1	3768657	4.81E-02	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00
2860	480804.3	3768648	4.84E-02	0.00E+00	0.00E+00	4.79E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00
2861	480801.5	3768639	4.87E-02	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
2862	480798.6	3768631	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2863	480795.8	3768622	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2864	480793	3768613	4.87E-02	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
2865	480790.2	3768604	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
2866	480787.4	3768595	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.75E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
2867	480784.5	3768586	4.77E-02	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00
2868	480781.7	3768578	4.72E-02	0.00E+00	0.00E+00	4.67E-02	0.00E+00	0.00E+00	8.58E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00
2869	480778.9	3768569	4.66E-02	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
2870	480776.1	3768560	4.58E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00
2871	480773.3	3768551	4.50E-02	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00
2872	480770.4	3768542	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
2873	480767.6	3768533	4.31E-02	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
2874	480764.8	3768525	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
2875	480762	3768516	4.10E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00
2876	480759.2	3768507	3.99E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
2877	480756.3	3768498	3.87E-02	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00
2878	480753.5	3768489	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
2879	481027.9	3768855	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
2880	481037	3768857	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2881	481046.1	3768860	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00

2882	481055.2	3768863	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2883	481064.3	3768866	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
2884	481073.4	3768868	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2885	481082.6	3768871	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2886	481091.7	3768874	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2887	481100.8	3768877	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2888	481011.6	3768878	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2889	481004.1	3768873	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
2890	480996.5	3768867	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2891	480988.9	3768862	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
2892	480981.4	3768856	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
2893	480973.8	3768851	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
2894	480966.2	3768846	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
2895	480958.7	3768840	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
2896	480951.1	3768835	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
2897	480943.5	3768830	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
2898	480936	3768824	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
2899	480928.4	3768819	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
2900	480920.8	3768814	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
2901	480913.3	3768808	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
2902	480905.7	3768803	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
2903	480898.2	3768797	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
2904	480890.6	3768792	3.32E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
2905	480883	3768787	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
2906	480875.5	3768781	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
2907	480867.9	3768776	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
2908	480860.3	3768771	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
2909	480852.8	3768765	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00
2910	480845.2	3768760	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
2911	480807.4	3768733	4.03E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
2912	480797	3768719	4.14E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00
2913	480794.2	3768710	4.22E-02	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00
2914	480791.3	3768701	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
2915	480788.5	3768692	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
2916	480785.7	3768683	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
2917	480782.9	3768675	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2918	480780	3768666	4.50E-02	0.00E+00	0.00E+00	4.46E-02	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00
2919	480777.2	3768657	4.53E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
2920	480774.4	3768648	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
2921	480771.6	3768639	4.56E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
2922	480768.7	3768630	4.56E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
2923	480765.9	3768622	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
2924	480763.1	3768613	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
2925	480760.3	3768604	4.51E-02	0.00E+00	0.00E+00	4.46E-02	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00
2926	480757.4	3768595	4.47E-02	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00
2927	480754.6	3768586	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
2928	480751.8	3768577	4.37E-02	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2929	481019.2	3768883	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2930	481028.3	3768886	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2931	481037.4	3768889	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2932	481046.5	3768892	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2933	481055.6	3768894	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2934	481064.7	3768897	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2935	481073.8	3768900	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2936	481082.9	3768903	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2937	481092	3768905	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2938	481002.9	3768907	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2939	480995.3	3768901	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2940	480987.7	3768896	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
2941	480980.2	3768891	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2942	480972.6	3768885	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
2943	480965	3768880	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2944	480957.4	3768874	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2945	480949.9	3768869	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2946	480942.3	3768864	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
2947	480934.7	3768858	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
2948	480927.1	3768853	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
2949	480919.5	3768847	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
2950	480912	3768842	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
2951	480904.4	3768837	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
2952	480896.8	3768831	2.69E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
2953	480889.2	3768826	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
2954	480881.7	3768821	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
2955	480874.1	3768815	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
2956	480866.5	3768810	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
2957	480858.9	3768804	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
2958	480851.4	3768799	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
2959	480843.8	3768794	3.29E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
2960	480836.2	3768788	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
2961	480828.6	3768783	3.42E-02	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
2962	480821.1	3768778	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
2963	480813.5	3768772	3.54E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00
2964	480805.9	3768767	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
2965	480798.3	3768761	3.64E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
2966	480772.8	3768736	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
2967	480769.9	3768728	3.90E-02	0.00E+00	0.00E+00	3.86E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00
2968	480767.1	3768719	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
2969	480764.3	3768710	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
2970	480761.4	3768701	4.10E-02	0.00E+00	0.00E+00	4.05E-02	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
2971	480758.6	3768692	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
2972	480755.8	3768683	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00

2973	480753	3768675	4.22E-02	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
2974	480750.1	3768666	4.25E-02	0.00E+00	0.00E+00	4.21E-02	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00
2975	480710.5	3768542	3.77E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
2976	480707.7	3768533	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
2977	480704.9	3768524	3.60E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00
2978	480702	3768515	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
2979	480699.2	3768506	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
2980	480696.4	3768498	3.31E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
2981	480693.5	3768489	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
2982	480690.7	3768480	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
2983	481010.5	3768912	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2984	481019.6	3768915	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2985	481028.7	3768918	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2986	481037.8	3768920	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2987	481046.9	3768923	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2988	481056	3768926	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2989	481065.1	3768929	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2990	481074.2	3768931	9.96E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2991	481083.3	3768934	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
2992	480994.2	3768935	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2993	480986.6	3768930	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2994	480979	3768925	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2995	480971.4	3768919	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
2996	480963.8	3768914	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2997	480956.2	3768908	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2998	480948.6	3768903	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
2999	480941	3768898	1.72E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3000	480933.5	3768892	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3001	480925.9	3768887	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
3002	480918.3	3768881	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3003	480910.7	3768876	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
3004	480903.1	3768871	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3005	480895.5	3768865	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
3006	480887.9	3768860	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
3007	480880.4	3768855	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3008	480872.8	3768849	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
3009	480865.2	3768844	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
3010	480857.6	3768838	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3011	480850	3768833	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3012	480842.4	3768828	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
3013	480834.8	3768822	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
3014	480827.2	3768817	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3015	480819.7	3768811	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3016	480812.1	3768806	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
3017	480804.5	3768801	3.16E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3018	480796.9	3768795	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3019	480789.3	3768790	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
3020	480781.7	3768785	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
3021	480774.1	3768779	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00
3022	480766.6	3768774	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3023	480759	3768768	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
3024	480708.9	3768630	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3025	480706	3768621	3.99E-02	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00
3026	480703.2	3768612	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
3027	480700.4	3768604	3.93E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
3028	480697.5	3768595	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
3029	480694.7	3768586	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
3030	480691.9	3768577	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3031	480689	3768568	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3032	480686.2	3768559	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
3033	480683.4	3768550	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3034	480680.5	3768541	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
3035	480677.7	3768533	3.43E-02	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00
3036	480674.9	3768524	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3037	480672	3768515	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
3038	480669.2	3768506	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
3039	480666.4	3768497	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3040	480663.5	3768488	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3041	480660.7	3768479	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
3042	481001.7	3768941	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3043	481010.8	3768943	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3044	481020	3768946	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3045	481029.1	3768949	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3051	480985.4	3768964	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3052	480977.8	3768959	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3053	480970.2	3768953	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3054	480962.6	3768948	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3055	480955	3768942	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
3056	480947.4	3768937	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
3057	480939.8	3768932	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
3058	480932.2	3768926	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
3059	480924.7	3768921	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3060	480917.1	3768916	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
3061	480909.5	3768910	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
3062	480901.9	3768905	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
3063	480894.3	3768899	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
3064	480886.7	3768894	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
3065	480879.1	3768889	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
3066	480871.5	3768883	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
3067	480863.9	3768878	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3068	480856.3	3768872	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00

3069	480848.7	3768867	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3070	480841.1	3768862	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
3071	480833.5	3768856	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
3072	480825.9	3768851	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
3073	480818.3	3768845	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3074	480810.7	3768840	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
3075	480803.1	3768835	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
3076	480795.5	3768829	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3077	480787.9	3768824	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
3078	480780.3	3768818	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
3079	480772.7	3768813	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3080	480765.1	3768808	3.03E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3081	480757.5	3768802	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3082	480750	3768797	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3083	480742.4	3768792	3.16E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3084	480707.3	3768719	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
3085	480704.5	3768710	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00
3086	480701.6	3768701	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00
3087	480698.8	3768692	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3088	480696	3768683	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
3089	480693.1	3768674	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3090	480690.3	3768665	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3091	480687.5	3768657	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3092	480684.6	3768648	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3093	480681.8	3768639	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3094	480678.9	3768630	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3095	480676.1	3768621	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
3096	480673.3	3768612	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3097	480670.4	3768603	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3098	480667.6	3768594	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
3099	480664.8	3768586	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3100	480661.9	3768577	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
3101	480659.1	3768568	3.47E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
3102	480656.3	3768559	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
3103	480653.4	3768550	3.34E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3104	480650.6	3768541	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
3105	480647.7	3768532	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3106	480644.9	3768523	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3107	480642.1	3768515	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
3108	480639.2	3768506	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
3109	480636.4	3768497	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
3110	480633.6	3768488	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
3111	480630.7	3768479	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
3112	480993	3768969	9.86E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3113	481002.1	3768972	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
3114	481011.2	3768975	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
3115	481020.3	3768978	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
3116	481029.4	3768981	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
3121	480976.7	3768993	8.96E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
3122	480969.1	3768987	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
3123	480961.5	3768982	9.90E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3124	480953.9	3768977	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3125	480946.3	3768971	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3126	480938.7	3768966	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3127	480931.1	3768960	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3128	480923.5	3768955	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3129	480915.9	3768950	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
3130	480908.2	3768944	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3131	480900.6	3768939	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3132	480893	3768933	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3133	480885.4	3768928	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3134	480877.8	3768923	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
3135	480870.2	3768917	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3136	480862.6	3768912	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3137	480855	3768906	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
3138	480847.4	3768901	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3139	480839.8	3768896	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3140	480832.2	3768890	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
3141	480824.6	3768885	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
3142	480817	3768879	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3143	480809.4	3768874	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
3144	480801.8	3768869	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
3145	480794.2	3768863	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3146	480786.6	3768858	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
3147	480779	3768852	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
3148	480771.4	3768847	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3149	480763.8	3768842	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3150	480756.2	3768836	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
3151	480748.6	3768831	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
3152	480741	3768825	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
3153	480710.6	3768804	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
3154	480700.1	3768790	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
3155	480697.3	3768781	3.14E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
3156	480694.4	3768772	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
3157	480691.6	3768763	3.26E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
3158	480683.1	3768736	3.41E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
3159	480680.2	3768727	3.46E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
3160	480677.4	3768719	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3161	480674.6	3768710	3.52E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
3162	480671.7	3768701	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3163	480668.9	3768692	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00

3164	480666	3768683	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
3165	480663.2	3768674	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3166	480660.4	3768665	3.59E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00
3167	480657.5	3768656	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3168	480654.7	3768647	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
3169	480651.8	3768639	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3170	480649	3768630	3.54E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3171	480646.2	3768621	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
3172	480643.3	3768612	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
3173	480640.5	3768603	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3174	480637.6	3768594	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3175	480634.8	3768585	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
3176	480632	3768576	3.30E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
3177	480629.1	3768568	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
3178	480626.3	3768559	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3179	480623.4	3768550	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3180	480620.6	3768541	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
3181	480617.8	3768532	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3182	480614.9	3768523	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3183	480612.1	3768514	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
3184	480609.2	3768505	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
3185	480606.4	3768496	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
3186	480603.6	3768488	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3187	480600.7	3768479	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3188	480984.3	3768998	8.53E-03	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00
3189	480993.4	3769001	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
3190	481002.5	3769004	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
3191	481011.6	3769006	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
3192	481020.7	3769009	7.29E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00
3193	481029.8	3769012	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
3197	480967.9	3769021	7.80E-03	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00
3198	480960.3	3769016	8.18E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
3199	480952.7	3769011	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
3200	480945.1	3769005	9.02E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
3201	480937.5	3769000	9.46E-03	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00
3202	480929.9	3768994	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3203	480922.3	3768989	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3204	480914.7	3768984	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3205	480907.1	3768978	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3206	480899.4	3768973	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3207	480891.8	3768967	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
3208	480884.2	3768962	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3209	480876.6	3768957	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
3210	480869	3768951	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
3211	480861.4	3768946	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3212	480853.8	3768940	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3213	480846.2	3768935	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
3214	480838.6	3768930	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3215	480831	3768924	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
3216	480823.3	3768919	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3217	480815.7	3768913	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3218	480808.1	3768908	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3219	480800.5	3768903	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3220	480792.9	3768897	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
3221	480785.3	3768892	2.13E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
3222	480777.7	3768886	2.19E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
3223	480770.1	3768881	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
3224	480762.5	3768876	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3225	480754.8	3768870	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
3226	480747.2	3768865	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3227	480709.2	3768838	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3228	480701.6	3768832	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00
3229	480694	3768827	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3230	480686.3	3768822	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
3231	480675.9	3768807	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
3232	480673.1	3768798	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
3233	480670.2	3768789	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
3234	480667.4	3768781	3.05E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
3235	480664.5	3768772	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
3236	480661.7	3768763	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3237	480653.2	3768736	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
3238	480650.3	3768727	3.31E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00
3239	480647.5	3768718	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3240	480644.6	3768709	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00
3241	480641.8	3768701	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
3242	480638.9	3768692	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
3243	480636.1	3768683	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3244	480633.3	3768674	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3245	480630.4	3768665	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3246	480627.6	3768656	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
3247	480624.7	3768647	3.38E-02	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
3248	480621.9	3768638	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00
3249	480619	3768629	3.34E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
3250	480616.2	3768621	3.31E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
3251	480613.4	3768612	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3252	480610.5	3768603	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
3253	480607.7	3768594	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3254	480604.8	3768585	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
3255	480602	3768576	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
3256	480599.2	3768567	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
3257	480596.3	3768558	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00

3258	480593.5	3768549	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
3259	480590.6	3768541	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
3260	480587.8	3768532	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
3261	480584.9	3768523	2.72E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
3262	480582.1	3768514	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3263	480579.3	3768505	2.58E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3264	480576.4	3768496	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3265	480573.6	3768487	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
3266	480570.7	3768478	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
3267	480975.6	3769027	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
3268	480984.7	3769030	7.16E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
3269	480993.8	3769032	6.90E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
3270	481002.9	3769035	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00
3271	481012	3769038	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
3272	481021.1	3769041	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
3273	481030.2	3769043	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
3276	480959.2	3769050	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
3277	480951.6	3769045	7.16E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
3278	480944	3769039	7.50E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
3279	480936.4	3769034	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
3280	480928.7	3769029	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
3281	480921.1	3769023	8.63E-03	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00
3282	480913.5	3769018	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
3283	480905.9	3769012	9.48E-03	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
3284	480898.3	3769007	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3285	480890.7	3769001	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3286	480883	3768996	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3287	480875.4	3768991	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3288	480867.8	3768985	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3289	480860.2	3768980	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3290	480852.6	3768974	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3291	480845	3768969	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3292	480837.3	3768964	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
3293	480829.7	3768958	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
3294	480822.1	3768953	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3295	480814.5	3768947	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
3296	480806.9	3768942	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
3297	480799.2	3768937	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3298	480791.6	3768931	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
3299	480784	3768926	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
3300	480776.4	3768920	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3301	480768.8	3768915	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3302	480761.2	3768910	1.99E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
3303	480753.5	3768904	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
3304	480745.9	3768899	2.10E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
3305	480707.8	3768872	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
3306	480700.2	3768866	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
3307	480692.6	3768861	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
3308	480685	3768855	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
3309	480677.4	3768850	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3310	480669.8	3768845	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3311	480662.1	3768839	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3312	480651.7	3768825	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
3313	480648.8	3768816	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
3314	480646	3768807	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3315	480643.1	3768798	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
3316	480640.3	3768789	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3317	480637.5	3768780	2.96E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3318	480634.6	3768772	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
3319	480631.8	3768763	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
3320	480623.2	3768736	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
3321	480620.4	3768727	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3322	480617.5	3768718	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3323	480614.7	3768709	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3324	480611.9	3768700	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
3325	480609	3768692	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
3326	480606.2	3768683	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
3327	480603.3	3768674	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
3328	480600.5	3768665	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
3329	480597.6	3768656	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3330	480594.8	3768647	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3331	480591.9	3768638	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3332	480589.1	3768629	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
3333	480586.3	3768620	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3334	480583.4	3768611	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
3335	480580.6	3768603	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
3336	480577.7	3768594	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
3337	480574.9	3768585	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3338	480572	3768576	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3339	480569.2	3768567	2.85E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
3340	480566.3	3768558	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3341	480563.5	3768549	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
3342	480560.6	3768540	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
3343	480557.8	3768531	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
3344	480555	3768522	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3345	480552.1	3768514	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
3346	480549.3	3768505	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
3347	480546.4	3768496	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
3348	480543.6	3768487	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
3349	480540.7	3768478	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
3350	480966.8	3769056	6.53E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00

3351	480975.9	3769058	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3352	480985	3769061	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
3353	480994.1	3769064	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
3354	481003.2	3769067	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
3355	481012.4	3769069	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
3356	481021.5	3769072	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
3357	481224	3768533	3.01E-01	0.00E+00	0.00E+00	2.98E-01	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00
3358	481220.9	3768542	2.62E-01	0.00E+00	0.00E+00	2.59E-01	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00
3359	481217.8	3768551	2.31E-01	0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00
3360	481214.8	3768561	2.05E-01	0.00E+00	0.00E+00	2.02E-01	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
3361	481211.7	3768570	1.83E-01	0.00E+00	0.00E+00	1.81E-01	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00
3362	481208.6	3768579	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
3363	481205.5	3768589	1.47E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00
3364	481202.4	3768598	1.33E-01	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00
3365	481199.4	3768607	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
3366	481196.3	3768617	1.09E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
3367	481193.2	3768626	9.86E-02	0.00E+00	0.00E+00	9.76E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
3368	481190.1	3768635	8.96E-02	0.00E+00	0.00E+00	8.87E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00
3369	481187	3768645	8.16E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00
3370	481184	3768654	7.45E-02	0.00E+00	0.00E+00	7.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
3371	481180.9	3768663	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3372	481177.8	3768673	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
3373	481174.7	3768682	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
3374	481171.6	3768692	5.24E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
3375	481168.5	3768701	4.81E-02	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00
3376	481165.5	3768710	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
3377	481162.4	3768720	4.08E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00
3378	481159.3	3768729	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3379	481150.1	3768757	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
3380	481147	3768766	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
3381	481143.9	3768776	2.58E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3382	481140.8	3768785	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3383	481118.9	3768851	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
3384	481109.6	3768880	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3385	481240.4	3768538	2.95E-01	0.00E+00	0.00E+00	2.92E-01	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00
3386	481229.7	3768545	2.59E-01	0.00E+00	0.00E+00	2.56E-01	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00
3387	481226.8	3768554	2.27E-01	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00
3388	481224	3768564	2.01E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
3389	481221.1	3768573	1.78E-01	0.00E+00	0.00E+00	1.76E-01	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00
3390	481218.3	3768582	1.59E-01	0.00E+00	0.00E+00	1.57E-01	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00
3391	481215.4	3768592	1.43E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00
3392	481212.5	3768601	1.28E-01	0.00E+00	0.00E+00	1.27E-01	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00
3393	481209.7	3768611	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
3394	481206.8	3768620	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
3395	481204	3768629	9.41E-02	0.00E+00	0.00E+00	9.31E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00
3396	481201.1	3768639	8.52E-02	0.00E+00	0.00E+00	8.43E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00
3397	481198.2	3768648	7.74E-02	0.00E+00	0.00E+00	7.66E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00
3398	481195.4	3768658	7.03E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00
3399	481192.5	3768667	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
3400	481189.7	3768676	5.85E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
3401	481186.8	3768686	5.34E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
3402	481183.9	3768695	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
3403	481181.1	3768705	4.48E-02	0.00E+00	0.00E+00	4.44E-02	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00
3404	481178.2	3768714	4.12E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
3405	481175.4	3768724	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3406	481172.5	3768733	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3407	481163.9	3768761	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
3408	481161.1	3768771	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3409	481158.2	3768780	2.37E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
3410	481155.3	3768789	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3411	481152.5	3768799	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
3412	481143.8	3768828	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
3413	481118.4	3768883	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3414	481104.9	3768910	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3415	481117.6	3768914	9.78E-03	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
3416	481095.9	3768938	8.93E-03	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
3417	481108.9	3768942	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
3426	481256.9	3768542	2.87E-01	0.00E+00	0.00E+00	2.84E-01	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00
3427	481238.5	3768547	2.54E-01	0.00E+00	0.00E+00	2.52E-01	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00
3428	481254.2	3768552	2.46E-01	0.00E+00	0.00E+00	2.44E-01	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00
3429	481235.8	3768557	2.22E-01	0.00E+00	0.00E+00	2.20E-01	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00
3430	481251.6	3768561	2.13E-01	0.00E+00	0.00E+00	2.11E-01	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00
3431	481233.2	3768566	1.96E-01	0.00E+00	0.00E+00	1.94E-01	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00
3432	481249	3768571	1.87E-01	0.00E+00	0.00E+00	1.85E-01	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00
3433	481230.5	3768576	1.73E-01	0.00E+00	0.00E+00	1.72E-01	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00
3434	481246.3	3768580	1.64E-01	0.00E+00	0.00E+00	1.63E-01	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00
3435	481227.9	3768585	1.54E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
3436	481243.7	3768590	1.45E-01	0.00E+00	0.00E+00	1.44E-01	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
3437	481225.3	3768595	1.37E-01	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00
3438	481241	3768599	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
3439	481222.6	3768604	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
3440	481238.4	3768609	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00
3441	481220	3768614	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
3442	481235.8	3768618	1.03E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
3443	481217.4	3768623	9.92E-02	0.00E+00	0.00E+00	9.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
3444	481233.1	3768628	9.18E-02	0.00E+00	0.00E+00	9.08E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00
3445	481214.7	3768633	8.93E-02	0.00E+00	0.00E+00	8.84E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00
3446	481230.5	3768637	8.24E-02	0.00E+00	0.00E+00	8.15E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00
3447	481212.1	3768642	8.07E-02	0.00E+00	0.00E+00	7.98E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00
3448	481227.8	3768647	7.42E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00
3449	481209.4	3768652	7.30E-02	0.00E+00	0.00E+00	7.22E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00

3450	481225.2	3768656	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
3451	481206.8	3768661	6.61E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00
3452	481222.6	3768665	6.05E-02	0.00E+00	0.00E+00	5.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00
3453	481204.2	3768671	6.01E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
3454	481219.9	3768675	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3455	481201.5	3768680	5.46E-02	0.00E+00	0.00E+00	5.41E-02	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00
3456	481217.3	3768684	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
3457	481198.9	3768690	4.98E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00
3458	481214.7	3768694	4.52E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
3459	481196.2	3768699	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
3460	481212	3768703	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
3461	481193.6	3768708	4.16E-02	0.00E+00	0.00E+00	4.11E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00
3462	481209.4	3768713	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3463	481191	3768718	3.81E-02	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3464	481206.7	3768722	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3465	481188.3	3768727	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
3466	481204.1	3768732	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
3467	481180.4	3768756	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3468	481196.2	3768760	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
3469	481177.8	3768765	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
3470	481193.5	3768770	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
3471	481175.1	3768775	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3472	481190.9	3768779	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
3473	481172.5	3768784	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
3474	481188.3	3768789	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3475	481169.9	3768794	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
3476	481185.6	3768798	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3477	481167.2	3768803	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3478	481183	3768808	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3479	481159.2	3768832	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
3480	481174.9	3768837	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3481	481147	3768860	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3482	481159	3768863	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3483	481143.1	3768890	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3484	481158.9	3768894	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
3485	481142.9	3768921	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00
3491	481270.5	3768546	2.78E-01	0.00E+00	0.00E+00	2.75E-01	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
3492	481267.9	3768555	2.37E-01	0.00E+00	0.00E+00	2.34E-01	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00
3493	481265.4	3768565	2.04E-01	0.00E+00	0.00E+00	2.02E-01	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00
3494	481262.8	3768574	1.77E-01	0.00E+00	0.00E+00	1.75E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
3495	481260.3	3768584	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
3496	481257.7	3768593	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
3497	481255.2	3768603	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
3498	481252.6	3768612	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
3499	481250.1	3768622	9.50E-02	0.00E+00	0.00E+00	9.40E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00
3500	481247.5	3768631	8.47E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
3501	481245	3768641	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
3502	481242.4	3768650	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3503	481239.9	3768660	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
3504	481237.3	3768669	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
3505	481234.8	3768679	4.99E-02	0.00E+00	0.00E+00	4.94E-02	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00
3506	481232.2	3768688	4.52E-02	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00
3507	481229.7	3768698	4.11E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00
3508	481227.1	3768707	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
3509	481224.6	3768717	3.41E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
3510	481222	3768726	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3511	481212.8	3768734	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
3512	481205.1	3768763	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3513	481202.6	3768772	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3514	481200	3768782	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3515	481197.5	3768791	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
3516	481194.9	3768801	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3517	481192.4	3768810	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
3518	481184.6	3768839	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3519	481170.1	3768866	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3520	481183.5	3768870	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3521	481169	3768897	9.21E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
3522	481154.6	3768924	8.13E-03	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
3523	481167.9	3768928	7.63E-03	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00
3524	481146.8	3768953	7.02E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
3525	481160.2	3768957	6.62E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
3526	481139	3768982	6.14E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
3527	481152.4	3768986	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
3528	481144.6	3769015	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
3529	481278.5	3768557	2.31E-01	0.00E+00	0.00E+00	2.29E-01	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00
3530	481276.9	3768567	1.98E-01	0.00E+00	0.00E+00	1.95E-01	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00
3531	481275.3	3768577	1.70E-01	0.00E+00	0.00E+00	1.68E-01	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00
3532	481273.7	3768586	1.47E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
3533	481272.1	3768596	1.28E-01	0.00E+00	0.00E+00	1.27E-01	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00
3534	481270.5	3768606	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
3535	481262.3	3768615	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
3536	481275.6	3768617	9.54E-02	0.00E+00	0.00E+00	9.44E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00
3537	481260.7	3768624	8.98E-02	0.00E+00	0.00E+00	8.89E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00
3538	481274	3768626	8.39E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00
3539	481259.1	3768634	7.95E-02	0.00E+00	0.00E+00	7.87E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00
3540	481272.4	3768636	7.40E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
3541	481257.5	3768644	7.06E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00
3542	481270.9	3768646	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00
3543	481251.4	3768652	6.46E-02	0.00E+00	0.00E+00	6.39E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00
3544	481262.6	3768654	6.05E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
3545	481249.5	3768662	5.78E-02	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00

3546	481261	3768664	5.39E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
3547	481247.6	3768672	5.19E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
3548	481259.4	3768674	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
3549	481245.7	3768681	4.66E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
3550	481257.8	3768684	4.33E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
3551	481243.8	3768691	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3552	481256.2	3768693	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
3553	481241.9	3768701	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3554	481254.6	3768703	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
3555	481239.9	3768710	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3556	481253	3768713	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3557	481239.7	3768720	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
3558	481251.4	3768722	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
3559	481237.9	3768730	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
3560	481249.9	3768732	2.61E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
3561	481232.4	3768759	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3562	481220.4	3768756	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3563	481245.1	3768761	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3564	481230.6	3768769	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
3565	481218.1	3768766	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3566	481243.5	3768771	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3567	481228.7	3768778	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3568	481215.8	3768775	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
3569	481241.9	3768781	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3570	481228.2	3768788	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
3571	481217.5	3768786	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3572	481240.3	3768790	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
3573	481226.5	3768798	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3574	481215.3	3768795	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
3575	481238.7	3768800	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3576	481224.7	3768807	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3577	481213.1	3768805	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3578	481237.1	3768810	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3579	481222.9	3768817	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3580	481211	3768815	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3581	481235.5	3768819	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3582	481217.5	3768847	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3583	481204.4	3768844	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3584	481230.7	3768849	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3585	481213.2	3768876	9.08E-03	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
3586	481201.3	3768874	9.63E-03	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
3587	481225.8	3768879	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
3588	481207.9	3768906	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
3589	481195	3768903	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
3590	481182.2	3768900	8.64E-03	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00
3591	481221	3768908	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
3592	481203.5	3768936	6.57E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
3593	481191.7	3768933	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
3594	481179.8	3768930	7.25E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00
3595	481216.1	3768938	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
3596	481198.3	3768965	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00
3597	481185.6	3768962	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00
3598	481172.9	3768960	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3599	481211.3	3768968	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3600	481193.8	3768995	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
3601	481182	3768992	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
3602	481170.1	3768990	5.45E-03	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00
3603	481206.4	3768997	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3604	481176	3769022	4.65E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
3605	481163.5	3769019	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
3606	481191.9	3769086	3.50E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
3607	481173.8	3769113	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
3608	481160.7	3769110	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
3609	481147.5	3769107	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
3610	481134.4	3769105	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
3611	481187	3769116	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
3612	481294.7	3768560	2.22E-01	0.00E+00	0.00E+00	2.20E-01	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00
3613	481303.6	3768561	2.16E-01	0.00E+00	0.00E+00	2.14E-01	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00
3614	481293.3	3768570	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00
3615	481291.9	3768579	1.60E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
3616	481290.4	3768589	1.38E-01	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00
3617	481289	3768599	1.19E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00
3618	481287.6	3768609	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
3619	481286.2	3768618	9.04E-02	0.00E+00	0.00E+00	8.95E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00
3620	481284.7	3768628	7.92E-02	0.00E+00	0.00E+00	7.84E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00
3621	481283.3	3768638	6.97E-02	0.00E+00	0.00E+00	6.89E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00
3622	481281.9	3768647	6.15E-02	0.00E+00	0.00E+00	6.08E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00
3623	481271.6	3768656	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
3624	481289.3	3768658	5.15E-02	0.00E+00	0.00E+00	5.09E-02	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00
3625	481270.1	3768666	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
3626	481279	3768667	4.84E-02	0.00E+00	0.00E+00	4.78E-02	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00
3627	481268.7	3768675	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
3628	481277.6	3768677	4.31E-02	0.00E+00	0.00E+00	4.26E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
3629	481267.3	3768685	4.08E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00
3630	481276.2	3768686	3.86E-02	0.00E+00	0.00E+00	3.82E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
3631	481265.9	3768695	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
3632	481274.8	3768696	3.46E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
3633	481264.4	3768705	3.30E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
3634	481282.2	3768707	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
3635	481263	3768714	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3636	481280.8	3768717	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00

3637	481261.6	3768724	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00
3638	481279.4	3768727	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3639	481260.2	3768734	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
3640	481257.3	3768753	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
3641	481275.1	3768756	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3642	481255.9	3768763	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3643	481273.7	3768766	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
3644	481254.5	3768773	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3645	481272.2	3768775	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3646	481253	3768782	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3647	481270.8	3768785	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3648	481251.6	3768792	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
3649	481269.4	3768795	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
3650	481250.2	3768802	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3651	481268	3768805	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3652	481248.8	3768812	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
3653	481266.5	3768814	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3654	481247.3	3768821	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3655	481265.1	3768824	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3656	481243	3768851	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00
3657	481260.8	3768854	8.94E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
3658	481238.7	3768881	8.11E-03	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
3659	481256.4	3768883	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
3660	481234.3	3768910	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
3661	481252.1	3768913	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
3662	481230	3768940	5.97E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
3663	481238.8	3768941	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
3664	481225.6	3768970	5.23E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
3665	481243.4	3768972	4.96E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3666	481221.3	3768999	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
3667	481203.4	3769088	3.41E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
3668	481217.1	3769090	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
3669	481226	3769091	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
3670	481198.8	3769117	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
3671	481212.8	3769120	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
3672	481313.1	3768562	2.11E-01	0.00E+00	0.00E+00	2.09E-01	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00
3673	481304.9	3768571	1.80E-01	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00
3674	481319.6	3768573	1.71E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
3675	481304	3768581	1.53E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00
3676	481318.7	3768582	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
3677	481303.1	3768591	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3678	481317.8	3768592	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
3679	481302.3	3768601	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
3680	481317	3768602	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
3681	481301.4	3768610	9.65E-02	0.00E+00	0.00E+00	9.54E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00
3682	481316.1	3768612	8.94E-02	0.00E+00	0.00E+00	8.85E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00
3683	481300.5	3768620	8.36E-02	0.00E+00	0.00E+00	8.27E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
3684	481315.2	3768622	7.71E-02	0.00E+00	0.00E+00	7.63E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
3685	481299.6	3768630	7.27E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00
3686	481314.3	3768631	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
3687	481298.7	3768640	6.36E-02	0.00E+00	0.00E+00	6.29E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00
3688	481313.4	3768641	5.83E-02	0.00E+00	0.00E+00	5.77E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
3689	481297.9	3768650	5.57E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
3690	481312.6	3768651	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00
3691	481304.3	3768660	4.69E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
3692	481292	3768669	4.45E-02	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00
3693	481303.4	3768670	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
3694	481290.8	3768678	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
3695	481302.6	3768680	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3696	481289.7	3768688	3.53E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
3697	481301.7	3768689	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3698	481288.5	3768698	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
3699	481300.8	3768699	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
3700	481292.6	3768708	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
3701	481307.3	3768710	2.51E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3702	481291.7	3768718	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
3703	481306.4	3768720	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
3704	481290.8	3768728	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
3705	481305.5	3768729	2.06E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
3706	481288.2	3768757	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3707	481302.9	3768759	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
3708	481287.3	3768767	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3709	481302	3768769	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3710	481286.4	3768777	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3711	481301.1	3768778	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
3712	481280.6	3768786	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3713	481292.9	3768787	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
3714	481279.6	3768796	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3715	481292	3768797	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
3716	481278.5	3768806	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
3717	481291.1	3768807	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3718	481277.4	3768816	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3719	481290.3	3768817	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3720	481276.4	3768825	1.03E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3721	481289.4	3768827	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00
3722	481273.1	3768855	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00
3723	481286.7	3768857	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
3724	481269.9	3768885	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3725	481284	3768886	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
3726	481266.7	3768915	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
3727	481281.3	3768916	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00

3728	481265.4	3768945	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
3729	481253.6	3768943	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
3730	481278.7	3768946	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
3731	481262.3	3768975	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
3732	481276	3768976	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
3733	481254.5	3769064	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3734	481267.9	3769066	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
3735	481251.5	3769094	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3736	481238.8	3769093	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3737	481265.2	3769096	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
3738	481248.5	3769124	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
3739	481235.1	3769122	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
3740	481262.6	3769125	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
3741	481323.2	3768563	2.05E-01	0.00E+00	0.00E+00	2.03E-01	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
3742	481336.7	3768563	1.98E-01	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00
3743	481329.8	3768573	1.66E-01	0.00E+00	0.00E+00	1.65E-01	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00
3744	481343.3	3768573	1.59E-01	0.00E+00	0.00E+00	1.58E-01	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00
3745	481329.6	3768583	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
3746	481343.1	3768583	1.32E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00
3747	481329.4	3768593	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
3748	481342.9	3768593	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
3749	481329.2	3768602	9.86E-02	0.00E+00	0.00E+00	9.76E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
3750	481342.7	3768603	9.25E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
3751	481329	3768612	8.40E-02	0.00E+00	0.00E+00	8.31E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00
3752	481342.6	3768612	7.84E-02	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00
3753	481328.9	3768622	7.19E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
3754	481342.4	3768622	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
3755	481328.7	3768632	6.19E-02	0.00E+00	0.00E+00	6.12E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00
3756	481342.2	3768632	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
3757	481328.5	3768642	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
3758	481342	3768642	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
3759	481328.3	3768652	4.65E-02	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
3760	481341.8	3768652	4.30E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
3761	481316.5	3768661	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
3762	481328.1	3768661	4.07E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
3763	481341.6	3768662	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3764	481316	3768671	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
3765	481327.9	3768671	3.57E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3766	481341.4	3768671	3.30E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
3767	481315.4	3768681	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
3768	481327.7	3768681	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3769	481341.2	3768681	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3770	481314.9	3768690	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
3771	481327.5	3768691	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3772	481341	3768691	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3773	481314.4	3768700	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
3774	481327.3	3768701	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
3775	481340.8	3768701	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3776	481320.4	3768710	2.33E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
3777	481333.9	3768711	2.16E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3778	481315.6	3768720	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3779	481327	3768720	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
3780	481340.5	3768721	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3781	481315.2	3768730	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
3782	481326.8	3768730	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
3783	481340.3	3768730	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3784	481313.9	3768759	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
3785	481326.2	3768760	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3786	481339.7	3768760	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3787	481313.5	3768769	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3788	481326	3768770	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
3789	481339.5	3768770	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3790	481313.1	3768779	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3791	481325.8	3768779	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3792	481339.3	3768780	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
3793	481312.7	3768789	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
3794	481325.6	3768789	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3795	481339.1	3768790	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3796	481312.3	3768799	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3797	481325.4	3768799	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3798	481339	3768799	9.76E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00
3799	481311.8	3768808	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3800	481325.3	3768809	9.60E-03	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00
3801	481338.8	3768809	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
3802	481313.1	3768818	9.40E-03	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
3803	481302.8	3768818	9.80E-03	0.00E+00	0.00E+00	9.69E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00
3804	481325.1	3768819	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
3805	481338.6	3768819	8.58E-03	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
3806	481312.8	3768828	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
3807	481302.1	3768828	9.19E-03	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00
3808	481324.9	3768829	8.45E-03	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
3809	481338.4	3768829	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
3810	481311.7	3768858	7.38E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
3811	481299.9	3768858	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
3812	481324.3	3768859	7.10E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00
3813	481337.8	3768859	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
3814	481310.6	3768888	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
3815	481297.8	3768887	6.53E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3816	481323.7	3768889	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
3817	481337.2	3768889	5.87E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
3818	481310.9	3768918	5.43E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00

3819	481299.8	3768918	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
3820	481323.1	3768919	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
3821	481336.7	3768919	5.12E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
3822	481309.9	3768948	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
3823	481297.9	3768947	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3824	481322.6	3768949	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
3825	481336.1	3768949	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
3826	481296.1	3768977	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
3827	481320.8	3769039	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
3828	481334.3	3769039	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
3829	481307.1	3769068	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3830	481294.4	3769067	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
3831	481281.7	3769067	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
3832	481320.3	3769069	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3833	481333.8	3769069	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
3834	481306.2	3769098	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
3835	481292.8	3769097	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
3836	481279.3	3769097	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
3837	481319.7	3769099	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
3838	481333.2	3769099	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
3839	481306.3	3769128	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
3840	481294.2	3769127	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
3841	481282	3769127	2.68E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
3842	481319.1	3769129	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
3843	481332.6	3769129	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
3844	481353.3	3768563	1.89E-01	0.00E+00	0.00E+00	1.87E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
3845	481362.8	3768564	1.84E-01	0.00E+00	0.00E+00	1.82E-01	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00
3846	481372.3	3768564	1.77E-01	0.00E+00	0.00E+00	1.76E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
3847	481381.8	3768564	1.71E-01	0.00E+00	0.00E+00	1.69E-01	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00
3848	481391.3	3768564	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
3849	481400.9	3768564	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
3850	481410.4	3768564	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
3851	481419.9	3768564	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
3852	481429.4	3768564	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3853	481438.9	3768564	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
3854	481448.4	3768565	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
3855	481458	3768565	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
3856	481467.5	3768565	9.20E-02	0.00E+00	0.00E+00	9.11E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00
3857	481477	3768565	8.28E-02	0.00E+00	0.00E+00	8.20E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00
3858	481486.5	3768565	7.46E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
3859	481496	3768565	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3860	481505.6	3768565	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
3861	481515.1	3768565	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00
3862	481524.6	3768566	5.67E-02	0.00E+00	0.00E+00	5.61E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
3863	481353.1	3768573	1.54E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
3864	481362.7	3768573	1.48E-01	0.00E+00	0.00E+00	1.47E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
3865	481372.2	3768573	1.42E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00
3866	481381.7	3768574	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
3867	481391.2	3768574	1.30E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3868	481400.7	3768574	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
3869	481410.3	3768574	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
3870	481419.8	3768574	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
3871	481429.3	3768574	1.01E-01	0.00E+00	0.00E+00	9.99E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
3872	481438.8	3768574	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
3873	481448.3	3768574	8.57E-02	0.00E+00	0.00E+00	8.48E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00
3874	481457.8	3768575	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
3875	481467.4	3768575	7.12E-02	0.00E+00	0.00E+00	7.04E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00
3876	481476.9	3768575	6.47E-02	0.00E+00	0.00E+00	6.41E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00
3877	481486.4	3768575	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
3878	481495.9	3768575	5.50E-02	0.00E+00	0.00E+00	5.45E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00
3879	481505.4	3768575	5.18E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
3880	481514.9	3768575	4.94E-02	0.00E+00	0.00E+00	4.89E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
3881	481524.5	3768575	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
3882	481353	3768583	1.26E-01	0.00E+00	0.00E+00	1.25E-01	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00
3883	481362.5	3768583	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
3884	481372.1	3768583	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
3885	481381.6	3768583	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
3886	481391.1	3768584	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
3887	481400.6	3768584	9.84E-02	0.00E+00	0.00E+00	9.74E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00
3888	481410.1	3768584	9.22E-02	0.00E+00	0.00E+00	9.13E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00
3889	481419.6	3768584	8.60E-02	0.00E+00	0.00E+00	8.51E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00
3890	481429.2	3768584	7.98E-02	0.00E+00	0.00E+00	7.90E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
3891	481438.7	3768584	7.36E-02	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00
3892	481448.2	3768584	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
3893	481457.7	3768584	6.20E-02	0.00E+00	0.00E+00	6.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00
3894	481467.2	3768585	5.69E-02	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00
3895	481476.8	3768585	5.24E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
3896	481486.3	3768585	4.87E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
3897	481495.8	3768585	4.57E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
3898	481505.3	3768585	4.35E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
3899	481514.8	3768585	4.18E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00
3900	481524.3	3768585	4.03E-02	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00
3901	481352.9	3768593	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
3902	481362.4	3768593	1.00E-01	0.00E+00	0.00E+00	9.92E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
3903	481371.9	3768593	9.53E-02	0.00E+00	0.00E+00	9.43E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00
3904	481381.5	3768593	9.03E-02	0.00E+00	0.00E+00	8.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00
3905	481391	3768593	8.51E-02	0.00E+00	0.00E+00	8.42E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00
3906	481400.5	3768594	7.99E-02	0.00E+00	0.00E+00	7.90E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00
3907	481410	3768594	7.46E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
3908	481419.5	3768594	6.94E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00
3909	481429	3768594	6.43E-02	0.00E+00	0.00E+00	6.37E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00

3910	481438.6	3768594	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
3911	481448.1	3768594	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3912	481457.6	3768594	5.05E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00
3913	481467.1	3768594	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00
3914	481476.6	3768594	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
3915	481486.1	3768595	4.09E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
3916	481495.7	3768595	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
3917	481505.2	3768595	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3918	481514.7	3768595	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3919	481524.2	3768595	3.47E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
3920	481352.8	3768603	8.80E-02	0.00E+00	0.00E+00	8.71E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00
3921	481362.3	3768603	8.36E-02	0.00E+00	0.00E+00	8.28E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
3922	481371.8	3768603	7.92E-02	0.00E+00	0.00E+00	7.84E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
3923	481381.3	3768603	7.47E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00
3924	481390.8	3768603	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00
3925	481400.4	3768603	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
3926	481409.9	3768603	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
3927	481419.4	3768604	5.70E-02	0.00E+00	0.00E+00	5.64E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
3928	481428.9	3768604	5.28E-02	0.00E+00	0.00E+00	5.23E-02	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00
3929	481438.4	3768604	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
3930	481447.9	3768604	4.53E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
3931	481457.5	3768604	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3932	481467	3768604	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
3933	481476.5	3768604	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
3934	481486	3768604	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3935	481495.5	3768605	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3936	481505.1	3768605	3.22E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3937	481514.6	3768605	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3938	481524.1	3768605	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
3939	481352.7	3768613	7.43E-02	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
3940	481362.2	3768613	7.04E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00
3941	481371.7	3768613	6.64E-02	0.00E+00	0.00E+00	6.57E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
3942	481381.2	3768613	6.25E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
3943	481390.7	3768613	5.86E-02	0.00E+00	0.00E+00	5.80E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
3944	481400.2	3768613	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3945	481409.8	3768613	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
3946	481419.3	3768613	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
3947	481428.8	3768614	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
3948	481438.3	3768614	4.10E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00
3949	481447.8	3768614	3.82E-02	0.00E+00	0.00E+00	3.78E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00
3950	481457.3	3768614	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3951	481466.9	3768614	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
3952	481476.4	3768614	3.18E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3953	481485.9	3768614	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3954	481495.4	3768614	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3955	481504.9	3768615	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
3956	481514.4	3768615	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3957	481524	3768615	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3958	481352.5	3768622	6.31E-02	0.00E+00	0.00E+00	6.25E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
3959	481362	3768623	5.96E-02	0.00E+00	0.00E+00	5.90E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00
3960	481371.6	3768623	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
3961	481381.1	3768623	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
3962	481390.6	3768623	4.94E-02	0.00E+00	0.00E+00	4.89E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
3963	481400.1	3768623	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
3964	481409.6	3768623	4.31E-02	0.00E+00	0.00E+00	4.26E-02	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
3965	481419.1	3768623	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3966	481428.7	3768623	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
3967	481438.2	3768623	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3968	481447.7	3768624	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3969	481457.2	3768624	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3970	481466.7	3768624	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3971	481476.3	3768624	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
3972	481485.8	3768624	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
3973	481495.3	3768624	2.56E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
3974	481504.8	3768624	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
3975	481514.3	3768624	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3976	481523.8	3768625	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
3977	481352.4	3768632	5.40E-02	0.00E+00	0.00E+00	5.35E-02	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00
3978	481361.9	3768632	5.10E-02	0.00E+00	0.00E+00	5.04E-02	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00
3979	481371.4	3768632	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
3980	481381	3768633	4.50E-02	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00
3981	481390.5	3768633	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3982	481400	3768633	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00
3983	481409.5	3768633	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3984	481419	3768633	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
3985	481428.5	3768633	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3986	481438.1	3768633	3.02E-02	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
3987	481447.6	3768633	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
3988	481457.1	3768634	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
3989	481466.6	3768634	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3990	481476.1	3768634	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
3991	481485.6	3768634	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
3992	481495.2	3768634	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
3993	481504.7	3768634	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3994	481514.2	3768634	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3995	481523.7	3768634	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
3996	481352.3	3768642	4.65E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
3997	481361.8	3768642	4.38E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
3998	481371.3	3768642	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
3999	481380.8	3768642	3.87E-02	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00
4000	481390.3	3768643	3.62E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00

4001	481399.9	3768643	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
4002	481409.4	3768643	3.18E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
4003	481418.9	3768643	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
4004	481428.4	3768643	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
4005	481437.9	3768643	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
4006	481447.5	3768643	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
4007	481457	3768643	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
4008	481466.5	3768644	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
4009	481476	3768644	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4010	481485.5	3768644	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4011	481495	3768644	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4012	481504.6	3768644	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
4013	481514.1	3768644	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
4014	481523.6	3768644	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
4015	481352.2	3768652	4.03E-02	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00
4016	481361.7	3768652	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
4017	481371.2	3768652	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4018	481380.7	3768652	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4019	481390.2	3768652	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
4020	481399.7	3768653	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
4021	481409.3	3768653	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
4022	481418.8	3768653	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
4023	481428.3	3768653	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
4024	481437.8	3768653	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
4025	481447.3	3768653	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4026	481456.8	3768653	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
4027	481466.4	3768653	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
4028	481475.9	3768653	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
4029	481485.4	3768654	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4030	481494.9	3768654	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
4031	481504.4	3768654	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4032	481513.9	3768654	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
4033	481523.5	3768654	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4034	481352	3768662	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4035	481361.5	3768662	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00
4036	481371.1	3768662	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
4037	481380.6	3768662	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
4038	481390.1	3768662	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
4039	481399.6	3768662	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
4040	481409.1	3768662	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
4041	481418.6	3768663	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
4042	481428.2	3768663	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4043	481437.7	3768663	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
4044	481447.2	3768663	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
4045	481456.7	3768663	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4046	481466.2	3768663	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
4047	481475.8	3768663	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
4048	481485.3	3768663	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4049	481494.8	3768664	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4050	481504.3	3768664	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4051	481513.8	3768664	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4052	481523.3	3768664	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
4053	481351.9	3768672	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
4054	481361.4	3768672	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
4055	481370.9	3768672	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
4056	481380.5	3768672	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
4057	481390	3768672	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4058	481399.5	3768672	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
4059	481409	3768672	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
4060	481418.5	3768672	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4061	481428	3768673	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
4062	481437.6	3768673	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4063	481447.1	3768673	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4064	481456.6	3768673	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
4065	481466.1	3768673	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
4066	481475.6	3768673	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
4067	481485.1	3768673	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
4068	481494.7	3768673	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
4069	481504.2	3768674	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
4070	481513.7	3768674	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
4071	481523.2	3768674	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4072	481351.8	3768681	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
4073	481361.3	3768682	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
4074	481370.8	3768682	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4075	481380.3	3768682	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
4076	481389.8	3768682	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
4077	481399.4	3768682	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4078	481408.9	3768682	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4079	481418.4	3768682	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
4080	481427.9	3768682	1.77E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
4081	481437.4	3768683	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4082	481447	3768683	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4083	481456.5	3768683	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
4084	481466	3768683	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
4085	481475.5	3768683	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4086	481485	3768683	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4087	481494.5	3768683	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
4088	481504.1	3768683	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4089	481513.6	3768683	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4090	481351.7	3768691	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
4091	481361.2	3768691	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00

4092	481370.7	3768692	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
4093	481380.2	3768692	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4094	481389.7	3768692	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4095	481399.2	3768692	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
4096	481408.8	3768692	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
4097	481418.3	3768692	1.68E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
4098	481427.8	3768692	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
4099	481437.3	3768692	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4100	481446.8	3768692	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
4101	481456.3	3768693	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4102	481465.9	3768693	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
4103	481475.4	3768693	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
4104	481484.9	3768693	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4105	481494.4	3768693	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4106	481503.9	3768693	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
4107	481513.4	3768693	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4108	481351.5	3768701	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
4109	481361	3768701	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4110	481370.6	3768701	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4111	481380.1	3768701	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
4112	481389.6	3768702	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
4113	481399.1	3768702	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4114	481408.6	3768702	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4115	481418.2	3768702	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4116	481427.7	3768702	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4117	481437.2	3768702	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
4118	481446.7	3768702	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4119	481456.2	3768702	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4120	481465.7	3768703	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4121	481475.3	3768703	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4122	481484.8	3768703	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4123	481494.3	3768703	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4124	481503.8	3768703	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4125	481513.3	3768703	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
4126	481351.4	3768711	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4127	481360.9	3768711	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
4128	481370.4	3768711	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
4129	481380	3768711	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4130	481389.5	3768711	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4131	481399	3768712	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
4132	481408.5	3768712	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4133	481418	3768712	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4134	481427.5	3768712	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
4135	481437.1	3768712	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
4136	481446.6	3768712	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
4137	481456.1	3768712	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4138	481465.6	3768712	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4139	481475.1	3768713	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4140	481484.6	3768713	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4141	481494.2	3768713	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4142	481503.7	3768713	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4143	481513.2	3768713	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4144	481351.3	3768721	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
4145	481360.8	3768721	1.68E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
4146	481370.3	3768721	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4147	481379.8	3768721	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
4148	481389.4	3768721	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4149	481398.9	3768721	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
4150	481408.4	3768722	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4151	481417.9	3768722	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4152	481427.4	3768722	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
4153	481436.9	3768722	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4154	481446.5	3768722	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4155	481456	3768722	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4156	481465.5	3768722	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4157	481475	3768722	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4158	481484.5	3768722	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4159	481494	3768723	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
4160	481503.6	3768723	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4161	481513.1	3768723	1.00E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4162	481351.2	3768731	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4163	481360.7	3768731	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4164	481370.2	3768731	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4165	481379.7	3768731	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
4166	481389.2	3768731	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4167	481398.7	3768731	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4168	481408.3	3768731	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4169	481417.8	3768731	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4170	481427.3	3768732	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4171	481436.8	3768732	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4172	481446.3	3768732	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4173	481455.8	3768732	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4174	481465.4	3768732	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
4175	481474.9	3768732	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
4176	481484.4	3768732	9.96E-03	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4177	481493.9	3768732	9.76E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00
4178	481503.4	3768733	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00
4179	481513	3768733	9.39E-03	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
4180	481350.8	3768760	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4181	481360.3	3768760	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4182	481369.8	3768760	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00

4183	481379.3	3768761	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4184	481388.9	3768761	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4185	481398.4	3768761	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4186	481407.9	3768761	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4187	481417.4	3768761	9.77E-03	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
4188	481426.9	3768761	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
4189	481436.4	3768761	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00
4190	481446	3768761	9.01E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00
4191	481455.5	3768761	8.81E-03	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00
4192	481465	3768762	8.62E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
4193	481474.5	3768762	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
4194	481484	3768762	8.27E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
4195	481493.5	3768762	8.11E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
4196	481503.1	3768762	7.97E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4197	481512.6	3768762	7.83E-03	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00
4198	481350.7	3768770	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
4199	481360.2	3768770	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4200	481369.7	3768770	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4201	481379.2	3768770	1.04E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4202	481388.7	3768770	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4203	481398.2	3768771	9.71E-03	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
4204	481407.8	3768771	9.42E-03	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
4205	481417.3	3768771	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
4206	481426.8	3768771	8.92E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00
4207	481436.3	3768771	8.70E-03	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
4208	481445.8	3768771	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00
4209	481455.3	3768771	8.30E-03	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
4210	481464.9	3768771	8.13E-03	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
4211	481474.4	3768772	7.97E-03	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4212	481483.9	3768772	7.82E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00
4213	481493.4	3768772	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
4214	481502.9	3768772	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
4215	481512.5	3768772	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00
4216	481350.5	3768780	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4217	481360.1	3768780	1.04E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4218	481369.6	3768780	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4219	481379.1	3768780	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00
4220	481388.6	3768780	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
4221	481398.1	3768780	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
4222	481407.6	3768781	8.86E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00
4223	481417.2	3768781	8.63E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00
4224	481426.7	3768781	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
4225	481436.2	3768781	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
4226	481445.7	3768781	8.02E-03	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00
4227	481455.2	3768781	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
4228	481464.7	3768781	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
4229	481474.3	3768781	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
4230	481483.8	3768782	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00
4231	481493.3	3768782	7.26E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
4232	481502.8	3768782	7.13E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4233	481512.3	3768782	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
4234	481350.4	3768790	1.00E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4235	481359.9	3768790	9.67E-03	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00
4236	481369.4	3768790	9.36E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00
4237	481379	3768790	9.08E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
4238	481388.5	3768790	8.81E-03	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00
4239	481398	3768790	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
4240	481407.5	3768790	8.34E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00
4241	481417	3768791	8.14E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
4242	481426.5	3768791	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00
4243	481436.1	3768791	7.75E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00
4244	481445.6	3768791	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
4245	481455.1	3768791	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
4246	481464.6	3768791	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00
4247	481474.1	3768791	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00
4248	481483.7	3768791	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
4249	481493.2	3768791	6.89E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
4250	481502.7	3768792	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
4251	481512.2	3768792	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00
4252	481350.3	3768799	9.37E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00
4253	481359.8	3768800	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
4254	481369.3	3768800	8.79E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
4255	481378.8	3768800	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
4256	481388.4	3768800	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
4257	481397.9	3768800	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
4258	481407.4	3768800	7.88E-03	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
4259	481416.9	3768800	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
4260	481426.4	3768800	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
4261	481435.9	3768801	7.34E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
4262	481445.5	3768801	7.19E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
4263	481455	3768801	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
4264	481464.5	3768801	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
4265	481474	3768801	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
4266	481483.5	3768801	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
4267	481493	3768801	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
4268	481502.6	3768801	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
4269	481512.1	3768802	6.33E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
4270	481350.2	3768809	8.79E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
4271	481359.7	3768809	8.52E-03	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00
4272	481369.2	3768810	8.28E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00
4273	481378.7	3768810	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00

4274	481388.2	3768810	7.84E-03	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
4275	481397.7	3768810	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
4276	481407.3	3768810	7.46E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
4277	481416.8	3768810	7.28E-03	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00
4278	481426.3	3768810	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
4279	481435.8	3768810	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
4280	481445.3	3768811	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
4281	481454.9	3768811	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4282	481464.4	3768811	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
4283	481473.9	3768811	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
4284	481483.4	3768811	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
4285	481492.9	3768811	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
4286	481502.4	3768811	6.13E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
4287	481512	3768811	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
4288	481350	3768819	8.27E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
4289	481359.6	3768819	8.03E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00
4290	481369.1	3768819	7.81E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00
4291	481378.6	3768820	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
4292	481388.1	3768820	7.41E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
4293	481397.6	3768820	7.23E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00
4294	481407.1	3768820	7.07E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
4295	481416.7	3768820	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
4296	481426.2	3768820	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
4297	481435.7	3768820	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
4298	481445.2	3768820	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
4299	481454.7	3768820	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
4300	481464.2	3768821	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
4301	481473.8	3768821	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
4302	481483.3	3768821	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
4303	481492.8	3768821	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
4304	481502.3	3768821	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
4305	481511.8	3768821	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4306	481349.9	3768829	7.80E-03	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00
4307	481359.4	3768829	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
4308	481368.9	3768829	7.39E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
4309	481378.5	3768829	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
4310	481388	3768829	7.03E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
4311	481397.5	3768830	6.86E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00
4312	481407	3768830	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
4313	481416.5	3768830	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
4314	481426	3768830	6.43E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
4315	481435.6	3768830	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
4316	481445.1	3768830	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
4317	481454.6	3768830	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
4318	481464.1	3768830	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
4319	481473.6	3768831	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
4320	481483.2	3768831	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
4321	481492.7	3768831	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
4322	481502.2	3768831	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
4323	481511.7	3768831	5.50E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
4324	481349.5	3768859	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
4325	481359	3768859	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
4326	481368.6	3768859	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
4327	481378.1	3768859	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
4328	481387.6	3768859	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
4329	481397.1	3768860	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
4330	481406.6	3768860	5.80E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
4331	481416.2	3768860	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00
4332	481425.7	3768860	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
4333	481435.2	3768860	5.47E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
4334	481444.7	3768860	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
4335	481454.2	3768860	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
4336	481463.7	3768860	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
4337	481473.3	3768861	5.12E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
4338	481482.8	3768861	5.04E-03	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00
4339	481492.3	3768861	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
4340	481501.8	3768861	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
4341	481511.3	3768861	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
4342	481349.2	3768889	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
4343	481358.7	3768889	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
4344	481368.2	3768889	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
4345	481377.7	3768889	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
4346	481387.2	3768889	5.26E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00
4347	481396.7	3768890	5.16E-03	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
4348	481406.3	3768890	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
4349	481415.8	3768890	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
4350	481425.3	3768890	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
4351	481434.8	3768890	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
4352	481444.3	3768890	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00
4353	481453.8	3768890	4.65E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00
4354	481463.4	3768890	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00
4355	481472.9	3768891	4.51E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
4356	481482.4	3768891	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00
4357	481491.9	3768891	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
4358	481501.4	3768891	4.32E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
4359	481510.9	3768891	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00
4360	481348.8	3768919	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
4361	481358.3	3768919	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
4362	481367.8	3768919	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
4363	481377.3	3768919	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
4364	481386.8	3768919	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00

4365	481396.4	3768920	4.55E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
4366	481405.9	3768920	4.48E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
4367	481415.4	3768920	4.40E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
4368	481424.9	3768920	4.33E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
4369	481434.4	3768920	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00
4370	481443.9	3768920	4.20E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
4371	481453.5	3768920	4.14E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
4372	481463	3768920	4.08E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
4373	481472.5	3768921	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00
4374	481348.4	3768949	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
4375	481357.9	3768949	4.33E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
4376	481367.4	3768949	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
4377	481376.9	3768949	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
4378	481386.5	3768949	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
4379	481490.8	3768981	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4380	481500.3	3768981	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
4381	481509.8	3768981	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
4382	481519.3	3768981	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4383	481404.7	3769010	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00
4384	481414.3	3769010	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
4385	481423.8	3769010	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
4386	481433.3	3769010	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
4387	481442.8	3769010	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
4388	481452.3	3769010	3.04E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
4389	481461.8	3769010	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
4390	481471.4	3769011	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
4391	481480.9	3769011	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
4392	481490.4	3769011	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4393	481499.9	3769011	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
4394	481509.4	3769011	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
4395	481518.9	3769011	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
4396	481347.3	3769039	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4397	481356.8	3769039	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
4398	481366.3	3769039	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
4399	481375.8	3769039	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4400	481385.3	3769039	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
4401	481394.8	3769040	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4402	481404.4	3769040	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4403	481413.9	3769040	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
4404	481423.4	3769040	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
4405	481432.9	3769040	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
4406	481442.4	3769040	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
4407	481451.9	3769040	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4408	481461.5	3769040	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4409	481471	3769041	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
4410	481480.5	3769041	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
4411	481490	3769041	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
4412	481499.5	3769041	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
4413	481509	3769041	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
4414	481518.6	3769041	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4415	481346.9	3769069	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
4416	481356.4	3769069	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
4417	481365.9	3769069	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
4418	481375.4	3769069	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
4419	481384.9	3769069	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4420	481394.5	3769070	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
4421	481404	3769070	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
4422	481413.5	3769070	2.66E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
4423	481423	3769070	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
4424	481432.5	3769070	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4425	481442	3769070	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
4426	481451.6	3769070	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
4427	481461.1	3769070	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4428	481470.6	3769071	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
4429	481480.1	3769071	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
4430	481489.6	3769071	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4431	481499.1	3769071	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4432	481508.7	3769071	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
4433	481518.2	3769071	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4434	481346.5	3769099	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
4435	481356	3769099	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
4436	481365.5	3769099	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4437	481375	3769099	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
4438	481384.6	3769099	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
4439	481394.1	3769100	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
4440	481403.6	3769100	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
4441	481413.1	3769100	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
4442	481422.6	3769100	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4443	481432.1	3769100	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4444	481441.7	3769100	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4445	481451.2	3769100	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4446	481460.7	3769100	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4447	481470.2	3769101	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4448	481479.7	3769101	2.27E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4449	481489.3	3769101	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
4450	481498.8	3769101	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
4451	481508.3	3769101	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
4452	481517.8	3769101	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
4453	481346.1	3769129	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
4454	481355.6	3769129	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4455	481365.1	3769129	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00

4456	481374.7	3769129	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4457	481384.2	3769129	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4458	481393.7	3769130	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4459	481403.2	3769130	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4460	481412.7	3769130	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
4461	481422.3	3769130	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
4462	481431.8	3769130	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
4463	481441.3	3769130	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
4464	481450.8	3769130	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
4465	481460.3	3769130	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4466	481469.8	3769131	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
4467	481479.4	3769131	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
4468	481488.9	3769131	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4469	481498.4	3769131	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
4470	481507.9	3769131	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4471	481517.4	3769131	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4472	481550.8	3768565	5.12E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
4473	481558	3768572	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
4474	481549.6	3768575	4.33E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
4475	481576.7	3768567	4.34E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00
4476	481565.1	3768579	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
4477	481548.8	3768585	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
4478	481586.9	3768567	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4479	481572.2	3768586	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
4480	481556.1	3768592	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
4481	481598.5	3768563	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4482	481594.7	3768572	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
4483	481590.9	3768581	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
4484	481578.1	3768593	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
4485	481569	3768597	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
4486	481560	3768600	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
4487	481551	3768604	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
4488	481608.7	3768562	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
4489	481605	3768570	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
4490	481601.3	3768579	3.35E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4491	481597.6	3768588	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
4492	481585.2	3768600	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
4493	481576.4	3768603	2.66E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
4494	481567.7	3768607	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
4495	481558.9	3768611	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
4496	481550.1	3768614	2.49E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
4497	481618.9	3768561	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
4498	481615.3	3768569	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4499	481611.7	3768578	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
4500	481608.1	3768586	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
4501	481604.4	3768595	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
4502	481592.3	3768607	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
4503	481583.7	3768610	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
4504	481575.1	3768614	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
4505	481566.6	3768617	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
4506	481558	3768621	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
4507	481549.4	3768624	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4508	481629	3768560	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
4509	481621.9	3768577	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
4510	481614.8	3768594	2.68E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
4511	481611.3	3768602	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
4512	481599.3	3768614	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4513	481590.9	3768617	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4514	481582.5	3768621	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
4515	481574.1	3768624	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4516	481565.7	3768627	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
4517	481557.2	3768631	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
4518	481548.8	3768634	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
4519	481643.6	3768467	7.43E-02	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00
4520	481643.7	3768457	7.74E-02	0.00E+00	0.00E+00	7.66E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00
4521	481643.7	3768447	7.99E-02	0.00E+00	0.00E+00	7.91E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00
4522	481643.8	3768437	8.18E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00
4523	481643.9	3768427	8.31E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00
4524	481644	3768417	8.37E-02	0.00E+00	0.00E+00	8.28E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00
4525	481644	3768407	8.36E-02	0.00E+00	0.00E+00	8.27E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
4526	481644.1	3768397	8.28E-02	0.00E+00	0.00E+00	8.19E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00
4527	481644.2	3768387	8.13E-02	0.00E+00	0.00E+00	8.04E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00
4528	481637.6	3768563	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
4529	481633.8	3768572	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
4530	481630	3768581	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
4531	481626.1	3768590	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
4532	481622.3	3768599	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
4533	481618.5	3768609	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
4534	481605.5	3768621	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
4535	481596.4	3768625	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
4536	481587.3	3768629	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4537	481578.2	3768632	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
4538	481559.9	3768639	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
4539	481550.8	3768643	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
4540	481653.4	3768467	6.90E-02	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00
4541	481653.5	3768457	7.17E-02	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00
4542	481653.6	3768447	7.40E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
4543	481653.6	3768437	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
4544	481653.7	3768427	7.70E-02	0.00E+00	0.00E+00	7.62E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00
4545	481653.8	3768417	7.76E-02	0.00E+00	0.00E+00	7.68E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00
4546	481653.9	3768407	7.76E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00

4547	481653.9	3768397	7.69E-02	0.00E+00	0.00E+00	7.61E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00
4548	481654	3768387	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
4549	481644	3768571	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
4550	481640.3	3768580	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
4551	481636.5	3768589	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
4552	481632.8	3768598	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4553	481629	3768607	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
4554	481625.3	3768616	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4555	481612.6	3768628	1.86E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
4556	481603.7	3768632	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
4557	481594.7	3768635	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4558	481585.8	3768639	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
4559	481576.9	3768642	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
4560	481568	3768646	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4561	481559	3768650	1.66E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
4562	481550.1	3768653	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4563	481663.3	3768467	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
4564	481663.3	3768457	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
4565	481663.4	3768447	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
4566	481663.5	3768437	7.05E-02	0.00E+00	0.00E+00	6.97E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00
4567	481663.6	3768427	7.16E-02	0.00E+00	0.00E+00	7.08E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00
4568	481663.6	3768417	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
4569	481663.7	3768407	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
4570	481663.8	3768397	7.17E-02	0.00E+00	0.00E+00	7.09E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00
4571	481663.8	3768388	7.07E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
4572	481654.2	3768571	3.03E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
4573	481650.5	3768579	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
4574	481646.8	3768588	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
4575	481643.1	3768597	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
4576	481639.5	3768606	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4577	481635.8	3768614	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4578	481632.1	3768623	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
4579	481619.6	3768635	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4580	481610.9	3768639	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
4581	481602.1	3768642	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
4582	481593.3	3768646	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
4583	481584.6	3768649	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4584	481575.8	3768653	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
4585	481567	3768656	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4586	481558.3	3768660	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
4587	481549.5	3768663	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4588	481673.1	3768467	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
4589	481673.2	3768457	6.22E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
4590	481673.2	3768447	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
4591	481673.3	3768437	6.56E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00
4592	481673.4	3768428	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
4593	481673.5	3768418	6.73E-02	0.00E+00	0.00E+00	6.66E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00
4594	481673.5	3768408	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00
4595	481673.6	3768398	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
4596	481673.7	3768388	6.61E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00
4597	481664.3	3768570	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
4598	481660.7	3768579	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
4599	481657.1	3768587	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
4600	481653.4	3768596	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
4601	481649.8	3768604	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
4602	481646.2	3768613	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
4603	481642.5	3768622	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4604	481638.9	3768630	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
4605	481626.6	3768642	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4606	481618	3768646	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
4607	481609.4	3768649	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4608	481600.8	3768652	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
4609	481592.1	3768656	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4610	481583.5	3768659	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
4611	481574.9	3768663	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4612	481566.2	3768666	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4613	481557.6	3768670	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4614	481549	3768673	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4615	481683.4	3768408	6.30E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
4616	481683.5	3768398	6.27E-02	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00
4617	481683.5	3768388	6.20E-02	0.00E+00	0.00E+00	6.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00
4618	481673	3768573	2.76E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
4619	481669.2	3768582	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
4620	481665.3	3768591	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
4621	481661.5	3768600	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
4622	481657.6	3768609	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4623	481653.7	3768618	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
4624	481649.9	3768627	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
4625	481646	3768637	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
4626	481633	3768649	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4627	481623.8	3768653	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
4628	481614.7	3768657	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
4629	481605.5	3768660	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4630	481596.3	3768664	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4631	481587.2	3768668	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4632	481578	3768671	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
4633	481568.8	3768675	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4634	481559.6	3768679	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4635	481550.5	3768682	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4636	481693.2	3768408	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
4637	481693.3	3768398	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00

4638	481693.4	3768388	5.83E-02	0.00E+00	0.00E+00	5.77E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00
4639	481679.4	3768581	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
4640	481675.6	3768590	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
4641	481671.8	3768599	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
4642	481668	3768608	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
4643	481664.2	3768617	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4644	481660.4	3768626	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
4645	481656.6	3768635	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4646	481652.8	3768644	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4647	481640	3768656	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4648	481631	3768660	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4649	481622	3768664	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
4650	481613	3768667	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4651	481604	3768671	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4652	481595	3768674	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
4653	481585.9	3768678	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4654	481576.9	3768682	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
4655	481567.9	3768685	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4656	481558.9	3768689	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4657	481549.9	3768692	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4658	481703.1	3768408	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
4659	481703.1	3768398	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
4660	481703.2	3768388	5.50E-02	0.00E+00	0.00E+00	5.44E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00
4661	481689.6	3768580	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4662	481685.8	3768589	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
4663	481682.1	3768598	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
4664	481678.4	3768607	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
4665	481674.6	3768616	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
4666	481670.9	3768624	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4667	481667.2	3768633	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4668	481663.4	3768642	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
4669	481659.7	3768651	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4670	481647.1	3768663	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4671	481638.2	3768667	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4672	481629.3	3768670	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4673	481620.4	3768674	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4674	481611.5	3768678	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
4675	481602.7	3768681	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4676	481593.8	3768685	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4677	481584.9	3768688	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4678	481576	3768692	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4679	481567.1	3768695	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4680	481558.2	3768699	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4681	481549.4	3768702	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4682	481712.9	3768408	5.44E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.88E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
4683	481713	3768398	5.43E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00
4684	481713	3768388	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
4685	481696	3768588	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4686	481692.3	3768597	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
4687	481688.7	3768606	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4688	481685	3768615	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
4689	481681.3	3768623	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4690	481677.6	3768632	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4691	481673.9	3768641	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4692	481670.2	3768649	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4693	481666.5	3768658	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4694	481654.1	3768670	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4695	481645.3	3768674	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4696	481636.5	3768677	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4697	481627.8	3768681	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4698	481619	3768684	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4699	481610.2	3768688	1.11E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
4700	481601.5	3768691	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4701	481592.7	3768695	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4702	481583.9	3768698	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4703	481575.2	3768702	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
4704	481566.4	3768705	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4705	481557.7	3768709	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4706	481548.9	3768712	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
4707	481722.7	3768408	5.15E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
4708	481722.8	3768398	5.15E-02	0.00E+00	0.00E+00	5.09E-02	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00
4709	481722.9	3768388	5.11E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
4710	481704.6	3768592	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4711	481700.7	3768601	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
4712	481693	3768619	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4713	481689.1	3768628	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4714	481685.2	3768637	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4715	481681.3	3768646	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4716	481677.5	3768656	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4717	481673.6	3768665	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4718	481660.5	3768677	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4719	481651.3	3768681	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
4720	481642.1	3768685	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4721	481632.9	3768689	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4722	481623.7	3768692	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
4723	481614.5	3768696	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4724	481605.3	3768700	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4725	481596.1	3768703	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4726	481586.9	3768707	9.93E-03	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4727	481577.7	3768711	9.81E-03	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00
4728	481559.3	3768718	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00

4729	481550.1	3768722	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
4730	481732.6	3768408	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
4731	481732.6	3768398	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
4732	481732.7	3768388	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
4733	481714.8	3768591	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
4734	481711	3768600	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
4735	481707.2	3768609	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
4736	481703.3	3768618	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4737	481699.5	3768627	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4738	481695.7	3768636	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4739	481691.9	3768645	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4740	481688.1	3768654	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4741	481684.2	3768663	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4742	481680.4	3768672	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4743	481667.5	3768684	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
4744	481658.5	3768688	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4745	481649.4	3768692	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4746	481640.3	3768695	1.01E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4747	481631.2	3768699	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4748	481622.2	3768703	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
4749	481613.1	3768706	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
4750	481604	3768710	9.50E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
4751	481594.9	3768714	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
4752	481585.9	3768717	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
4753	481576.8	3768721	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
4754	481567.7	3768724	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
4755	481558.6	3768728	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00
4756	481549.6	3768732	8.88E-03	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00
4757	481741.9	3768478	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
4758	481742	3768468	4.09E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00
4759	481742	3768458	4.23E-02	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
4760	481742.1	3768448	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
4761	481742.2	3768438	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
4762	481742.3	3768428	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
4763	481742.3	3768418	4.60E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
4764	481742.4	3768408	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00
4765	481742.5	3768398	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
4766	481742.6	3768388	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
4767	481721.2	3768599	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4768	481717.4	3768608	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
4769	481713.7	3768617	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4770	481709.9	3768626	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
4771	481706.1	3768634	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4772	481702.3	3768643	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4773	481698.6	3768652	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4774	481694.8	3768661	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4775	481691	3768670	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4776	481687.3	3768679	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4777	481674.5	3768691	9.93E-03	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4778	481665.6	3768695	9.79E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00
4779	481656.6	3768699	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
4780	481647.7	3768702	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
4781	481638.7	3768706	9.37E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00
4782	481629.7	3768709	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00
4783	481620.8	3768713	9.12E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
4784	481611.8	3768717	9.00E-03	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
4785	481602.9	3768720	8.88E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00
4786	481593.9	3768724	8.78E-03	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00
4787	481584.9	3768727	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
4788	481576	3768731	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
4789	481567	3768735	8.51E-03	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00
4790	481751.7	3768478	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
4791	481751.8	3768468	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
4792	481751.9	3768458	4.03E-02	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00
4793	481752	3768448	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
4794	481752	3768438	4.25E-02	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00
4795	481752.1	3768428	4.32E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
4796	481752.2	3768418	4.38E-02	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
4797	481752.2	3768408	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
4798	481752.3	3768398	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
4799	481752.4	3768388	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00
4800	481750	3768554	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4801	481746.3	3768563	2.32E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
4802	481731.4	3768598	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
4803	481727.7	3768607	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
4804	481723.9	3768616	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
4805	481720.2	3768625	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4806	481716.5	3768633	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
4807	481712.7	3768642	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4808	481709	3768651	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4809	481705.3	3768660	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4810	481701.6	3768668	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4811	481697.8	3768677	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4812	481694.1	3768686	1.01E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4813	481681.5	3768698	9.37E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00
4814	481672.7	3768702	9.24E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00
4815	481663.8	3768705	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
4816	481654.9	3768709	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00
4817	481646.1	3768713	8.87E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00
4818	481637.2	3768716	8.76E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
4819	481628.4	3768720	8.65E-03	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00

4820	481619.5	3768723	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
4821	481610.7	3768727	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
4822	481601.8	3768730	8.33E-03	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
4823	481592.9	3768734	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
4824	481584.1	3768737	8.16E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
4825	481761.6	3768478	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4826	481761.6	3768468	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
4827	481761.7	3768458	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
4828	481761.8	3768448	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00
4829	481761.9	3768438	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
4830	481761.9	3768428	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
4831	481762	3768418	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
4832	481762.1	3768408	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
4833	481762.2	3768398	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
4834	481762.2	3768388	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4835	481755.5	3768565	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4836	481740	3768601	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
4837	481736.1	3768610	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4838	481732.2	3768620	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
4839	481728.3	3768629	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4840	481724.4	3768638	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4841	481720.6	3768647	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4842	481716.7	3768656	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
4843	481712.8	3768665	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4844	481708.9	3768674	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4845	481705	3768684	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
4846	481701.1	3768693	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
4847	481688	3768706	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
4848	481678.8	3768709	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
4849	481669.6	3768713	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00
4850	481660.4	3768717	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00
4851	481651.1	3768720	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4852	481641.9	3768724	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
4853	481632.7	3768728	8.17E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
4854	481623.5	3768731	8.07E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00
4855	481614.2	3768735	7.97E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4856	481568.1	3768754	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
4857	481558.9	3768757	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00
4858	481549.6	3768761	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
4859	481771.3	3768488	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
4860	481771.4	3768478	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
4861	481771.5	3768468	3.54E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00
4862	481771.6	3768458	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
4863	481771.6	3768448	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
4864	481771.7	3768438	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
4865	481771.8	3768428	3.93E-02	0.00E+00	0.00E+00	3.89E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
4866	481771.9	3768418	3.98E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
4867	481771.9	3768408	4.02E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
4868	481772	3768398	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
4869	481772.1	3768388	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
4870	481765.5	3768564	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4871	481746.4	3768609	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
4872	481742.5	3768618	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4873	481738.7	3768628	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
4874	481734.8	3768637	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4875	481731	3768646	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4876	481727.2	3768655	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4877	481723.3	3768664	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4878	481719.5	3768673	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4879	481715.7	3768682	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4880	481711.8	3768691	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
4881	481708	3768700	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
4882	481695	3768713	8.39E-03	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00
4883	481685.9	3768716	8.28E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00
4884	481676.8	3768720	8.17E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
4885	481667.7	3768724	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
4886	481658.6	3768727	7.95E-03	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00
4887	481649.5	3768731	7.86E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00
4888	481640.3	3768734	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
4889	481594.8	3768753	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00
4890	481585.7	3768756	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
4891	481576.5	3768760	7.20E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
4892	481567.4	3768764	7.14E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4893	481558.3	3768767	7.08E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00
4894	481549.2	3768771	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
4895	481781.2	3768488	3.13E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
4896	481781.3	3768478	3.26E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
4897	481781.3	3768468	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
4898	481781.4	3768458	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
4899	481781.5	3768448	3.60E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00
4900	481781.5	3768438	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
4901	481781.6	3768428	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
4902	481781.7	3768418	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
4903	481781.8	3768408	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
4904	481781.8	3768398	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00
4905	481781.9	3768388	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
4906	481775.5	3768564	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4907	481771.7	3768573	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
4908	481756.6	3768609	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
4909	481752.8	3768618	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
4910	481749	3768627	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00

4911	481745.2	3768635	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4912	481741.4	3768644	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4913	481737.6	3768653	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4914	481733.8	3768662	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4915	481730	3768671	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4916	481726.2	3768680	1.01E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4917	481722.4	3768689	9.51E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00
4918	481718.6	3768698	8.47E-03	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00
4919	481714.8	3768707	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00
4920	481702	3768720	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4921	481693	3768723	7.87E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
4922	481684	3768727	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
4923	481675	3768730	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00
4924	481666	3768734	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
4925	481611.9	3768756	7.07E-03	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00
4926	481602.9	3768759	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
4927	481593.8	3768763	6.93E-03	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
4928	481584.8	3768767	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
4929	481575.8	3768770	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
4930	481566.8	3768774	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4931	481557.8	3768777	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
4932	481548.8	3768781	6.67E-03	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
4933	481791	3768488	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
4934	481791.1	3768478	3.13E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
4935	481791.2	3768468	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
4936	481791.2	3768458	3.35E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4937	481791.3	3768448	3.44E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
4938	481791.4	3768438	3.52E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4939	481791.5	3768428	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
4940	481791.5	3768418	3.64E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
4941	481791.6	3768408	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00
4942	481791.7	3768398	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
4943	481791.7	3768388	3.67E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
4944	481781.8	3768572	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
4945	481766.8	3768608	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
4946	481763	3768617	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4947	481759.2	3768626	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4948	481755.5	3768634	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4949	481751.7	3768643	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4950	481748	3768652	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4951	481744.2	3768661	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
4952	481740.5	3768670	9.98E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4953	481736.7	3768679	9.44E-03	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00
4954	481732.9	3768688	8.93E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
4955	481729.2	3768696	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
4956	481725.4	3768705	7.99E-03	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00
4957	481721.7	3768714	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
4958	481709	3768727	7.19E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
4959	481700.1	3768730	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4960	481691.2	3768734	7.39E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00
4961	481637.6	3768755	6.90E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
4962	481628.7	3768759	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
4963	481619.8	3768762	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4964	481610.8	3768766	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4965	481601.9	3768769	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
4966	481593	3768773	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
4967	481584.1	3768777	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
4968	481575.1	3768780	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
4969	481566.2	3768784	6.41E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
4970	481557.3	3768787	6.37E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
4971	481548.4	3768791	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
4972	481800.8	3768498	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
4973	481800.9	3768488	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
4974	481800.9	3768478	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
4975	481801	3768468	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
4976	481801.1	3768458	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
4977	481801.1	3768448	3.30E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
4978	481801.2	3768438	3.37E-02	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
4979	481801.3	3768428	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
4980	481801.4	3768418	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
4981	481801.4	3768408	3.51E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4982	481801.5	3768399	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
4983	481801.6	3768389	3.52E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4984	481790.9	3768574	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
4985	481775.4	3768611	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
4986	481771.5	3768620	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
4987	481767.6	3768629	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4988	481763.7	3768638	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4989	481759.8	3768647	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4990	481755.9	3768657	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4991	481752	3768666	1.00E-02	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4992	481748.2	3768675	9.48E-03	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
4993	481744.3	3768684	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00
4994	481740.4	3768693	8.48E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00
4995	481736.5	3768702	8.03E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
4996	481732.6	3768712	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
4997	481728.7	3768721	7.23E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00
4998	481715.6	3768734	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
4999	481660.1	3768756	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
5000	481650.9	3768760	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
5001	481632.4	3768767	6.50E-03	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00

5002	481623.1	3768771	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
5003	481613.9	3768774	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
5004	481604.7	3768778	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
5005	481595.4	3768782	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
5006	481586.2	3768786	6.20E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
5007	481576.9	3768789	6.15E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
5008	481567.7	3768793	6.11E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
5009	481558.4	3768797	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
5010	481549.2	3768800	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
5011	481810.6	3768498	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
5012	481810.7	3768488	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
5013	481810.8	3768478	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
5014	481810.8	3768468	2.99E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
5015	481810.9	3768458	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
5016	481811	3768448	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5017	481811.1	3768438	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
5018	481811.1	3768429	3.30E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
5019	481811.2	3768419	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
5020	481811.3	3768409	3.37E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
5021	481811.4	3768399	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
5022	481811.4	3768389	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
5023	481801	3768574	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
5024	481797.1	3768583	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
5025	481781.7	3768619	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
5026	481777.9	3768628	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5027	481774	3768637	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5028	481770.2	3768646	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
5029	481766.3	3768655	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5030	481762.5	3768664	9.98E-03	0.00E+00	0.00E+00	9.88E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5031	481758.6	3768674	9.43E-03	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00
5032	481754.8	3768683	8.92E-03	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00
5033	481750.9	3768692	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
5034	481747.1	3768701	8.01E-03	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00
5035	481743.2	3768710	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
5036	481739.4	3768719	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
5037	481735.5	3768728	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
5038	481686	3768755	6.55E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
5039	481676.8	3768759	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
5040	481667.7	3768763	6.41E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
5041	481658.5	3768766	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
5042	481649.4	3768770	6.28E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5043	481640.2	3768774	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5044	481631.1	3768777	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
5045	481621.9	3768781	6.10E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
5046	481612.8	3768785	6.05E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
5047	481603.7	3768788	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
5048	481594.5	3768792	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
5049	481585.4	3768796	5.90E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
5050	481576.2	3768799	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
5051	481567.1	3768803	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
5052	481557.9	3768807	5.78E-03	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00
5053	481548.8	3768810	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5054	481820.3	3768518	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
5055	481820.4	3768508	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
5056	481820.5	3768498	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
5057	481820.5	3768488	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5058	481820.6	3768478	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
5059	481820.7	3768469	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
5060	481820.8	3768459	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
5061	481820.8	3768449	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
5062	481820.9	3768439	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
5063	481821	3768429	3.16E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5064	481821	3768419	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
5065	481821.1	3768409	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
5066	481821.2	3768399	3.25E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
5067	481821.3	3768389	3.25E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
5068	481826.3	3768537	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
5069	481822.5	3768546	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
5070	481818.6	3768555	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5071	481807.2	3768582	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
5072	481792	3768618	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
5073	481788.1	3768627	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
5074	481784.3	3768636	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5075	481780.5	3768645	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5076	481776.7	3768654	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5077	481772.9	3768663	9.92E-03	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5078	481769.1	3768672	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00
5079	481765.3	3768681	8.88E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00
5080	481761.5	3768690	8.41E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
5081	481757.6	3768699	7.98E-03	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00
5082	481753.8	3768708	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
5083	481750	3768717	7.22E-03	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00
5084	481746.2	3768726	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
5085	481742.4	3768735	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
5086	481711.4	3768755	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
5087	481702.4	3768759	6.33E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
5088	481693.3	3768762	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
5089	481684.2	3768766	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
5090	481675.2	3768769	6.13E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
5091	481666.1	3768773	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
5092	481657.1	3768777	6.01E-03	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00

5093	481648	3768780	5.95E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
5094	481639	3768784	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
5095	481629.9	3768788	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
5096	481620.8	3768791	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
5097	481611.8	3768795	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5098	481602.7	3768798	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
5099	481593.7	3768802	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
5100	481584.6	3768806	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
5101	481575.6	3768809	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
5102	481566.5	3768813	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
5103	481557.4	3768817	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
5104	481548.4	3768820	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
5105	481830.1	3768528	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
5106	481830.2	3768518	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
5107	481830.2	3768508	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
5108	481830.3	3768499	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
5109	481830.4	3768489	2.56E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
5110	481830.4	3768479	2.66E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5111	481830.5	3768469	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
5112	481830.6	3768459	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
5113	481830.7	3768449	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
5114	481830.7	3768439	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
5115	481830.8	3768429	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
5116	481830.9	3768419	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
5117	481831	3768409	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
5118	481831	3768399	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
5119	481831.1	3768389	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
5120	481831.2	3768379	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
5121	481856.2	3768538	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
5122	481852.3	3768547	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
5123	481848.5	3768556	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5124	481844.6	3768565	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5125	481840.8	3768574	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
5126	481836.9	3768583	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5127	481817.6	3768629	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5128	481813.7	3768638	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
5129	481809.8	3768647	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5130	481806	3768656	9.85E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00
5131	481802.1	3768665	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
5132	481798.2	3768674	8.80E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
5133	481794.4	3768683	8.35E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00
5134	481790.5	3768693	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
5135	481786.6	3768702	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
5136	481782.8	3768711	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
5137	481778.9	3768720	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
5138	481775	3768729	6.49E-03	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00
5139	481763.4	3768756	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
5140	481750.4	3768769	5.44E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00
5141	481741.2	3768773	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5142	481732	3768776	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
5143	481722.9	3768780	5.30E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00
5144	481713.7	3768784	5.27E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
5145	481704.5	3768788	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
5146	481695.3	3768791	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5147	481686.1	3768795	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
5148	481676.9	3768799	5.29E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
5149	481667.8	3768802	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
5150	481658.6	3768806	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
5151	481649.4	3768810	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
5152	481640.2	3768813	5.11E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
5153	481631	3768817	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5154	481621.8	3768821	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
5155	481612.7	3768824	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
5156	481603.5	3768828	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
5157	481594.3	3768832	4.93E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
5158	481585.1	3768835	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
5159	481575.9	3768839	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5160	481566.8	3768843	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
5161	481557.6	3768846	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
5162	481548.4	3768850	4.81E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
5163	481860.1	3768529	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
5164	481860.1	3768519	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
5165	481860.2	3768509	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
5166	481860.3	3768499	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
5167	481860.4	3768489	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
5168	481860.4	3768479	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
5169	481860.5	3768469	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
5170	481860.6	3768459	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
5171	481860.7	3768449	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
5172	481860.7	3768439	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5173	481886.3	3768538	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
5174	481882.5	3768547	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
5175	481878.7	3768556	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5176	481875	3768564	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
5177	481871.2	3768573	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
5178	481867.4	3768582	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5179	481863.6	3768591	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
5180	481844.8	3768636	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5181	481841	3768645	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
5182	481837.2	3768653	9.56E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
5183	481833.4	3768662	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00

5184	481829.7	3768671	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00
5185	481825.9	3768680	8.12E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00
5186	481822.1	3768689	7.73E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
5187	481818.3	3768698	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
5188	481814.6	3768707	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
5189	481810.8	3768716	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
5190	481807	3768725	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
5191	481803.2	3768733	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00
5192	481791.9	3768760	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5193	481788.1	3768769	5.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00
5194	481784.4	3768778	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
5195	481771.6	3768790	4.78E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00
5196	481762.6	3768794	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
5197	481753.7	3768798	4.74E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00
5198	481744.7	3768801	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00
5199	481735.7	3768805	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5200	481726.8	3768808	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
5201	481717.8	3768812	4.60E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00
5202	481708.8	3768816	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
5203	481699.9	3768819	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5204	481690.9	3768823	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
5205	481681.9	3768826	4.48E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
5206	481672.9	3768830	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
5207	481664	3768834	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
5208	481655	3768837	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5209	481646	3768841	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5210	481637.1	3768844	4.46E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
5211	481628.1	3768848	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
5212	481619.1	3768852	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
5213	481610.2	3768855	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
5214	481601.2	3768859	4.36E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
5215	481592.2	3768862	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
5216	481583.3	3768866	4.32E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00
5217	481574.3	3768870	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
5218	481565.3	3768873	4.28E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00
5219	481556.3	3768877	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
5220	481547.4	3768880	4.25E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
5221	481890.1	3768529	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
5222	481890.1	3768519	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
5223	481890.2	3768509	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
5224	481890.3	3768499	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
5225	481890.4	3768489	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5226	481890.4	3768479	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
5227	481890.5	3768469	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
5228	481890.6	3768459	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
5229	481890.7	3768449	2.34E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
5230	481890.7	3768439	2.39E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
5231	481890.8	3768429	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
5232	481916.3	3768538	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
5233	481912.4	3768547	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
5234	481908.6	3768556	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
5235	481904.8	3768565	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5236	481901	3768574	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
5237	481897.1	3768583	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
5238	481893.3	3768592	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
5239	481889.5	3768601	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5240	481870.4	3768646	9.53E-03	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00
5241	481866.6	3768655	9.07E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
5242	481862.7	3768664	8.62E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00
5243	481858.9	3768673	8.19E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
5244	481855.1	3768682	7.77E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
5245	481851.3	3768691	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
5246	481847.5	3768700	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
5247	481843.6	3768709	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
5248	481839.8	3768718	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
5249	481836	3768727	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
5250	481824.5	3768754	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00
5251	481820.7	3768763	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
5252	481816.9	3768772	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
5253	481813.1	3768781	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
5254	481809.2	3768790	4.57E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
5255	481805.4	3768799	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
5256	481792.5	3768812	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
5257	481783.4	3768816	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
5258	481920.1	3768529	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5259	481920.1	3768519	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
5260	481920.2	3768509	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5261	481920.3	3768499	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
5262	481920.4	3768489	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5263	481920.4	3768479	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
5264	481920.5	3768469	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
5265	481920.6	3768459	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5266	481920.7	3768449	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
5267	481920.7	3768439	2.16E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
5268	481920.8	3768429	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
5269	481920.9	3768419	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
5270	481921	3768409	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
5271	481921	3768399	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
5272	481921.1	3768389	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
5273	481921.2	3768379	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
5274	481921.2	3768369	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00

5275	481921.3	3768359	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
5276	481921.4	3768349	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
5277	481946.2	3768538	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
5278	481930.8	3768575	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5279	481926.9	3768584	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5280	481923	3768593	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5281	481919.2	3768602	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5282	481915.3	3768611	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5283	481896	3768657	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
5284	481892.1	3768666	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
5285	481888.3	3768675	7.83E-03	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00
5286	481884.4	3768684	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
5287	481880.5	3768693	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
5288	481876.7	3768702	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
5289	481872.8	3768711	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
5290	481868.9	3768720	6.08E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
5291	481865.1	3768730	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
5292	481853.5	3768757	5.11E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
5293	481849.6	3768766	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
5294	481845.8	3768775	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
5295	481841.9	3768784	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5296	481838	3768793	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
5297	481950.1	3768529	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
5298	481950.1	3768519	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
5299	481950.2	3768509	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
5300	481950.3	3768499	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
5301	481950.4	3768489	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5302	481950.4	3768479	1.77E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
5303	481950.5	3768469	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
5304	481950.6	3768459	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
5305	481950.7	3768449	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
5306	481950.7	3768440	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
5307	481950.8	3768430	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
5308	481950.9	3768420	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
5309	481951	3768410	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
5310	481951	3768400	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5311	481951.1	3768390	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5312	481951.2	3768380	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5313	481951.2	3768370	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5314	481951.3	3768360	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5315	481951.4	3768350	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
5316	481976.3	3768538	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
5317	481972.5	3768547	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
5318	481968.7	3768556	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5319	481964.9	3768565	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5320	481961.1	3768574	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5321	481957.3	3768583	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
5322	481953.5	3768592	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
5323	481949.7	3768601	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5324	481946	3768610	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5325	481919.4	3768672	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
5326	481915.6	3768681	7.26E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00
5327	481911.8	3768690	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
5328	481908	3768699	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
5329	481904.2	3768708	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5330	481900.5	3768717	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
5331	481896.7	3768726	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
5332	481892.9	3768735	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
5333	481881.5	3768762	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
5334	481877.7	3768771	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5335	481873.9	3768780	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5336	481834.6	3768855	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
5337	481825.6	3768858	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5338	481816.6	3768862	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
5339	481807.6	3768866	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
5340	481798.5	3768869	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
5341	481789.5	3768873	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
5342	481780.5	3768876	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
5343	481771.5	3768880	3.33E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
5344	481762.5	3768884	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
5345	481753.5	3768887	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
5346	481744.5	3768891	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
5347	481735.5	3768894	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
5348	481708.5	3768905	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5349	481699.5	3768909	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5350	481690.5	3768913	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
5351	481681.5	3768916	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
5352	481672.4	3768920	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
5353	481663.4	3768923	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
5354	481654.4	3768927	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5355	481645.4	3768931	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
5356	481636.4	3768934	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
5357	481627.4	3768938	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
5358	481618.4	3768941	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
5359	481609.4	3768945	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
5360	481600.4	3768949	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
5361	481591.4	3768952	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5362	481582.4	3768956	3.12E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
5363	481573.4	3768959	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
5364	481564.4	3768963	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
5365	481555.4	3768967	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00

5366	481546.3	3768970	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
5367	481980.1	3768530	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5368	481980.1	3768520	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
5369	481980.2	3768510	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
5370	481980.3	3768500	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
5371	481980.4	3768490	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5372	481980.4	3768480	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
5373	481980.5	3768470	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
5374	481980.6	3768460	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5375	481980.7	3768450	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
5376	481980.7	3768440	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
5377	481980.8	3768430	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
5378	481980.9	3768420	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
5379	481981	3768410	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
5380	481981	3768400	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5381	481981.1	3768390	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
5382	481981.2	3768380	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
5383	481981.2	3768370	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
5384	481981.3	3768360	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
5385	481981.4	3768350	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5386	482006.2	3768539	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
5387	482002.4	3768548	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5388	481998.6	3768557	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
5389	481994.8	3768566	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
5390	481990.9	3768575	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
5391	481987.1	3768584	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5392	481983.3	3768593	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5393	481979.4	3768602	9.84E-03	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00
5394	481975.6	3768611	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
5395	481971.8	3768620	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
5396	481968	3768629	8.84E-03	0.00E+00	0.00E+00	8.75E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00
5397	481964.1	3768638	8.53E-03	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00
5398	481960.3	3768647	8.23E-03	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00
5399	481956.5	3768656	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
5400	481948.8	3768674	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
5401	481945	3768683	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
5402	481925.8	3768728	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
5403	481914.4	3768755	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5404	481910.5	3768764	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5405	481906.7	3768773	4.48E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
5406	481876.1	3768846	3.41E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
5407	481872.2	3768855	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
5408	481868.4	3768864	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5409	481855.5	3768876	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5410	481846.4	3768880	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
5411	481837.3	3768884	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
5412	481828.2	3768887	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
5413	481819.1	3768891	3.08E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5414	481810	3768894	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
5415	481800.9	3768898	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
5416	481791.8	3768902	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
5417	481782.7	3768905	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5418	481773.6	3768909	3.01E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
5419	481764.5	3768913	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5420	481755.4	3768916	2.99E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5421	481746.3	3768920	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
5422	481737.2	3768924	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
5423	481728.1	3768927	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5424	481719.1	3768931	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
5425	481710	3768935	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5426	481700.9	3768938	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5427	481691.8	3768942	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
5428	481682.7	3768946	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
5429	481673.6	3768949	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5430	481664.5	3768953	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
5431	481655.4	3768956	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5432	481646.3	3768960	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5433	481637.2	3768964	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
5434	481628.1	3768967	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
5435	481619	3768971	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5436	481609.9	3768975	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
5437	481600.8	3768978	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5438	481591.7	3768982	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5439	481582.6	3768986	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5440	481573.5	3768989	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5441	481564.4	3768993	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
5442	481555.3	3768997	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
5443	481546.2	3769000	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
5444	482010.1	3768530	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5445	482010.1	3768520	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
5446	482010.2	3768510	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5447	482010.3	3768500	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
5448	482010.4	3768490	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
5449	482010.4	3768480	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5450	482010.5	3768470	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
5451	482010.6	3768460	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5452	482010.7	3768450	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5453	482010.7	3768440	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5454	482010.8	3768430	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
5455	482010.9	3768420	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
5456	482011	3768410	1.71E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00

5457	482011	3768400	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
5458	482011.1	3768390	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
5459	482011.2	3768380	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5460	482011.2	3768370	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5461	482011.3	3768360	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5462	482011.4	3768350	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
5463	482036.2	3768539	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5464	482032.3	3768548	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5465	482028.5	3768557	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
5466	482024.6	3768566	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5467	482020.8	3768575	1.02E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5468	482016.9	3768585	9.83E-03	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00
5469	482013	3768594	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
5470	482009.2	3768603	9.18E-03	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00
5471	482005.3	3768612	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
5472	482001.4	3768621	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00
5473	481997.6	3768630	8.27E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
5474	481993.7	3768639	7.99E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
5475	481989.9	3768648	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
5476	481986	3768657	7.45E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
5477	481978.3	3768676	6.92E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
5478	481974.4	3768685	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
5479	481970.6	3768694	6.31E-03	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
5480	481966.7	3768703	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
5481	481962.8	3768712	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
5482	481959	3768721	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
5483	481955.1	3768730	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
5484	481951.2	3768739	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5485	481947.4	3768748	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5486	481912.6	3768830	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
5487	481908.8	3768839	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
5488	481904.9	3768848	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
5489	481901	3768858	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
5490	481897.2	3768867	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
5491	481893.3	3768876	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5492	481889.4	3768885	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
5493	481876.4	3768898	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5494	481867.2	3768901	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5495	481858.1	3768905	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5496	481848.9	3768909	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
5497	481839.7	3768912	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
5498	481830.5	3768916	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5499	481821.4	3768920	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
5500	481812.2	3768923	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5501	481803	3768927	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
5502	481793.8	3768931	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5503	481784.7	3768934	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
5504	481775.5	3768938	2.73E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
5505	481766.3	3768942	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5506	481757.1	3768946	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5507	481748	3768949	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
5508	481738.8	3768953	2.69E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5509	481729.6	3768957	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5510	481720.4	3768960	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
5511	481711.2	3768964	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
5512	481702.1	3768968	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
5513	481692.9	3768971	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5514	481683.7	3768975	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
5515	481674.5	3768979	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5516	481665.4	3768982	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
5517	481656.2	3768986	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5518	481647	3768990	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
5519	481637.8	3768993	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5520	481628.7	3768997	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
5521	481619.5	3769001	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5522	481610.3	3769004	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
5523	481601.1	3769008	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5524	481592	3769012	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5525	481582.8	3769015	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
5526	481573.6	3769019	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
5527	481564.4	3769023	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
5528	481555.3	3769026	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
5529	481546.1	3769030	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
5530	482040.1	3768530	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5531	482040.1	3768520	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5532	482040.2	3768510	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5533	482040.3	3768500	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
5534	482040.4	3768490	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
5535	482040.4	3768480	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
5536	482040.5	3768470	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
5537	482040.6	3768460	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
5538	482040.7	3768450	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
5539	482040.7	3768440	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
5540	482040.8	3768430	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
5541	482040.9	3768420	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
5542	482041	3768410	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5543	482041	3768400	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
5544	482041.1	3768390	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5545	482041.2	3768380	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5546	482041.2	3768370	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
5547	482041.3	3768360	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00

5548	482041.4	3768350	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5549	482066.2	3768539	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5550	482062.3	3768549	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5551	482058.4	3768558	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5552	482054.5	3768567	9.82E-03	0.00E+00	0.00E+00	9.72E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00
5553	482050.6	3768576	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
5554	482046.7	3768585	9.21E-03	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
5555	482042.8	3768594	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
5556	482038.9	3768604	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
5557	482035	3768613	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
5558	482031.1	3768622	8.00E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
5559	482027.3	3768631	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00
5560	482023.4	3768640	7.45E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
5561	482019.5	3768649	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00
5562	482015.6	3768659	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00
5563	482007.8	3768677	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5564	482003.9	3768686	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
5565	482000	3768695	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
5566	481996.1	3768704	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5567	481992.2	3768714	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
5568	481988.3	3768723	5.29E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
5569	481984.4	3768732	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5570	481980.5	3768741	4.86E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
5571	481937.7	3768842	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
5572	481933.8	3768851	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5573	481929.9	3768860	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
5574	481926	3768870	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5575	481922.2	3768879	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5576	481918.3	3768888	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5577	481914.4	3768897	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5578	481910.5	3768906	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5579	481897.3	3768919	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
5580	481888.1	3768923	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5581	481878.8	3768927	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5582	481869.6	3768930	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
5583	481860.3	3768934	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
5584	481851.1	3768938	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
5585	481841.8	3768941	2.56E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5586	481832.6	3768945	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5587	481823.4	3768949	2.55E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5588	481814.1	3768952	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
5589	481804.9	3768956	2.53E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
5590	481795.6	3768960	2.52E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5591	481786.4	3768964	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
5592	481777.1	3768967	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5593	481767.9	3768971	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5594	481758.6	3768975	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
5595	481749.4	3768978	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
5596	481740.1	3768982	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
5597	481730.9	3768986	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
5598	481721.6	3768990	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5599	481712.4	3768993	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
5600	481703.1	3768997	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5601	481693.9	3769001	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5602	481684.6	3769004	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5603	481675.4	3769008	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5604	481666.1	3769012	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5605	481656.9	3769016	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5606	481647.7	3769019	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5607	481638.4	3769023	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5608	481629.2	3769027	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5609	481619.9	3769030	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5610	481610.7	3769034	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5611	481601.4	3769038	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5612	481592.2	3769041	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5613	481582.9	3769045	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5614	481573.7	3769049	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5615	481564.4	3769053	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5616	481555.2	3769056	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5617	481545.9	3769060	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5618	482070.1	3768530	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
5619	482070.1	3768520	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
5620	482070.2	3768510	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5621	482070.3	3768500	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5622	482070.4	3768490	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5623	482070.4	3768480	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
5624	482070.5	3768470	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
5625	482070.6	3768460	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
5626	482070.7	3768450	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
5627	482070.7	3768440	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5628	482070.8	3768430	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
5629	482070.9	3768420	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
5630	482071	3768410	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
5631	482071	3768400	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
5632	482071.1	3768391	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
5633	482071.2	3768381	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
5634	482071.2	3768371	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5635	482071.3	3768361	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5636	482071.4	3768351	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5637	482096.2	3768539	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
5638	482092.4	3768548	9.76E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00

5639	482088.6	3768558	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
5640	482084.7	3768567	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
5641	482080.9	3768576	8.96E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
5642	482077.1	3768585	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
5643	482073.2	3768594	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
5644	482069.4	3768603	8.14E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
5645	482065.6	3768612	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
5646	482061.7	3768621	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
5647	482057.9	3768630	7.33E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
5648	482054.1	3768639	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
5649	482050.2	3768648	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
5650	482046.4	3768657	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
5651	482038.7	3768675	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
5652	482034.9	3768684	5.94E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
5653	482031.1	3768693	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
5654	482027.2	3768702	5.48E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
5655	482023.4	3768711	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
5656	482019.6	3768720	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5657	482015.7	3768729	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
5658	482011.9	3768738	4.69E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
5659	481965.9	3768847	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5660	481962.1	3768856	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
5661	481958.2	3768865	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
5662	481954.4	3768874	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5663	481950.6	3768883	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
5664	481946.7	3768892	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5665	481942.9	3768901	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
5666	481918.5	3768940	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5667	481909.4	3768944	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5668	481900.3	3768948	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5669	481891.2	3768951	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5670	481882.1	3768955	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5671	481872.9	3768959	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5672	481863.8	3768962	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5673	481854.7	3768966	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5674	481845.6	3768970	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
5675	481836.5	3768973	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5676	481827.4	3768977	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5677	481818.3	3768981	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5678	481809.2	3768984	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5679	481800.1	3768988	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
5680	481791	3768992	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
5681	481781.9	3768995	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
5682	481772.8	3768999	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
5683	481763.7	3769003	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
5684	481754.6	3769006	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
5685	481745.5	3769010	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5686	481736.4	3769014	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
5687	481727.2	3769017	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
5688	481718.1	3769021	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
5689	481709	3769024	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
5690	481699.9	3769028	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5691	481690.8	3769032	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5692	481681.7	3769035	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5693	481672.6	3769039	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5694	481663.5	3769043	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5695	481654.4	3769046	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5696	481645.3	3769050	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5697	481636.2	3769054	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5698	481627.1	3769057	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5699	481618	3769061	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5700	481608.9	3769065	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5701	481599.8	3769068	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5702	481590.7	3769072	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5703	481581.5	3769076	2.20E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5704	481572.4	3769079	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5705	481563.3	3769083	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5706	481554.2	3769087	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5707	481545.1	3769090	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5708	482100.1	3768530	1.03E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
5709	482100.1	3768520	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5710	482100.2	3768510	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
5711	482100.3	3768500	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
5712	482100.4	3768491	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5713	482100.4	3768481	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5714	482100.5	3768471	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
5715	482100.6	3768461	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5716	482100.7	3768451	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
5717	482100.7	3768441	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
5718	482100.8	3768431	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
5719	482100.9	3768421	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
5720	482100.9	3768411	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5721	482101	3768401	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
5722	482101.1	3768391	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
5723	482101.2	3768381	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
5724	482101.2	3768371	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
5725	482101.3	3768361	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
5726	482126.2	3768540	9.41E-03	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00
5727	482122.3	3768549	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
5728	482118.5	3768558	8.93E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
5729	482114.6	3768567	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00

5730	482110.8	3768576	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
5731	482106.9	3768585	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
5732	482103	3768594	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
5733	482099.2	3768603	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
5734	482095.3	3768613	7.42E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
5735	482091.5	3768622	7.17E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
5736	482087.6	3768631	6.93E-03	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
5737	482083.7	3768640	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
5738	482079.9	3768649	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
5739	482076	3768658	6.22E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5740	482068.3	3768676	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
5741	482064.4	3768685	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
5742	482060.6	3768694	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
5743	482056.7	3768704	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
5744	482052.8	3768713	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
5745	482049	3768722	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
5746	482002.6	3768831	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
5747	481998.8	3768840	3.09E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
5748	481994.9	3768849	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
5749	481991.1	3768858	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5750	481987.2	3768867	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5751	481983.3	3768876	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5752	481979.5	3768885	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5753	481975.6	3768895	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5754	481971.8	3768904	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5755	481967.9	3768913	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5756	481964	3768922	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5757	481960.2	3768931	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5758	481956.3	3768940	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5759	481952.4	3768949	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
5760	481921.1	3768969	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5761	481911.9	3768973	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5762	481902.7	3768977	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5763	481893.5	3768980	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5764	481884.4	3768984	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5765	481875.2	3768988	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5766	481866	3768991	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
5767	481856.8	3768995	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
5768	481847.7	3768999	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
5769	481838.5	3769002	2.17E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
5770	481829.3	3769006	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
5771	481820.2	3769010	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
5772	481811	3769013	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5773	481801.8	3769017	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5774	481792.6	3769021	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5775	481783.5	3769024	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5776	481774.3	3769028	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5777	481765.1	3769032	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5778	481755.9	3769036	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
5779	481746.8	3769039	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5780	481737.6	3769043	2.09E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5781	481728.4	3769047	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
5782	481719.2	3769050	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
5783	481710.1	3769054	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5784	481700.9	3769058	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5785	481691.7	3769061	2.06E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5786	481682.5	3769065	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5787	481673.4	3769069	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
5788	481664.2	3769072	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5789	481655	3769076	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5790	481645.9	3769080	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5791	481636.7	3769083	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5792	481627.5	3769087	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5793	481618.3	3769091	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5794	481609.2	3769094	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5795	481600	3769098	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
5796	481590.8	3769102	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
5797	481581.6	3769105	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5798	481572.5	3769109	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5799	481563.3	3769113	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5800	481554.1	3769116	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5801	481544.9	3769120	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
5802	482130.1	3768531	9.63E-03	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
5803	482130.1	3768521	9.95E-03	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5804	482130.2	3768511	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
5805	482130.3	3768501	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5806	482130.4	3768491	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
5807	482130.4	3768481	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5808	482130.5	3768471	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5809	482130.6	3768461	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5810	482130.7	3768451	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5811	482130.7	3768441	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5812	482130.8	3768431	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
5813	482130.9	3768421	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
5814	482130.9	3768411	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5815	482131	3768401	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
5816	482131.1	3768391	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
5817	482131.2	3768381	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
5818	481517	3768317	9.83E-02	0.00E+00	0.00E+00	9.72E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00
5819	481507.5	3768317	9.87E-02	0.00E+00	0.00E+00	9.77E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
5820	481498	3768317	9.90E-02	0.00E+00	0.00E+00	9.80E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00

5821	481488.5	3768317	9.91E-02	0.00E+00	0.00E+00	9.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
5822	481479	3768317	9.91E-02	0.00E+00	0.00E+00	9.80E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
5823	481469.5	3768317	9.84E-02	0.00E+00	0.00E+00	9.73E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00
5824	481460	3768317	9.75E-02	0.00E+00	0.00E+00	9.65E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00
5825	481450.5	3768317	9.64E-02	0.00E+00	0.00E+00	9.54E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00
5826	481440.9	3768317	9.50E-02	0.00E+00	0.00E+00	9.40E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00
5827	481431.4	3768317	9.32E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
5828	481421.9	3768317	9.10E-02	0.00E+00	0.00E+00	9.00E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00
5829	481412.4	3768317	8.84E-02	0.00E+00	0.00E+00	8.75E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00
5830	481402.9	3768317	8.55E-02	0.00E+00	0.00E+00	8.46E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00
5831	481393.4	3768317	8.22E-02	0.00E+00	0.00E+00	8.13E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00
5832	481383.9	3768316	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
5833	481374.4	3768316	7.47E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00
5834	481364.9	3768316	7.10E-02	0.00E+00	0.00E+00	7.02E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00
5835	481355.4	3768316	6.78E-02	0.00E+00	0.00E+00	6.71E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
5836	481345.9	3768316	6.53E-02	0.00E+00	0.00E+00	6.46E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
5837	481557.2	3768326	1.01E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
5838	481517.1	3768307	8.14E-02	0.00E+00	0.00E+00	8.05E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00
5839	481507.6	3768307	8.12E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00
5840	481498	3768307	8.09E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
5841	481488.5	3768307	8.04E-02	0.00E+00	0.00E+00	7.96E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00
5842	481479	3768307	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
5843	481469.5	3768307	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
5844	481460	3768307	7.72E-02	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
5845	481450.5	3768307	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
5846	481441	3768307	7.40E-02	0.00E+00	0.00E+00	7.32E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00
5847	481431.5	3768307	7.21E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
5848	481422	3768307	6.99E-02	0.00E+00	0.00E+00	6.92E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
5849	481412.5	3768307	6.76E-02	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00
5850	481403	3768307	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00
5851	481393.4	3768307	6.26E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00
5852	481383.9	3768307	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
5853	481374.4	3768307	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
5854	481364.9	3768307	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
5855	481355.4	3768307	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
5856	481345.9	3768306	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
5857	481552.7	3768308	7.88E-02	0.00E+00	0.00E+00	7.80E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
5858	481564.9	3768321	8.99E-02	0.00E+00	0.00E+00	8.90E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00
5859	481517.1	3768297	6.85E-02	0.00E+00	0.00E+00	6.78E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00
5860	481507.6	3768297	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
5861	481498.1	3768297	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00
5862	481488.6	3768297	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00
5863	481479.1	3768297	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
5864	481469.6	3768297	6.43E-02	0.00E+00	0.00E+00	6.37E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00
5865	481460	3768297	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
5866	481450.5	3768297	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
5867	481441	3768297	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
5868	481431.5	3768297	5.76E-02	0.00E+00	0.00E+00	5.70E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00
5869	481422	3768297	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
5870	481412.5	3768297	5.37E-02	0.00E+00	0.00E+00	5.31E-02	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00
5871	481403	3768297	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
5872	481393.5	3768297	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
5873	481384	3768297	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00
5874	481374.5	3768297	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
5875	481365	3768297	4.39E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
5876	481355.4	3768297	4.24E-02	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00
5877	481345.9	3768297	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
5878	481551.7	3768298	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
5879	481560	3768302	7.00E-02	0.00E+00	0.00E+00	6.93E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00
5880	481571.8	3768313	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00
5881	481517.1	3768288	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00
5882	481507.6	3768287	5.77E-02	0.00E+00	0.00E+00	5.71E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00
5883	481498.1	3768287	5.70E-02	0.00E+00	0.00E+00	5.64E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
5884	481488.6	3768287	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
5885	481479.1	3768287	5.51E-02	0.00E+00	0.00E+00	5.45E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
5886	481469.6	3768287	5.37E-02	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00
5887	481460.1	3768287	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
5888	481450.6	3768287	5.07E-02	0.00E+00	0.00E+00	5.01E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00
5889	481441.1	3768287	4.90E-02	0.00E+00	0.00E+00	4.85E-02	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00
5890	481431.6	3768287	4.73E-02	0.00E+00	0.00E+00	4.68E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
5891	481422.1	3768287	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
5892	481412.5	3768287	4.39E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
5893	481403	3768287	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
5894	481393.5	3768287	4.05E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
5895	481384	3768287	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
5896	481374.5	3768287	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
5897	481365	3768287	3.61E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00
5898	481355.5	3768287	3.50E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
5899	481346	3768287	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
5900	481551	3768288	5.88E-02	0.00E+00	0.00E+00	5.82E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00
5901	481567.3	3768295	6.27E-02	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00
5902	481578.7	3768306	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00
5903	481585.3	3768323	8.25E-02	0.00E+00	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00
5904	481517.2	3768278	5.03E-02	0.00E+00	0.00E+00	4.98E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
5905	481507.7	3768278	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00
5906	481498.2	3768278	4.87E-02	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
5907	481488.7	3768278	4.78E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00
5908	481479.1	3768278	4.68E-02	0.00E+00	0.00E+00	4.63E-02	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00
5909	481469.6	3768277	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
5910	481460.1	3768277	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
5911	481450.6	3768277	4.27E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00

5912	481441.1	3768277	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
5913	481431.6	3768277	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
5914	481422.1	3768277	3.82E-02	0.00E+00	0.00E+00	3.78E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
5915	481412.6	3768277	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00
5916	481403.1	3768277	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
5917	481393.6	3768277	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5918	481384.1	3768277	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
5919	481374.5	3768277	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
5920	481365	3768277	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
5921	481355.5	3768277	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
5922	481346	3768277	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
5923	481566.5	3768285	5.51E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
5924	481585.6	3768299	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
5925	481592.1	3768315	7.35E-02	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00
5926	481517.2	3768268	4.37E-02	0.00E+00	0.00E+00	4.32E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00
5927	481507.7	3768268	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
5928	481498.2	3768268	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
5929	481488.7	3768268	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
5930	481479.2	3768268	4.03E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
5931	481469.7	3768268	3.91E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00
5932	481460.2	3768268	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
5933	481450.7	3768268	3.65E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
5934	481441.2	3768268	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
5935	481431.6	3768267	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5936	481422.1	3768267	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
5937	481412.6	3768267	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
5938	481403.1	3768267	3.01E-02	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00
5939	481393.6	3768267	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
5940	481384.1	3768267	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
5941	481374.6	3768267	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
5942	481365.1	3768267	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
5943	481355.6	3768267	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
5944	481346.1	3768267	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
5945	481565.9	3768274	4.87E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
5946	481581.6	3768281	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
5947	481592.6	3768292	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
5948	481599	3768308	6.60E-02	0.00E+00	0.00E+00	6.53E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
5949	481605.4	3768324	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
5950	481517.3	3768258	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
5951	481507.8	3768258	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
5952	481498.2	3768258	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
5953	481488.7	3768258	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
5954	481479.2	3768258	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
5955	481469.7	3768258	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5956	481460.2	3768258	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
5957	481450.7	3768258	3.16E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5958	481441.2	3768258	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
5959	481431.7	3768258	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
5960	481422.2	3768258	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
5961	481412.7	3768258	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
5962	481403.2	3768258	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
5963	481393.6	3768257	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
5964	481384.1	3768257	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
5965	481374.6	3768257	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
5966	481365.1	3768257	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
5967	481355.6	3768257	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
5968	481346.1	3768257	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
5969	481336.6	3768257	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
5970	481552.9	3768259	4.05E-02	0.00E+00	0.00E+00	4.01E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00
5971	481561.6	3768263	4.23E-02	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
5972	481570.3	3768266	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
5973	481579	3768270	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
5974	481587.7	3768274	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
5975	481599.9	3768286	5.25E-02	0.00E+00	0.00E+00	5.19E-02	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00
5976	481603.5	3768295	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
5977	481607	3768304	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00
5978	481610.6	3768312	6.54E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
5979	481614.1	3768321	6.95E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
5980	481517.3	3768248	3.37E-02	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
5981	481507.8	3768248	3.30E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
5982	481498.3	3768248	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
5983	481488.8	3768248	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
5984	481479.3	3768248	3.06E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
5985	481469.8	3768248	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
5986	481460.3	3768248	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
5987	481450.7	3768248	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
5988	481441.2	3768248	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5989	481431.7	3768248	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
5990	481422.2	3768248	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
5991	481412.7	3768248	2.38E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
5992	481403.2	3768248	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
5993	481393.7	3768248	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
5994	481384.2	3768248	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
5995	481374.7	3768248	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5996	481365.2	3768248	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
5997	481355.7	3768247	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
5998	481346.1	3768247	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
5999	481336.6	3768247	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
6000	481552.4	3768249	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
6001	481560.9	3768253	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
6002	481569.4	3768256	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00

6003	481577.9	3768260	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
6004	481586.4	3768263	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
6005	481594.9	3768267	4.33E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
6006	481606.8	3768279	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
6007	481610.3	3768288	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
6008	481613.8	3768296	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
6009	481617.3	3768305	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
6010	481620.7	3768313	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
6011	481624.2	3768322	6.62E-02	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
6031	481551.9	3768239	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
6032	481560.3	3768243	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
6033	481568.6	3768246	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
6034	481577	3768250	3.64E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
6035	481585.3	3768253	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
6036	481593.7	3768257	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
6039	481620.6	3768289	5.06E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00
6040	481624	3768297	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
6041	481630.8	3768314	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00
6061	481551.6	3768229	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
6062	481568	3768236	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
6063	481584.5	3768243	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
6064	481600.9	3768250	3.61E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00
6066	481627.4	3768281	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00
6067	481634.2	3768298	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
6089	481567.6	3768226	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
6090	481583.8	3768233	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
6091	481600	3768240	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
6118	481553.1	3768210	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
6119	481561.8	3768214	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
6120	481570.5	3768217	2.59E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
6121	481579.2	3768221	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
6122	481587.9	3768225	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
6123	481596.6	3768228	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
6156	481552.7	3768200	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
6157	481561.3	3768204	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
6158	481569.9	3768207	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
6159	481578.4	3768211	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
6160	481587	3768214	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
6161	481595.5	3768218	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
6196	481552.4	3768190	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
6197	481560.9	3768194	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
6198	481569.3	3768197	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
6199	481577.8	3768201	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
6200	481586.2	3768204	2.32E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
6201	481594.7	3768208	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
6202	481603.1	3768211	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
6239	481568.9	3768187	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
6240	481577.2	3768191	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
6241	481585.6	3768194	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
6242	481593.9	3768198	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
6243	481602.3	3768201	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
6278	481585	3768184	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
6279	481601.5	3768191	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
7551	481528.7	3767802	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7552	481519.2	3767802	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
7553	481509.7	3767802	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
7554	481500.1	3767801	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
7555	481490.6	3767801	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
7556	481481.1	3767801	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7557	481471.6	3767801	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7558	481462.1	3767801	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
7559	481452.6	3767801	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7560	481443.1	3767801	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
7572	481537.4	3767775	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7651	481528.8	3767772	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
7652	481519.3	3767772	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
7653	481509.8	3767772	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
7654	481500.3	3767771	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
7655	481490.8	3767771	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
7656	481481.2	3767771	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
7657	481471.7	3767771	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
7658	481462.2	3767771	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7659	481452.7	3767771	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
7660	481443.2	3767771	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
7672	481537.6	3767745	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
7673	481546.4	3767749	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
7761	481528.9	3767742	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
7762	481519.4	3767742	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
7763	481509.9	3767742	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
7764	481500.4	3767741	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7765	481490.9	3767741	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
7766	481481.4	3767741	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
7767	481471.9	3767741	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7768	481462.4	3767741	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
7769	481452.8	3767741	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7770	481443.3	3767741	1.79E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00

			UnMitigated				T2				T2L3				T4			
						2.92E-06				3.31E-06				5.90E-07				3.98E-07
ID	X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	481326.38	3768345.69	3.964E-07	1.79E-07	0.00E+00	5.75E-07	3.92E-07	2.60E-07	0.00E+00	6.52E-07	7.20E-08	4.43E-08	0.00E+00	1.16E-07	4.02E-08	3.82E-08	0.00E+00	7.84E-08
2	481326.28	3768355.63	5.478E-07	2.47E-07	0.00E+00	7.95E-07	5.42E-07	3.59E-07	0.00E+00	9.01E-07	9.95E-08	6.12E-08	0.00E+00	1.61E-07	5.56E-08	5.28E-08	0.00E+00	1.08E-07
3	481326.18	3768365.57	7.097E-07	3.20E-07	0.00E+00	1.03E-06	7.02E-07	4.66E-07	0.00E+00	1.17E-06	1.29E-07	7.93E-08	0.00E+00	2.08E-07	7.20E-08	6.85E-08	0.00E+00	1.40E-07
4	481326.08	3768375.51	8.653E-07	3.90E-07	0.00E+00	1.26E-06	8.56E-07	5.68E-07	0.00E+00	1.42E-06	1.57E-07	9.67E-08	0.00E+00	2.54E-07	8.78E-08	8.35E-08	0.00E+00	1.71E-07
5	481325.98	3768385.44	1.034E-06	4.66E-07	0.00E+00	1.50E-06	1.02E-06	6.78E-07	0.00E+00	1.70E-06	1.88E-07	1.16E-07	0.00E+00	3.03E-07	1.05E-07	9.97E-08	0.00E+00	2.05E-07
6	481325.88	3768395.38	1.205E-06	5.43E-07	0.00E+00	1.75E-06	1.19E-06	7.90E-07	0.00E+00	1.98E-06	2.19E-07	1.35E-07	0.00E+00	3.53E-07	1.22E-07	1.16E-07	0.00E+00	2.38E-07
7	481325.78	3768405.32	1.348E-06	6.08E-07	0.00E+00	1.96E-06	1.33E-06	8.85E-07	0.00E+00	2.22E-06	2.45E-07	1.51E-07	0.00E+00	3.96E-07	1.37E-07	1.30E-07	0.00E+00	2.67E-07
8	481325.68	3768415.26	1.465E-06	6.61E-07	0.00E+00	2.13E-06	1.45E-06	9.61E-07	0.00E+00	2.41E-06	2.66E-07	1.64E-07	0.00E+00	4.30E-07	1.49E-07	1.41E-07	0.00E+00	2.90E-07
9	481325.58	3768425.2	1.581E-06	7.13E-07	0.00E+00	2.29E-06	1.56E-06	1.04E-06	0.00E+00	2.60E-06	2.87E-07	1.77E-07	0.00E+00	4.64E-07	1.60E-07	1.52E-07	0.00E+00	3.13E-07
10	481325.48	3768435.13	1.726E-06	7.78E-07	0.00E+00	2.50E-06	1.71E-06	1.13E-06	0.00E+00	2.84E-06	3.14E-07	1.93E-07	0.00E+00	5.07E-07	1.75E-07	1.67E-07	0.00E+00	3.42E-07
11	481325.38	3768445.07	2.009E-06	9.06E-07	0.00E+00	2.92E-06	1.99E-06	1.32E-06	0.00E+00	3.31E-06	3.65E-07	2.25E-07	0.00E+00	5.90E-07	2.04E-07	1.94E-07	0.00E+00	3.98E-07
12	481316.44	3768355.53	4.689E-07	2.11E-07	0.00E+00	6.80E-07	4.64E-07	3.08E-07	0.00E+00	7.72E-07	8.52E-08	5.24E-08	0.00E+00	1.38E-07	4.76E-08	4.52E-08	0.00E+00	9.28E-08
13	481316.34	3768365.47	5.909E-07	2.66E-07	0.00E+00	8.57E-07	5.85E-07	3.88E-07	0.00E+00	9.72E-07	1.07E-07	6.60E-08	0.00E+00	1.73E-07	5.99E-08	5.70E-08	0.00E+00	1.17E-07
14	481316.24	3768375.41	7.176E-07	3.24E-07	0.00E+00	1.04E-06	7.10E-07	4.71E-07	0.00E+00	1.18E-06	1.30E-07	8.02E-08	0.00E+00	2.11E-07	7.28E-08	6.92E-08	0.00E+00	1.42E-07
15	481316.14	3768385.34	8.485E-07	3.83E-07	0.00E+00	1.23E-06	8.40E-07	5.57E-07	0.00E+00	1.40E-06	1.54E-07	9.48E-08	0.00E+00	2.49E-07	8.61E-08	8.19E-08	0.00E+00	1.68E-07
16	481316.04	3768395.28	9.768E-07	4.41E-07	0.00E+00	1.42E-06	9.67E-07	6.41E-07	0.00E+00	1.61E-06	1.77E-07	1.09E-07	0.00E+00	2.87E-07	9.91E-08	9.42E-08	0.00E+00	1.93E-07
17	481315.94	3768405.22	1.096E-06	4.94E-07	0.00E+00	1.59E-06	1.08E-06	7.19E-07	0.00E+00	1.80E-06	1.99E-07	1.23E-07	0.00E+00	3.22E-07	1.11E-07	1.06E-07	0.00E+00	2.17E-07
18	481315.84	3768415.16	1.208E-06	5.45E-07	0.00E+00	1.75E-06	1.19E-06	7.92E-07	0.00E+00	1.99E-06	2.19E-07	1.35E-07	0.00E+00	3.54E-07	1.22E-07	1.16E-07	0.00E+00	2.39E-07
19	481315.74	3768425.1	1.326E-06	5.98E-07	0.00E+00	1.92E-06	1.31E-06	8.70E-07	0.00E+00	2.18E-06	2.41E-07	1.48E-07	0.00E+00	3.89E-07	1.34E-07	1.28E-07	0.00E+00	2.62E-07
20	481315.64	3768435.03	1.485E-06	6.70E-07	0.00E+00	2.15E-06	1.47E-06	9.74E-07	0.00E+00	2.44E-06	2.70E-07	1.66E-07	0.00E+00	4.36E-07	1.51E-07	1.43E-07	0.00E+00	2.94E-07
21	481315.54	3768444.97	1.808E-06	8.15E-07	0.00E+00	2.62E-06	1.79E-06	1.19E-06	0.00E+00	2.98E-06	3.28E-07	2.02E-07	0.00E+00	5.31E-07	1.83E-07	1.74E-07	0.00E+00	3.58E-07
22	481322.45	3768321.94	1.842E-07	8.31E-08	0.00E+00	2.67E-07	1.82E-07	1.21E-07	0.00E+00	3.03E-07	3.35E-08	2.06E-08	0.00E+00	5.41E-08	1.87E-08	1.78E-08	0.00E+00	3.65E-08
23	481306.61	3768355.43	4.139E-07	1.87E-07	0.00E+00	6.01E-07	4.10E-07	2.72E-07	0.00E+00	6.81E-07	7.52E-08	4.63E-08	0.00E+00	1.21E-07	4.20E-08	3.99E-08	0.00E+00	8.19E-08
24	481306.51	3768365.37	5.117E-07	2.31E-07	0.00E+00	7.42E-07	5.06E-07	3.36E-07	0.00E+00	8.42E-07	9.30E-08	5.72E-08	0.00E+00	1.50E-07	5.19E-08	4.94E-08	0.00E+00	1.01E-07
25	481306.41	3768375.31	6.155E-07	2.78E-07	0.00E+00	8.93E-07	6.09E-07	4.04E-07	0.00E+00	1.01E-06	1.12E-07	6.88E-08	0.00E+00	1.81E-07	6.24E-08	5.94E-08	0.00E+00	1.22E-07
26	481306.31	3768385.25	7.223E-07	3.26E-07	0.00E+00	1.05E-06	7.15E-07	4.74E-07	0.00E+00	1.19E-06	1.31E-07	8.07E-08	0.00E+00	2.12E-07	7.33E-08	6.97E-08	0.00E+00	1.43E-07
27	481306.21	3768395.18	8.282E-07	3.74E-07	0.00E+00	1.20E-06	8.20E-07	5.43E-07	0.00E+00	1.36E-06	1.50E-07	9.26E-08	0.00E+00	2.43E-07	8.40E-08	7.99E-08	0.00E+00	1.64E-07
28	481306.11	3768405.12	9.321E-07	4.20E-07	0.00E+00	1.35E-06	9.22E-07	6.12E-07	0.00E+00	1.53E-06	1.69E-07	1.04E-07	0.00E+00	2.74E-07	9.45E-08	8.99E-08	0.00E+00	1.84E-07
29	481306.01	3768415.06	1.037E-06	4.68E-07	0.00E+00	1.50E-06	1.03E-06	6.80E-07	0.00E+00	1.71E-06	1.88E-07	1.16E-07	0.00E+00	3.04E-07	1.05E-07	1.00E-07	0.00E+00	2.05E-07
30	481305.91	3768425	1.156E-06	5.21E-07	0.00E+00	1.68E-06	1.14E-06	7.58E-07	0.00E+00	1.90E-06	2.10E-07	1.29E-07	0.00E+00	3.39E-07	1.17E-07	1.11E-07	0.00E+00	2.29E-07
31	481305.81	3768434.94	1.325E-06	5.98E-07	0.00E+00	1.92E-06	1.31E-06	8.70E-07	0.00E+00	2.18E-06	2.41E-07	1.48E-07	0.00E+00	3.89E-07	1.34E-07	1.28E-07	0.00E+00	2.62E-07
32	481305.71	3768444.87	1.665E-06	7.51E-07	0.00E+00	2.42E-06	1.65E-06	1.09E-06	0.00E+00	2.74E-06	3.03E-07	1.86E-07	0.00E+00	4.89E-07	1.69E-07	1.61E-07	0.00E+00	3.30E-07
33	481305.66	3768324.67	1.884E-07	8.49E-08	0.00E+00	2.73E-07	1.86E-07	1.24E-07	0.00E+00	3.10E-07	3.42E-08	2.11E-08	0.00E+00	5.53E-08	1.91E-08	1.82E-08	0.00E+00	3.73E-08
34	481315.54	3768314.93	1.514E-07	6.83E-08	0.00E+00	2.20E-07	1.50E-07	9.93E-08	0.00E+00	2.49E-07	2.75E-08	1.69E-08	0.00E+00	4.44E-08	1.54E-08	1.46E-08	0.00E+00	3.00E-08
35	481329.44	3768309.27	1.359E-07	6.13E-08	0.00E+00	1.97E-07	1.35E-07	8.92E-08	0.00E+00	2.24E-07	2.47E-08	1.52E-08	0.00E+00	3.99E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
36	481296.77	3768355.33	3.72E-07	1.68E-07	0.00E+00	5.40E-07	3.68E-07	2.44E-07	0.00E+00	6.12E-07	6.76E-08	4.16E-08	0.00E+00	1.09E-07	3.77E-08	3.59E-08	0.00E+00	7.36E-08
37	481296.67	3768365.27	4.53E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.45E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.59E-08	4.37E-08	0.00E+00	8.96E-08
38	481296.57	3768375.21	5.396E-07	2.43E-07	0.00E+00	7.83E-07	5.34E-07	3.54E-07	0.00E+00	8.88E-07	9.81E-08	6.03E-08	0.00E+00	1.58E-07	5.47E-08	5.21E-08	0.00E+00	1.07E-07
39	481296.47	3768385.15	6.295E-07	2.84E-07	0.00E+00	9.13E-07	6.23E-07	4.13E-07	0.00E+00	1.04E-06	1.14E-07	7.04E-08	0.00E+00	1.85E-07	6.39E-08	6.07E-08	0.00E+00	1.25E-07
40	481296.37	3768395.08	7.204E-07	3.25E-07	0.00E+00	1.05E-06	7.13E-07	4.73E-07	0.00E+00	1.19E-06	1.31E-07	8.05E-08	0.00E+00	2.11E-07	7.31E-08	6.95E-08	0.00E+00	1.43E-07
41	481296.27	3768405.02	8.13E-07	3.67E-07	0.00E+00	1.18E-06	8.04E-07	5.33E-07	0.00E+00	1.34E-06	1.48E-07	9.09E-08	0.00E+00	2.39E-07	8.25E-08	7.84E-08	0.00E+00	1.61E-07
42	481296.17	3768414.96	9.116E-07	4.11E-07	0.00E+00	1.32E-06	9.02E-07	5.98E-07	0.00E+00	1.50E-06	1.66E-07	1.02E-07	0.00E+00	2.68E-07	9.25E-08	8.79E-08	0.00E+00	1.80E-07
43	481296.07	3768424.9	1.03E-06	4.64E-07	0.00E+00	1.49E-06	1.02E-06	6.76E-07	0.00E+00	1.69E-06	1.87E-07	1.15E-07	0.00E+00	3.02E-07	1.04E-07	9.94E-08	0.00E+00	2.04E-07
44	481295.97	3768434.84	1.205E-06	5.43E-07	0.00E+00	1.75E-06	1.19E-06	7.91E-07	0.00E+00	1.98E-06	2.19E-07	1.35E-07	0.00E+00	3.54E-07	1.22E-07	1.16E-07	0.00E+00	2.38E-07
45	481295.87	3768444.77	1.553E-06	7.01E-07	0.00E+00	2.25E-06	1.54E-06	1.02E-06	0.00E+00	2.56E-06	2.82E-07	1.74E-07	0.00E+00	4.56E-07	1.58E-07	1.50E-07	0.00E+00	3.07E-07
46	481298.02	3768319.39	1.615E-07	7.28E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.93E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
47	481310.37	3768307.22	1.254E-07	5.65E-08	0.00E+00	1.82E-07	1.24E-07	8.23E-08	0.00E+00	2.06E-07	2.28E-08	1.40E-08	0.00E+00	3.68E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
48	481319.05	3768303.68	1.177E-07	5.31E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
49	481327.74	3768300.14	1.107E-07	4.99E-08	0.00E+00	1.61E-07	1.10E-07	7.26E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.25E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
50	481287.03	3768345.3	2.765E-07	1.25E-07	0.00E+00	4.01E-07	2.74E-07	1.81E-07	0.00E+00	4.55E-07	5.02E-08	3.09E-08	0.00E+00	8.11E-08	2.80E-08	2.67E-08	0.00E+00	5.47E-08
51	481286.93	3768355.23	3.381E-07	1.52E-07	0.00E+00	4.91E-07	3.35E-07	2.22E-07	0.00E+00	5.56E-07	6.14E-08	3.78E-08	0.00E+00	9.92E-08	3.43E-08	3.26E-08	0.00E+00	6.69E-08
52	481286.83	3768365.17	4.066E-07	1.83E-07	0.00E+00	5.90E-07	4.02E-07	2.67E-07	0.00E+00	6.69E-07	7.39E-08	4.54E-08	0.00E+00	1.19E-07	4.12E-08	3.92E-08	0.00E+00	8.05E-08
53	481286.73	3768375.11	4.803E-07	2.17E-07	0.00E+00	6.97E-07	4.75E-07	3.15E-07	0.00E+00	7.90E-07	8.73E-08	5.37E-08	0.00E+00	1.41E-07	4.87E-08	4.63E-08	0.00E+00	9.51E-08
54	481286.63	3768385.05	5.575E-07	2.51E-07	0.00E+00	8.09E-07	5.52E-07	3.66E-07	0.00E+00	9.18E-07	1.01E-07	6.23E-08	0.00E+00	1.64E-07	5.66E-08	5.38E-08	0.00E+00	1.10E-07
55	481286.53	3768394.99	6.373E-07	2.87E-07	0.00E+00	9.25E-07	6.31E-07	4.18E-07	0.00E+00	1.05E-06	1.16E-07	7.12E-08	0.00E+00	1.87E-07	6.47E-08	6.15E-08	0.00E+00	1.26E-07
56	481286.43	3768404.92	7.21E-07	3.25E-07	0.00E+00	1.05E-06	7.13E-07	4.73E-07	0.00E+00	1.19E-06	1.31E-07	8.06E-08	0.00E+00	2.12E-07	7.31E-08	6.96E-08	0.00E+00	1.43E-07
57	481286.33	3768414.86	8.14E-07	3.67E-07	0.00E+00	1.18E-06	8.06E-07	5.34E-07	0.00E+00	1.34E-06	1.48E-07	9.10E-08	0.00E+00	2.39E-07	8.26E-08	7.85E-08	0.00E+00	1.61E-07
58	481286.23	3768424.8	9.305E-07	4.20E-07	0.00E+00	1.35E-06	9.21E-07	6.11E-07	0.00E+00	1.53E-06	1.69E-07	1.04E-07	0.00E+00	2.73E-07	9.44E-08	8.98E-08	0.00E+00	1.84E-07
59	481286.13	3768434.74	1.107E-06	4.99E-07	0.00E+00	1.61E-06	1.10E-06	7.26E-07	0.00E+00	1.82E-06	2.01E-07	1.24E-07	0.00E+00	3.25E-07	1.12E-07	1.07E-07	0.00E+00	2.19E-07
60	481286.03	3768444.68	1.46E-06	6.58E-07	0.00E+00	2.12E-06	1.44E-06	9.58E-07	0.00E+00	2.40E-06	2.65E-07	1.63E-07	0.00E+00	4.28E-07	1.48E-07	1.41E-07	0.00E+00	2.89E-07
61	481291.26	3768312.04	1.345E-07	6.07E-08	0.00E+00	1.95E-07	1.33E-07	8.83E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.95E-08	1.36E-08	1.30E-08	0.00E+00	2.66E-08
62	481303.11	3768300.35	1.071E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
63	481319.79	3768293.56	9.574E-08	4.32E-08	0.00E+00	1.39E-07	9.47E-08	6.28E-08	0.00E+00	1.58E-07	1.74E-08	1.07E-08	0.00E+00	2.81E-08	9.71E-09	9.24E-09	0.00E+00	1.89E-08
64	481277.09	3768355.13	3.102E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.04E-07	0.00E+00	5.10E-07	5.64E-08	3.47E-08	0.00E+00	9.10E-08	3.15E-08	2.99E-08	0.00E+00	6.14E-08
65	481276.99	3768365.07	3.692E-07	1.66E-07	0.00E+00	5.36E-07	3.65E-07	2.42E-07	0.00E+00	6.08E-07	6.71E-08	4.13E-08	0.00E+00	1.08E-07	3.74E-08	3.56E-08	0.00E+00	7.31E-08
66	481276.89	3768375.01	4.328E-07	1.95E-07	0.00E+00	6.28E-07	4.28E-07	2.84E-07	0.00E+00	7.12E-07	7.86E-08	4.84E-08	0.00E+00	1.27E-07	4.39E-08	4.17E-08	0.00E+00	8.56E-08
67	481276.79	3768384.95	5E-07	2.26E-07	0.00E+00	7.26E-07	4.95E-07	3.28E-07	0.00E+00	8.23E-07	9.09E-08	5.59E-08	0.00E+00	1.47E-07	5.07E-08	4.82E-08	0.00E+00	9.90E-08
68	481276.69	3768394.89	5.709E-07	2.57E-07	0.00E+00	8.28E-07	5.65E-07	3.75E-07	0.00E+00	9.39E-07	1.04E-07	6.38E-08	0.00E+00	1.68E-07	5.79E-08	5.51E-08	0.00E+00	1.13E-07
69	481276.59	3768404.82	6.47E-07	2.92E-07	0.00E+00	9.39E-07	6.40E-07	4.25E-07	0.00E+00	1.06E-06	1.18E-07	7.23E-08	0.00E+00	1.90E-07	6.56E-08	6.24E-08	0.00E+00	1.28E-07
70	481276.49	3768414.76	7.345E-07	3.31E-07	0.00E+00	1.07E-06	7.27E-07	4.82E-07	0.00E+00	1.21E-06	1.33E-07	8.21E-08	0.00E+00	2.16E-07	7.45E-08	7.09E-08	0.00E+00	1.45E-07
71	481276.39	3768424.7	8.48E-07	3.82E-07	0.00E+00	1.23E-06	8.39E-07	5.56E-07	0.00E+00	1.40E-06	1.54E-07	9.48E-08	0.00E+00	2.49E-07	8.60E-08	8.18E-08	0.00E+00	1.68E-07
72	481276.29	3768434.64	1.023E-06	4.61E-07	0.00E+00	1.48E-06	1.01E-06	6.71E-07	0.00E+00	1.68E-06	1.86E-07	1.14E-07	0.00E+00	3.00E-07	1.04E-07	9.87E-08	0.00E+00	2.02E-07
73	481276.19	3768444.58	1.376E-06	6.20E-07	0.00E+00	2.00E-06	1.36E-06	9.03E-07	0.00E+00	2.26E-06	2.50E-07	1.54E-07	0.00E+00	4.04E-07	1.40E-07	1.33E-07	0.00E+00	2.72E-07
74	481277.61	3768320.92	1.565E-07	7.06E-08	0.00E+00	2.27E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.84E-08	1.75E-08	0.00E+00	4.59E-08	1.59E-08	1.51E-08	0.00E+00	3.10E-08
75	481284.45	3768304.8	1.141E-07	5.15E-08	0.00E+00	1.66E-07	1.13E-07	7.49E-08	0.00E+00	1.88E-07	2.07E-08	1.28E-08	0.00E+00	3.35E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
76	481295.97	3768293.44	9.27E-08	4.18E-08	0.00E+00	1.35E-07	9.17E-08	6.08E-08	0.00E+00	1.53E-07	1.68E-08	1.04E-08	0.00E+00	2.72E-08	9.40E-09	8.94E-09	0.00E+00	1.83E-08
77	481312.19	3768286.83	8.36E-08	3.77E-08	0.00E+00	1.21E-07	8.27E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.34E-09	0.00E+00	2.45E-08	8.48E-09	8.06E-09	0.00E+00	1.65E-08
78	481328.4	3768280.22	7.62E-08	3.44E-08	0.00E+00	1.11E-07	7.54E-08	5.00E-08	0.00E+00	1.25E-07	1.38E-08	8.52E-09	0.00E+00	2.24E-08	7.73E-09	7.35E-09	0.00E+00	1.51E-08
79	481267.25	3768355.04	2.868E-07	1.29E-07	0.00E+00	4.16E-07	2.84E-07	1.88E-07	0.00E+00	4.72E-07	5.21E-08	3.20E-08	0.00E+00	8.42E-08	2.91E-08	2.77E-08	0.00E+00	5.68E-08
80	481267.15	3768364.97	3.382E-07	1.53E-07	0.00E+00	4.91E-07	3.35E-07	2.22E-07	0.00E+00	5.57E-07	6.14E-08	3.78E-08	0.00E+00	9.92E-08	3.43E-08	3.26E-08	0.00E+00	6.69E-08
81	481267.05	3768374.91	3.938E-07	1.78E-07	0.00E+00	5.71E-07	3.90E-07	2.58E-07	0.00E+00	6.48E-07	7.16E-08	4.40E-08	0.00E+00	1.16E-07	3.99E-08	3.80E-08	0.00E+00	7.79E-08
82	481266.95	3768384.85	4.531E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.46E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.60E-08	4.37E-08	0.00E+00	8.97E-08
83	481266.85	3768394.79	5.164E-07	2.33E-07	0.00E+00	7.49E-07	5.11E-07	3.39E-07	0.00E+00	8.50E-07	9.38E-08	5.77E-08	0.00E+00	1.52E-07	5.24E-08	4.98E-08	0.00E+00	1.02E-07
84	481266.75	3768404.73	5.86E-07	2.64E-07	0.00E+00	8.50E-07	5.80E-07	3.85E-07	0.00E+00	9.64E-07	1.06E-07	6.55E-08	0.00E+00	1.72E-07	5.94E-08	5.65E-08	0.00E+00	1.16E-07
85	481266.65	3768414.66	6.68E-07	3.01E-07	0.00E+00	9.69E-07	6.61E-07	4.38E-07	0.00E+00	1.10E-06	1.21E-07	7.47E-08	0.00E+00	1.96E-07	6.78E-08	6.44E-08	0.00E+00	1.32E-07
86	481266.55	3768424.6	7.774E-07	3.51E-07	0.00E+00	1.13E-06	7.69E-07	5.10E-07	0.00E+00	1.28E-06	1.41E-07	8.69E-08	0.00E+00	2.28E-07	7.89E-08	7.50E-08	0.00E+00	1.54E-07
87	481266.45	3768434.54	9.493E-07	4.28E-07	0.00E+00	1.38E-06	9.39E-07	6.23E-07	0.00E+00	1.56E-06	1.72E-07	1.06E-07	0.00E+00	2.79E-07	9.63E-08	9.16E-08	0.00E+00	1.88E-07
88	481266.35	3768444.48	1.298E-06	5.85E-07	0.00E+00	1.88E-06	1.28E-06	8.52E-07	0.00E+00	2.14E-06	2.36E-07	1.45E-07	0.00E+00	3.81E-07	1.32E-07	1.25E-07	0.00E+00	2.57E-07
89	481267.56	3768321.32	1.522E-07	6.86E-08	0.00E+00	2.21E-07	1.51E-07	9.99E-08	0.00E+00	2.50E-07	2.77E-08	1.70E-08	0.00E+00	4.47E-08	1.54E-08	1.47E-08	0.00E+00	3.01E-08
90	481274.26	3768305.53	1.136E-07	5.12E-08	0.00E+00	1.65E-07	1.12E-07	7.45E-08	0.00E+00	1.87E-07	2.06E-08	1.27E-08	0.00E+00	3.33E-08	1.15E-08	1.10E-08	0.00E+00	2.25E-08
91	481288.9	3768286.5	8.11E-08	3.66E-08	0.00E+00	1.18E-07	8.02E-08	5.32E-08	0.00E+00	1.33E-07	1.47E-08	9.06E-09	0.00E+00	2.38E-08	8.23E-09	7.82E-09	0.00E+00	1.60E-08
92	481304.78	3768280.03	7.368E-08	3.32E-08	0.00E+00	1.07E-07	7.29E-08	4.83E-08	0.00E+00	1.21E-07	1.34E-08	8.23E-09	0.00E+00	2.16E-08	7.47E-09	7.11E-09	0.00E+00	1.46E-08
93	481320.67	3768273.56	6.762E-08	3.05E-08	0.00E+00	9.81E-08	6.69E-08	4.44E-08	0.00E+00	1.11E-07	1.23E-08	7.56E-09	0.00E+00	1.98E-08	6.86E-09	6.52E-09	0.00E+00	1.34E-08
94	481257.41	3768354.94	2.669E-07	1.20E-07	0.00E+00	3.87E-07	2.64E-07	1.75E-07	0.00E+00	4.39E-07	4.85E-08	2.98E-08	0.00E+00	7.83E-08	2.71E-08	2.57E-08	0.00E+00	5.28E-08
95	481257.31	3768364.87	3.123E-07	1.41E-07	0.00E+00	4.53E-07	3.09E-07	2.05E-07	0.00E+00	5.14E-07	5.67E-08	3.49E-08	0.00E+00	9.16E-08	3.17E-08	3.01E-08	0.00E+00	6.18E-08
96	481257.21	3768374.81	3.615E-07	1.63E-07	0.00E+00	5.25E-07	3.58E-07	2.37E-07	0.00E+00	5.95E-07

116	481247.38	3768374.71	3.341E-07	1.51E-07	0.00E+00	4.85E-07	3.31E-07	2.19E-07	0.00E+00	5.50E-07	6.07E-08	3.73E-08	0.00E+00	9.80E-08	3.39E-08	3.22E-08	0.00E+00	6.61E-08
117	481247.28	3768384.65	3.814E-07	1.72E-07	0.00E+00	5.53E-07	3.77E-07	2.50E-07	0.00E+00	6.28E-07	6.93E-08	4.26E-08	0.00E+00	1.12E-07	3.87E-08	3.68E-08	0.00E+00	7.55E-08
118	481247.18	3768394.59	4.329E-07	1.95E-07	0.00E+00	6.28E-07	4.28E-07	2.84E-07	0.00E+00	7.12E-07	7.87E-08	4.84E-08	0.00E+00	1.27E-07	4.39E-08	4.18E-08	0.00E+00	8.57E-08
119	481247.08	3768404.53	4.911E-07	2.21E-07	0.00E+00	7.13E-07	4.86E-07	3.22E-07	0.00E+00	8.08E-07	8.92E-08	5.49E-08	0.00E+00	1.44E-07	4.98E-08	4.74E-08	0.00E+00	9.72E-08
120	481246.98	3768414.47	5.619E-07	2.53E-07	0.00E+00	8.15E-07	5.56E-07	3.69E-07	0.00E+00	9.25E-07	1.02E-07	6.28E-08	0.00E+00	1.65E-07	5.70E-08	5.42E-08	0.00E+00	1.11E-07
121	481246.88	3768424.4	6.594E-07	2.97E-07	0.00E+00	9.57E-07	6.53E-07	4.33E-07	0.00E+00	1.09E-06	1.20E-07	7.37E-08	0.00E+00	1.94E-07	6.69E-08	6.36E-08	0.00E+00	1.31E-07
122	481246.78	3768434.34	8.185E-07	3.69E-07	0.00E+00	1.19E-06	8.10E-07	5.37E-07	0.00E+00	1.35E-06	1.49E-07	9.15E-08	0.00E+00	2.40E-07	8.30E-08	7.90E-08	0.00E+00	1.62E-07
123	481246.68	3768444.28	1.146E-06	5.17E-07	0.00E+00	1.66E-06	1.13E-06	7.52E-07	0.00E+00	1.89E-06	2.08E-07	1.28E-07	0.00E+00	3.36E-07	1.16E-07	1.11E-07	0.00E+00	2.27E-07
124	481248.83	3768318.9	1.363E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.94E-08	0.00E+00	2.24E-07	2.48E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.31E-08	0.00E+00	2.70E-08
125	481252.49	3768310.26	1.18E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
126	481256.16	3768301.63	1.019E-07	4.59E-08	0.00E+00	1.48E-07	1.01E-07	6.69E-08	0.00E+00	1.68E-07	1.85E-08	1.14E-08	0.00E+00	2.99E-08	1.03E-08	9.83E-09	0.00E+00	2.02E-08
127	481259.82	3768293	8.8E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
128	481263.48	3768284.36	7.629E-08	3.44E-08	0.00E+00	1.11E-07	7.55E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.53E-09	0.00E+00	2.24E-08	7.74E-09	7.36E-09	0.00E+00	1.51E-08
129	481275.83	3768272.19	6.341E-08	2.86E-08	0.00E+00	9.20E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.09E-09	0.00E+00	1.86E-08	6.43E-09	6.12E-09	0.00E+00	1.25E-08
130	481284.52	3768268.65	6.048E-08	2.73E-08	0.00E+00	8.78E-08	5.98E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.77E-08	6.13E-09	5.83E-09	0.00E+00	1.20E-08
131	481293.2	3768265.11	5.78E-08	2.61E-08	0.00E+00	8.39E-08	5.72E-08	3.79E-08	0.00E+00	9.51E-08	1.05E-08	6.46E-09	0.00E+00	1.70E-08	5.86E-09	5.58E-09	0.00E+00	1.14E-08
132	481301.89	3768261.57	5.539E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.63E-08	0.00E+00	9.11E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.34E-09	0.00E+00	1.10E-08
133	481310.57	3768258.03	5.327E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.50E-08	0.00E+00	8.77E-08	9.68E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.14E-09	0.00E+00	1.05E-08
134	481319.26	3768254.49	5.14E-08	2.32E-08	0.00E+00	7.46E-08	5.09E-08	3.37E-08	0.00E+00	8.46E-08	9.34E-09	5.74E-09	0.00E+00	1.51E-08	5.21E-09	4.96E-09	0.00E+00	1.02E-08
135	481327.94	3768250.94	4.977E-08	2.24E-08	0.00E+00	7.22E-08	4.92E-08	3.27E-08	0.00E+00	8.19E-08	9.04E-09	5.56E-09	0.00E+00	1.46E-08	5.05E-09	4.80E-09	0.00E+00	9.85E-09
136	481237.74	3768354.74	2.344E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.88E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
137	481237.64	3768364.68	2.709E-07	1.22E-07	0.00E+00	3.93E-07	2.68E-07	1.78E-07	0.00E+00	4.46E-07	4.92E-08	3.03E-08	0.00E+00	7.95E-08	2.75E-08	2.61E-08	0.00E+00	5.36E-08
138	481237.54	3768374.61	3.104E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.04E-07	0.00E+00	5.11E-07	5.64E-08	3.47E-08	0.00E+00	9.11E-08	3.15E-08	2.99E-08	0.00E+00	6.14E-08
139	481237.44	3768384.55	3.531E-07	1.59E-07	0.00E+00	5.12E-07	3.49E-07	2.32E-07	0.00E+00	5.81E-07	6.42E-08	3.95E-08	0.00E+00	1.04E-07	3.58E-08	3.41E-08	0.00E+00	6.99E-08
140	481237.34	3768394.49	3.999E-07	1.80E-07	0.00E+00	5.80E-07	3.96E-07	2.62E-07	0.00E+00	6.58E-07	7.27E-08	4.47E-08	0.00E+00	1.17E-07	4.06E-08	3.86E-08	0.00E+00	7.91E-08
141	481237.24	3768404.43	4.53E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.45E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.59E-08	4.37E-08	0.00E+00	8.96E-08
142	481237.14	3768414.37	5.177E-07	2.33E-07	0.00E+00	7.51E-07	5.12E-07	3.40E-07	0.00E+00	8.52E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.25E-08	4.99E-08	0.00E+00	1.02E-07
143	481237.04	3768424.3	6.066E-07	2.74E-07	0.00E+00	8.80E-07	6.00E-07	3.98E-07	0.00E+00	9.98E-07	1.10E-07	6.78E-08	0.00E+00	1.78E-07	6.15E-08	5.85E-08	0.00E+00	1.20E-07
144	481236.94	3768434.24	7.521E-07	3.39E-07	0.00E+00	1.09E-06	7.44E-07	4.94E-07	0.00E+00	1.24E-06	1.37E-07	8.41E-08	0.00E+00	2.21E-07	7.63E-08	7.26E-08	0.00E+00	1.49E-07
145	481236.84	3768444.18	1.058E-06	4.77E-07	0.00E+00	1.53E-06	1.05E-06	6.94E-07	0.00E+00	1.74E-06	1.92E-07	1.18E-07	0.00E+00	3.10E-07	1.07E-07	1.02E-07	0.00E+00	2.09E-07
146	481238.75	3768319.37	1.328E-07	5.99E-08	0.00E+00	1.93E-07	1.31E-07	8.71E-08	0.00E+00	2.19E-07	2.41E-08	1.48E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
147	481245.91	3768302.49	1.013E-07	4.57E-08	0.00E+00	1.47E-07	1.00E-07	6.65E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.77E-09	0.00E+00	2.00E-08
148	481249.49	3768294.05	8.824E-08	3.98E-08	0.00E+00	1.28E-07	8.73E-08	5.79E-08	0.00E+00	1.45E-07	1.60E-08	9.86E-09	0.00E+00	2.59E-08	8.95E-09	8.51E-09	0.00E+00	1.75E-08
149	481253.07	3768285.61	7.701E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.61E-09	0.00E+00	2.26E-08	7.81E-09	7.43E-09	0.00E+00	1.52E-08
150	481268.73	3768265.26	5.692E-08	2.57E-08	0.00E+00	8.26E-08	5.63E-08	3.73E-08	0.00E+00	9.37E-08	1.03E-08	6.36E-09	0.00E+00	1.67E-08	5.77E-09	5.49E-09	0.00E+00	1.13E-08
151	481277.22	3768261.8	5.449E-08	2.46E-08	0.00E+00	7.91E-08	5.39E-08	3.58E-08	0.00E+00	8.97E-08	9.90E-09	6.09E-09	0.00E+00	1.60E-08	5.53E-09	5.26E-09	0.00E+00	1.08E-08
152	481285.72	3768258.34	5.226E-08	2.36E-08	0.00E+00	7.58E-08	5.17E-08	3.43E-08	0.00E+00	8.60E-08	9.49E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
153	481294.21	3768254.87	5.022E-08	2.26E-08	0.00E+00	7.29E-08	4.97E-08	3.30E-08	0.00E+00	8.26E-08	9.12E-09	5.61E-09	0.00E+00	1.47E-08	5.09E-09	4.84E-09	0.00E+00	9.94E-09
154	481302.7	3768251.41	4.841E-08	2.18E-08	0.00E+00	7.02E-08	4.79E-08	3.18E-08	0.00E+00	7.97E-08	8.80E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.58E-09
155	481311.19	3768247.95	4.682E-08	2.11E-08	0.00E+00	6.79E-08	4.63E-08	3.07E-08	0.00E+00	7.71E-08	8.51E-09	5.23E-09	0.00E+00	1.37E-08	4.75E-09	4.52E-09	0.00E+00	9.27E-09
156	481319.68	3768244.49	4.542E-08	2.05E-08	0.00E+00	6.59E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.08E-09	0.00E+00	1.33E-08	4.61E-09	4.38E-09	0.00E+00	8.99E-09
157	481328.18	3768241.03	4.42E-08	1.99E-08	0.00E+00	6.41E-08	4.37E-08	2.90E-08	0.00E+00	7.27E-08	8.03E-09	4.94E-09	0.00E+00	1.30E-08	4.48E-09	4.26E-09	0.00E+00	8.75E-09
158	481227.9	3768354.64	2.208E-07	9.96E-08	0.00E+00	3.20E-07	2.19E-07	1.45E-07	0.00E+00	3.63E-07	4.01E-08	2.47E-08	0.00E+00	6.48E-08	2.24E-08	2.13E-08	0.00E+00	4.37E-08
159	481227.8	3768364.58	2.538E-07	1.14E-07	0.00E+00	3.68E-07	2.51E-07	1.67E-07	0.00E+00	4.18E-07	4.61E-08	2.84E-08	0.00E+00	7.45E-08	2.57E-08	2.45E-08	0.00E+00	5.02E-08
160	481227.7	3768374.52	2.897E-07	1.31E-07	0.00E+00	4.20E-07	2.87E-07	1.90E-07	0.00E+00	4.77E-07	5.26E-08	3.24E-08	0.00E+00	8.50E-08	2.94E-08	2.79E-08	0.00E+00	5.73E-08
161	481227.6	3768384.45	3.285E-07	1.48E-07	0.00E+00	4.77E-07	3.25E-07	2.16E-07	0.00E+00	5.41E-07	5.97E-08	3.67E-08	0.00E+00	9.64E-08	3.33E-08	3.17E-08	0.00E+00	6.50E-08
162	481227.5	3768394.39	3.712E-07	1.67E-07	0.00E+00	5.39E-07	3.67E-07	2.44E-07	0.00E+00	6.11E-07	6.75E-08	4.15E-08	0.00E+00	1.09E-07	3.77E-08	3.58E-08	0.00E+00	7.35E-08
163	481227.4	3768404.33	4.198E-07	1.89E-07	0.00E+00	6.09E-07	4.15E-07	2.75E-07	0.00E+00	6.91E-07	7.63E-08	4.69E-08	0.00E+00	1.23E-07	4.26E-08	4.05E-08	0.00E+00	8.31E-08
164	481227.3	3768414.27	4.787E-07	2.16E-07	0.00E+00	6.95E-07	4.74E-07	3.14E-07	0.00E+00	7.88E-07	8.70E-08	5.35E-08	0.00E+00	1.40E-07	4.86E-08	4.62E-08	0.00E+00	9.47E-08
165	481227.2	3768424.21	5.582E-07	2.52E-07	0.00E+00	8.10E-07	5.52E-07	3.66E-07	0.00E+00	9.19E-07	1.01E-07	6.24E-08	0.00E+00	1.64E-07	5.66E-08	5.38E-08	0.00E+00	1.10E-07
166	481227.1	3768434.14	6.846E-07	3.09E-07	0.00E+00	9.93E-07	6.77E-07	4.49E-07	0.00E+00	1.13E-06	1.24E-07	7.65E-08	0.00E+00	2.01E-07	6.94E-08	6.60E-08	0.00E+00	1.35E-07
167	481227	3768444.08	9.509E-07	4.29E-07	0.00E+00	1.38E-06	9.41E-07	6.24E-07	0.00E+00	1.56E-06	1.73E-07	1.06E-07	0.00E+00	2.79E-07	9.65E-08	9.17E-08	0.00E+00	1.88E-07
168	481228.71	3768319.74	1.291E-07	5.82E-08	0.00E+00	1.87E-07	1.28E-07	8.47E-08	0.00E+00	2.12E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.55E-08
169	481235.75	3768303.16	1.002E-07	4.52E-08	0.00E+00	1.45E-07	9.91E-08	6.57E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.02E-08	9.67E-09	0.00E+00	1.98E-08
170	481239.26	3768294.87	8.798E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.49E-09	0.00E+00	1.74E-08
171	481246.3	3768278.29	6.802E-08	3.07E-08	0.00E+00	9.87E-08	6.73E-08	4.46E-08	0.00E+00	1.12E-07	1.24E-08	7.60E-09	0.00E+00	2.00E-08	6.90E-09	6.56E-09	0.00E+00	1.35E-08
172	481261.67	3768258.32	5.14E-08	2.32E-08	0.00E+00	7.46E-08	5.09E-08	3.37E-08	0.00E+00	8.46E-08	9.34E-09	5.74E-09	0.00E+00	1.51E-08	5.21E-09	4.96E-09	0.00E+00	1.02E-08
173	481278.35	3768251.52	4.751E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.12E-08	0.00E+00	7.82E-08	8.63E-09	5.31E-09	0.00E+00	1.39E-08	4.82E-09	4.58E-09	0.00E+00	9.40E-09
174	481286.68	3768248.12	4.579E-08	2.06E-08	0.00E+00	6.64E-08	4.53E-08	3.00E-08	0.00E+00	7.54E-08	8.32E-09	5.12E-09	0.00E+00	1.34E-08	4.64E-09	4.42E-09	0.00E+00	9.06E-09
175	481303.36	3768241.32	4.285E-08	1.93E-08	0.00E+00	6.22E-08	4.24E-08	2.81E-08	0.00E+00	7.05E-08	7.79E-09	4.79E-09	0.00E+00	1.26E-08	4.35E-09	4.13E-09	0.00E+00	8.48E-09
177	481218.06	3768354.54	2.088E-07	9.42E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.79E-08	2.33E-08	0.00E+00	6.13E-08	2.12E-08	2.01E-08	0.00E+00	4.13E-08
178	481217.96	3768364.48	2.389E-07	1.08E-07	0.00E+00	3.47E-07	2.36E-07	1.57E-07	0.00E+00	3.93E-07	4.34E-08	2.67E-08	0.00E+00	7.01E-08	2.42E-08	2.30E-08	0.00E+00	4.73E-08
179	481217.86	3768374.42	2.717E-07	1.23E-07	0.00E+00	3.94E-07	2.69E-07	1.78E-07	0.00E+00	4.47E-07	4.94E-08	3.04E-08	0.00E+00	7.97E-08	2.76E-08	2.62E-08	0.00E+00	5.38E-08
180	481217.76	3768384.35	3.073E-07	1.39E-07	0.00E+00	4.46E-07	3.04E-07	2.02E-07	0.00E+00	5.06E-07	5.58E-08	3.43E-08	0.00E+00	9.02E-08	3.12E-08	2.96E-08	0.00E+00	6.08E-08
181	481217.66	3768394.29	3.467E-07	1.56E-07	0.00E+00	5.03E-07	3.43E-07	2.28E-07	0.00E+00	5.71E-07	6.30E-08	3.87E-08	0.00E+00	1.02E-07	3.52E-08	3.34E-08	0.00E+00	6.86E-08
182	481217.56	3768404.23	3.915E-07	1.77E-07	0.00E+00	5.68E-07	3.87E-07	2.57E-07	0.00E+00	6.44E-07	7.11E-08	4.38E-08	0.00E+00	1.15E-07	3.97E-08	3.78E-08	0.00E+00	7.75E-08
183	481217.46	3768414.17	4.457E-07	2.01E-07	0.00E+00	6.47E-07	4.41E-07	2.92E-07	0.00E+00	7.33E-07	8.10E-08	4.98E-08	0.00E+00	1.31E-07	4.52E-08	4.30E-08	0.00E+00	8.82E-08
184	481217.36	3768424.11	5.175E-07	2.33E-07	0.00E+00	7.51E-07	5.12E-07	3.40E-07	0.00E+00	8.52E-07	9.40E-08	5.78E-08	0.00E+00	1.52E-07	5.25E-08	4.99E-08	0.00E+00	1.02E-07
185	481217.26	3768434.04	6.269E-07	2.83E-07	0.00E+00	9.10E-07	6.20E-07	4.11E-07	0.00E+00	1.03E-06	1.14E-07	7.01E-08	0.00E+00	1.84E-07	6.36E-08	6.05E-08	0.00E+00	1.24E-07
186	481217.16	3768443.98	8.356E-07	3.77E-07	0.00E+00	1.21E-06	8.27E-07	5.48E-07	0.00E+00	1.38E-06	1.52E-07	9.34E-08	0.00E+00	2.45E-07	8.48E-08	8.06E-08	0.00E+00	1.65E-07
187	481219.75	3768317.57	1.21E-07	5.46E-08	0.00E+00	1.76E-07	1.20E-07	7.94E-08	0.00E+00	1.99E-07	2.20E-08	1.35E-08	0.00E+00	3.55E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
188	481223.56	3768308.59	1.062E-07	4.79E-08	0.00E+00	1.54E-07	1.05E-07	6.97E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.02E-08	0.00E+00	2.10E-08
189	481227.37	3768299.61	9.282E-08	4.19E-08	0.00E+00	1.35E-07	9.19E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.42E-09	8.95E-09	0.00E+00	1.84E-08
190	481231.18	3768290.63	8.104E-08	3.65E-08	0.00E+00	1.18E-07	8.02E-08	5.32E-08	0.00E+00	1.33E-07	1.47E-08	9.06E-09	0.00E+00	2.38E-08	8.22E-09	7.82E-09	0.00E+00	1.60E-08
191	481234.99	3768281.65	7.08E-08	3.19E-08	0.00E+00	1.03E-07	7.01E-08	4.65E-08	0.00E+00	1.17E-07	1.29E-08	7.91E-09	0.00E+00	2.08E-08	7.18E-09	6.83E-09	0.00E+00	1.40E-08
192	481238.8	3768272.67	6.203E-08	2.80E-08	0.00E+00	9.00E-08	6.14E-08	4.07E-08	0.00E+00	1.02E-07	1.13E-08	6.93E-09	0.00E+00	1.82E-08	6.29E-09	5.98E-09	0.00E+00	1.23E-08
193	481242.61	3768263.69	5.465E-08	2.46E-08	0.00E+00	7.93E-08	5.41E-08	3.59E-08	0.00E+00	8.99E-08	9.93E-09	6.11E-09	0.00E+00	1.60E-08	5.54E-09	5.27E-09	0.00E+00	1.08E-08
194	481255.46	3768251.03	4.651E-08	2.10E-08	0.00E+00	6.75E-08	4.60E-08	3.05E-08	0.00E+00	7.65E-08	8.45E-09	5.20E-09	0.00E+00	1.36E-08	4.72E-09	4.49E-09	0.00E+00	9.20E-09
195	481264.49	3768247.34	4.466E-08	2.01E-08	0.00E+00	6.48E-08	4.42E-08	2.93E-08	0.00E+00	7.35E-08	8.11E-09	4.99E-09	0.00E+00	1.31E-08	4.53E-09	4.31E-09	0.00E+00	8.84E-09
196	481273.52	3768243.66	4.296E-08	1.94E-08	0.00E+00	6.23E-08	4.25E-08	2.82E-08	0.00E+00	7.07E-08	7.80E-09	4.80E-09	0.00E+00	1.26E-08	4.36E-09	4.14E-09	0.00E+00	8.50E-09
197	481282.55	3768239.98	4.139E-08	1.87E-08	0.00E+00	6.01E-08	4.10E-08	2.72E-08	0.00E+00	6.81E-08	7.52E-09	4.63E-09	0.00E+00	1.21E-08	4.20E-09	3.99E-09	0.00E+00	8.19E-09
203	481208.22	3768354.44	1.982E-07	8.94E-08	0.00E+00	2.88E-07	1.96E-07	1.30E-07	0.00E+00	3.26E-07	3.60E-08	2.21E-08	0.00E+00	5.82E-08	2.01E-08	1.91E-08	0.00E+00	3.92E-08
204	481208.12	3768364.38	2.259E-07	1.02E-07	0.00E+00	3.28E-07	2.23E-07	1.48E-07	0.00E+00	3.72E-07	4.10E-08	2.52E-08	0.00E+00	6.63E-08	2.29E-08	2.18E-08	0.00E+00	4.47E-08
205	481208.02	3768374.32	2.561E-07	1.15E-07	0.00E+00	3.72E-07	2.53E-07	1.68E-07	0.00E+00	4.21E-07	4.65E-08	2.86E-08	0.00E+00	7.51E-08	2.60E-08	2.47E-08	0.00E+00	5.07E-08
206	481207.92	3768384.26	2.891E-07	1.30E-07	0.00E+00	4.19E-07	2.86E-07	1.90E-07	0.00E+00	4.76E-07	5.25E-08	3.23E-08	0.00E+00	8.48E-08	2.93E-08	2.79E-08	0.00E+00	5.72E-08
207	481207.82	3768394.19	3.257E-07	1.47E-07	0.00E+00	4.73E-07	3.22E-07	2.14E-07	0.00E+00	5.36E-07	5.92E-08	3.64E-08	0.00E+00	9.56E-08	3.30E-08	3.14E-08	0.00E+00	6.45E-08
208	481207.72	3768404.13	3.676E-07	1.66E-07	0.00E+00	5.33E-07	3.64E-07	2.41E-07	0.00E+00	6.05E-07	6.68E-08	4.11E-08	0.00E+00	1.08E-07	3.73E-08	3.55E-08	0.00E+00	7.28E-08
209	481207.62	3768414.07	4.182E-07	1.89E-07	0.00E+00	6.07E-07	4.14E-07	2.74E-07	0.00E+00	6.88E-07	7.60E-08	4.67E-08	0.00E+00	1.23E-07	4.24E-08	4.03E-08	0.00E+00	8.28E-08
210	481207.52	3768424.01	4.847E-07	2.19E-07	0.00E+00	7.03E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.81E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.59E-08
211	481207.42	3768433.95	5.842E-07	2.63E-07	0.00E+00	8.48E-07	5.78E-07	3.83E-07	0.00E+00	9.61E-07	1.06E-07	6.53E-08	0.00E+00	1.71E-07	5.93E-08	5.64E-08	0.00E+00	1.16E-07
212	481207.32	3768443.88	7.47E-07	3.37E-07	0.00E+00	1.08E-06	7.39E-07	4.90E-07	0.00E+00	1.23E-06	1.36E-07	8.35E-08	0.00E+00	2.19E-07	7.58E-08	7.21E-08	0.00E+00	1.48E-07
213	481209.68	3768318.03	1.18E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.75E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
214	481213.41	3768309.24	1.044E-07	4.71E-08	0.00E+00	1.51E-07	1.03E-07	6.85E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.06E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
215	481217.14	3768300.45	9.2E-08	4.15E-08	0.00E+00	1.33E-07	9.10E-08	6.04E-08	0.00E+00	1.51E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.33E-09	8.88E-09	0.00E+00	1.82E-08
216	481220.87	3768291.66	8.093E-08	3.65E-08	0.00E+00	1.17E-07	8.01E-08	5.31E-08	0.00E+00	1.33E-07	1.47E-08	9.05E-09	0.00E+00	2.37E-08	8.21E-09	7.81E-09	0.00E+00	1.60E-08
217	481224.6	3768282.87	7.119E-08	3.21E-08	0.00E+00	1.03E-07	7.04E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.22E-09	6.87E-09	0.00E+00	1.41E-08
218	481228.33	3768274.08	6.273E-08	2.83E-08	0.00E+00	9.10E-08	6.21E-08	4.12E-08	0.00E+00	1.03E-07	1.14E-08

248	481225.28	3768257.96	5.001E-08	2.26E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.90E-09
249	481228.95	3768249.33	4.486E-08	2.02E-08	0.00E+00	6.51E-08	4.44E-08	2.94E-08	0.00E+00	7.38E-08	8.15E-09	5.01E-09	0.00E+00	1.32E-08	4.55E-09	4.33E-09	0.00E+00	8.88E-09
261	481188.55	3768354.24	1.804E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.18E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.29E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
262	481188.45	3768364.18	2.043E-07	9.21E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
263	481188.35	3768374.12	2.305E-07	1.04E-07	0.00E+00	3.34E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.19E-08	2.58E-08	0.00E+00	6.77E-08	2.34E-08	2.22E-08	0.00E+00	4.56E-08
264	481188.25	3768384.06	2.595E-07	1.17E-07	0.00E+00	3.76E-07	2.57E-07	1.70E-07	0.00E+00	4.27E-07	4.71E-08	2.90E-08	0.00E+00	7.61E-08	2.63E-08	2.50E-08	0.00E+00	5.14E-08
265	481188.15	3768394	2.919E-07	1.32E-07	0.00E+00	4.24E-07	2.89E-07	1.92E-07	0.00E+00	4.80E-07	5.30E-08	3.26E-08	0.00E+00	8.57E-08	2.96E-08	2.82E-08	0.00E+00	5.78E-08
266	481188.05	3768403.93	3.293E-07	1.49E-07	0.00E+00	4.78E-07	3.26E-07	2.16E-07	0.00E+00	5.42E-07	5.98E-08	3.68E-08	0.00E+00	9.66E-08	3.34E-08	3.18E-08	0.00E+00	6.52E-08
267	481187.95	3768413.87	3.745E-07	1.69E-07	0.00E+00	5.43E-07	3.71E-07	2.46E-07	0.00E+00	6.16E-07	6.80E-08	4.19E-08	0.00E+00	1.10E-07	3.80E-08	3.61E-08	0.00E+00	7.41E-08
268	481187.85	3768423.81	4.316E-07	1.95E-07	0.00E+00	6.26E-07	4.27E-07	2.83E-07	0.00E+00	7.10E-07	7.84E-08	4.82E-08	0.00E+00	1.27E-07	4.38E-08	4.16E-08	0.00E+00	8.54E-08
269	481187.75	3768433.75	5.051E-07	2.28E-07	0.00E+00	7.33E-07	5.00E-07	3.31E-07	0.00E+00	8.31E-07	9.18E-08	5.65E-08	0.00E+00	1.48E-07	5.12E-08	4.87E-08	0.00E+00	1.00E-07
270	481187.65	3768443.69	5.944E-07	2.68E-07	0.00E+00	8.62E-07	5.88E-07	3.90E-07	0.00E+00	9.78E-07	1.08E-07	6.64E-08	0.00E+00	1.74E-07	6.03E-08	5.73E-08	0.00E+00	1.18E-07
271	481189.63	3768318.7	1.123E-07	5.06E-08	0.00E+00	1.63E-07	1.11E-07	7.37E-08	0.00E+00	1.85E-07	2.04E-08	1.25E-08	0.00E+00	3.29E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
272	481193.24	3768310.2	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.95E-08	6.60E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.70E-09	0.00E+00	1.99E-08
273	481196.84	3768301.7	8.971E-08	4.05E-08	0.00E+00	1.30E-07	8.88E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.78E-08
274	481200.45	3768293.2	7.989E-08	3.60E-08	0.00E+00	1.16E-07	7.91E-08	5.24E-08	0.00E+00	1.31E-07	1.45E-08	8.93E-09	0.00E+00	2.34E-08	8.10E-09	7.71E-09	0.00E+00	1.58E-08
275	481204.06	3768284.7	7.108E-08	3.21E-08	0.00E+00	1.03E-07	7.03E-08	4.66E-08	0.00E+00	1.17E-07	1.29E-08	7.94E-09	0.00E+00	2.09E-08	7.21E-09	6.86E-09	0.00E+00	1.41E-08
276	481207.67	3768276.2	6.328E-08	2.85E-08	0.00E+00	9.18E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.42E-09	6.10E-09	0.00E+00	1.25E-08
277	481211.27	3768267.69	5.644E-08	2.55E-08	0.00E+00	8.19E-08	5.58E-08	3.70E-08	0.00E+00	9.29E-08	1.03E-08	6.31E-09	0.00E+00	1.66E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
278	481214.88	3768259.19	5.051E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.31E-08	0.00E+00	8.31E-08	9.18E-09	5.64E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
279	481218.49	3768250.69	4.54E-08	2.05E-08	0.00E+00	6.59E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.38E-09	0.00E+00	8.98E-09
280	481222.09	3768242.19	4.102E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.12E-09
293	481178.71	3768354.14	1.727E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
294	481178.61	3768364.08	1.951E-07	8.80E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.54E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.86E-08
295	481178.51	3768374.02	2.197E-07	9.91E-08	0.00E+00	3.19E-07	2.17E-07	1.44E-07	0.00E+00	3.62E-07	3.99E-08	2.46E-08	0.00E+00	6.45E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
296	481178.41	3768383.96	2.47E-07	1.11E-07	0.00E+00	3.58E-07	2.44E-07	1.62E-07	0.00E+00	4.06E-07	4.49E-08	2.76E-08	0.00E+00	7.25E-08	2.51E-08	2.38E-08	0.00E+00	4.89E-08
297	481178.31	3768393.9	2.776E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.04E-08	3.10E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.49E-08
298	481178.21	3768403.83	3.13E-07	1.41E-07	0.00E+00	4.54E-07	3.10E-07	2.05E-07	0.00E+00	5.15E-07	5.69E-08	3.50E-08	0.00E+00	9.18E-08	3.17E-08	3.02E-08	0.00E+00	6.19E-08
299	481178.11	3768413.77	3.552E-07	1.60E-07	0.00E+00	5.15E-07	3.51E-07	2.33E-07	0.00E+00	5.84E-07	6.45E-08	3.97E-08	0.00E+00	1.04E-07	3.60E-08	3.43E-08	0.00E+00	7.03E-08
300	481178.01	3768423.71	4.066E-07	1.83E-07	0.00E+00	5.90E-07	4.02E-07	2.67E-07	0.00E+00	6.69E-07	7.39E-08	4.54E-08	0.00E+00	1.19E-07	4.12E-08	3.92E-08	0.00E+00	8.05E-08
301	481177.91	3768433.65	4.686E-07	2.11E-07	0.00E+00	6.80E-07	4.64E-07	3.07E-07	0.00E+00	7.71E-07	8.51E-08	5.24E-08	0.00E+00	1.38E-07	4.75E-08	4.52E-08	0.00E+00	9.27E-08
302	481177.81	3768443.59	5.392E-07	2.43E-07	0.00E+00	7.82E-07	5.34E-07	3.54E-07	0.00E+00	8.87E-07	9.80E-08	6.03E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
303	481180.47	3768317.01	1.068E-07	4.82E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.94E-08	1.19E-08	0.00E+00	3.14E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
304	481184.3	3768307.98	9.528E-08	4.30E-08	0.00E+00	1.38E-07	9.43E-08	6.25E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.80E-08	9.67E-09	9.19E-09	0.00E+00	1.89E-08
305	481188.13	3768298.94	8.469E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.47E-09	0.00E+00	2.49E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
306	481191.97	3768289.91	7.514E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.20E-08	7.62E-09	7.25E-09	0.00E+00	1.49E-08
307	481195.8	3768280.88	6.661E-08	3.00E-08	0.00E+00	9.66E-08	6.59E-08	4.37E-08	0.00E+00	1.10E-07	1.21E-08	7.44E-09	0.00E+00	1.95E-08	6.76E-09	6.43E-09	0.00E+00	1.32E-08
308	481199.63	3768271.85	5.91E-08	2.67E-08	0.00E+00	8.57E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.60E-09	0.00E+00	1.73E-08	5.99E-09	5.70E-09	0.00E+00	1.17E-08
309	481203.46	3768262.81	5.255E-08	2.37E-08	0.00E+00	7.62E-08	5.20E-08	3.45E-08	0.00E+00	8.65E-08	9.55E-09	5.87E-09	0.00E+00	1.54E-08	5.33E-09	5.07E-09	0.00E+00	1.04E-08
310	481207.3	3768253.78	4.691E-08	2.12E-08	0.00E+00	6.81E-08	4.64E-08	3.08E-08	0.00E+00	7.72E-08	8.52E-09	5.24E-09	0.00E+00	1.38E-08	4.76E-09	4.53E-09	0.00E+00	9.28E-09
311	481211.13	3768244.75	4.208E-08	1.90E-08	0.00E+00	6.11E-08	4.16E-08	2.76E-08	0.00E+00	6.93E-08	7.65E-09	4.70E-09	0.00E+00	1.23E-08	4.27E-09	4.06E-09	0.00E+00	8.33E-09
325	481168.87	3768354.05	1.656E-07	7.47E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
326	481168.77	3768363.98	1.866E-07	8.41E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
327	481168.67	3768373.92	2.097E-07	9.46E-08	0.00E+00	3.04E-07	2.08E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
328	481168.57	3768383.86	2.354E-07	1.06E-07	0.00E+00	3.42E-07	2.33E-07	1.54E-07	0.00E+00	3.87E-07	4.28E-08	2.63E-08	0.00E+00	6.91E-08	2.39E-08	2.27E-08	0.00E+00	4.66E-08
329	481168.47	3768393.8	2.644E-07	1.19E-07	0.00E+00	3.84E-07	2.62E-07	1.73E-07	0.00E+00	4.35E-07	4.80E-08	2.95E-08	0.00E+00	7.76E-08	2.68E-08	2.55E-08	0.00E+00	5.23E-08
330	481168.37	3768403.74	2.976E-07	1.34E-07	0.00E+00	4.32E-07	2.94E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.73E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
331	481168.27	3768413.67	3.365E-07	1.52E-07	0.00E+00	4.88E-07	3.33E-07	2.21E-07	0.00E+00	5.54E-07	6.11E-08	3.76E-08	0.00E+00	9.87E-08	3.41E-08	3.25E-08	0.00E+00	6.66E-08
332	481168.17	3768423.61	3.822E-07	1.72E-07	0.00E+00	5.55E-07	3.78E-07	2.51E-07	0.00E+00	6.29E-07	6.94E-08	4.27E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.56E-08
333	481168.07	3768433.55	4.349E-07	1.96E-07	0.00E+00	6.31E-07	4.30E-07	2.85E-07	0.00E+00	7.16E-07	7.90E-08	4.86E-08	0.00E+00	1.28E-07	4.41E-08	4.20E-08	0.00E+00	8.61E-08
334	481167.97	3768443.49	4.924E-07	2.22E-07	0.00E+00	7.14E-07	4.87E-07	3.23E-07	0.00E+00	8.10E-07	8.95E-08	5.50E-08	0.00E+00	1.44E-07	4.99E-08	4.75E-08	0.00E+00	9.74E-08
335	481170.44	3768317.37	1.043E-07	4.70E-08	0.00E+00	1.51E-07	1.03E-07	6.84E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.06E-08	1.06E-08	1.01E-08	0.00E+00	2.06E-08
336	481174.21	3768308.49	9.359E-08	4.22E-08	0.00E+00	1.36E-07	9.26E-08	6.14E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.75E-08	9.49E-09	9.03E-09	0.00E+00	1.85E-08
337	481177.97	3768299.6	8.37E-08	3.77E-08	0.00E+00	1.21E-07	8.28E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.35E-09	0.00E+00	2.46E-08	8.49E-09	8.07E-09	0.00E+00	1.66E-08
338	481181.74	3768290.72	7.469E-08	3.37E-08	0.00E+00	1.08E-07	7.39E-08	4.90E-08	0.00E+00	1.23E-07	1.36E-08	8.35E-09	0.00E+00	2.19E-08	7.58E-09	7.21E-09	0.00E+00	1.48E-08
339	481185.51	3768281.84	6.657E-08	3.00E-08	0.00E+00	9.66E-08	6.59E-08	4.37E-08	0.00E+00	1.10E-07	1.21E-08	7.44E-09	0.00E+00	1.95E-08	6.75E-09	6.42E-09	0.00E+00	1.32E-08
340	481189.28	3768272.96	5.935E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.77E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
341	481193.05	3768264.08	5.3E-08	2.39E-08	0.00E+00	7.69E-08	5.24E-08	3.48E-08	0.00E+00	8.72E-08	9.63E-09	5.92E-09	0.00E+00	1.56E-08	5.38E-09	5.11E-09	0.00E+00	1.05E-08
342	481196.81	3768255.2	4.746E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.11E-08	0.00E+00	7.81E-08	8.62E-09	5.30E-09	0.00E+00	1.39E-08	4.81E-09	4.58E-09	0.00E+00	9.39E-09
343	481200.58	3768246.32	4.266E-08	1.92E-08	0.00E+00	6.19E-08	4.22E-08	2.80E-08	0.00E+00	7.02E-08	7.75E-09	4.77E-09	0.00E+00	1.25E-08	4.33E-09	4.12E-09	0.00E+00	8.44E-09
359	481159.03	3768353.95	1.59E-07	7.17E-08	0.00E+00	2.31E-07	1.57E-07	1.04E-07	0.00E+00	2.62E-07	2.89E-08	1.78E-08	0.00E+00	4.67E-08	1.61E-08	1.53E-08	0.00E+00	3.15E-08
360	481158.93	3768363.88	1.788E-07	8.06E-08	0.00E+00	2.59E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.25E-08	2.00E-08	0.00E+00	5.25E-08	1.81E-08	1.72E-08	0.00E+00	3.54E-08
361	481158.83	3768373.82	2.006E-07	9.05E-08	0.00E+00	2.91E-07	1.99E-07	1.32E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.89E-08	2.03E-08	1.94E-08	0.00E+00	3.97E-08
362	481158.73	3768383.76	2.249E-07	1.01E-07	0.00E+00	3.26E-07	2.22E-07	1.48E-07	0.00E+00	3.70E-07	4.09E-08	2.51E-08	0.00E+00	6.60E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
363	481158.63	3768393.7	2.521E-07	1.14E-07	0.00E+00	3.66E-07	2.49E-07	1.65E-07	0.00E+00	4.15E-07	4.58E-08	2.82E-08	0.00E+00	7.40E-08	2.56E-08	2.43E-08	0.00E+00	4.99E-08
364	481158.53	3768403.64	2.832E-07	1.28E-07	0.00E+00	4.11E-07	2.80E-07	1.86E-07	0.00E+00	4.66E-07	5.15E-08	3.16E-08	0.00E+00	8.31E-08	2.87E-08	2.73E-08	0.00E+00	5.60E-08
365	481158.43	3768413.57	3.188E-07	1.44E-07	0.00E+00	4.63E-07	3.15E-07	2.09E-07	0.00E+00	5.25E-07	5.79E-08	3.56E-08	0.00E+00	9.36E-08	3.23E-08	3.08E-08	0.00E+00	6.31E-08
366	481158.33	3768423.51	3.595E-07	1.62E-07	0.00E+00	5.22E-07	3.56E-07	2.36E-07	0.00E+00	5.92E-07	6.53E-08	4.02E-08	0.00E+00	1.05E-07	3.65E-08	3.47E-08	0.00E+00	7.11E-08
367	481158.23	3768433.45	4.047E-07	1.83E-07	0.00E+00	5.87E-07	4.00E-07	2.66E-07	0.00E+00	6.66E-07	7.35E-08	4.52E-08	0.00E+00	1.19E-07	4.11E-08	3.90E-08	0.00E+00	8.01E-08
368	481158.13	3768443.39	4.527E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.45E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.59E-08	4.37E-08	0.00E+00	8.96E-08
369	481160.43	3768317.66	1.018E-07	4.59E-08	0.00E+00	1.48E-07	1.01E-07	6.68E-08	0.00E+00	1.68E-07	1.85E-08	1.14E-08	0.00E+00	2.99E-08	1.03E-08	9.82E-09	0.00E+00	2.01E-08
370	481164.14	3768308.91	9.177E-08	4.14E-08	0.00E+00	1.33E-07	9.08E-08	6.02E-08	0.00E+00	1.51E-07	1.67E-08	1.03E-08	0.00E+00	2.69E-08	9.31E-09	8.85E-09	0.00E+00	1.82E-08
371	481167.86	3768300.16	8.251E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.37E-09	7.96E-09	0.00E+00	1.63E-08
372	481171.57	3768291.41	7.402E-08	3.34E-08	0.00E+00	1.07E-07	7.32E-08	4.86E-08	0.00E+00	1.22E-07	1.34E-08	8.27E-09	0.00E+00	2.17E-08	7.51E-09	7.14E-09	0.00E+00	1.46E-08
373	481175.28	3768282.66	6.632E-08	2.99E-08	0.00E+00	9.62E-08	6.56E-08	4.35E-08	0.00E+00	1.09E-07	1.21E-08	7.41E-09	0.00E+00	1.95E-08	6.73E-09	6.40E-09	0.00E+00	1.31E-08
374	481178.99	3768273.92	5.942E-08	2.68E-08	0.00E+00	8.62E-08	5.88E-08	3.90E-08	0.00E+00	9.78E-08	1.08E-08	6.64E-09	0.00E+00	1.74E-08	6.03E-09	5.73E-09	0.00E+00	1.18E-08
375	481182.71	3768265.17	5.327E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.50E-08	0.00E+00	8.77E-08	9.68E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.14E-09	0.00E+00	1.05E-08
376	481186.42	3768256.42	4.786E-08	2.16E-08	0.00E+00	6.94E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.85E-09	4.62E-09	0.00E+00	9.47E-09
377	481190.13	3768247.67	4.312E-08	1.94E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.83E-09	4.82E-09	0.00E+00	1.27E-08	4.37E-09	4.16E-09	0.00E+00	8.53E-09
395	481149.19	3768353.85	1.53E-07	6.90E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
396	481149.09	3768363.79	1.717E-07	7.74E-08	0.00E+00	2.49E-07	1.70E-07	1.13E-07	0.00E+00	2.82E-07	3.12E-08	1.92E-08	0.00E+00	5.04E-08	1.74E-08	1.66E-08	0.00E+00	3.40E-08
397	481148.99	3768373.72	1.922E-07	8.67E-08	0.00E+00	2.79E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.49E-08	2.15E-08	0.00E+00	5.64E-08	1.95E-08	1.85E-08	0.00E+00	3.80E-08
398	481148.89	3768383.66	2.151E-07	9.70E-08	0.00E+00	3.12E-07	2.13E-07	1.41E-07	0.00E+00	3.54E-07	3.91E-08	2.40E-08	0.00E+00	6.31E-08	2.18E-08	2.08E-08	0.00E+00	4.26E-08
399	481148.79	3768393.6	2.408E-07	1.09E-07	0.00E+00	3.49E-07	2.38E-07	1.58E-07	0.00E+00	3.96E-07	4.37E-08	2.69E-08	0.00E+00	7.07E-08	2.44E-08	2.32E-08	0.00E+00	4.76E-08
400	481148.69	3768403.54	2.696E-07	1.22E-07	0.00E+00	3.91E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.90E-08	3.01E-08	0.00E+00	7.91E-08	2.74E-08	2.60E-08	0.00E+00	5.34E-08
401	481148.59	3768413.48	3.022E-07	1.36E-07	0.00E+00	4.38E-07	2.99E-07	1.98E-07	0.00E+00	4.97E-07	5.49E-08	3.38E-08	0.00E+00	8.87E-08	3.07E-08	2.92E-08	0.00E+00	5.98E-08
402	481148.49	3768423.41	3.384E-07	1.53E-07	0.00E+00	4.91E-07	3.35E-07	2.22E-07	0.00E+00	5.57E-07	6.15E-08	3.78E-08	0.00E+00	9.93E-08	3.43E-08	3.26E-08	0.00E+00	6.70E-08
403	481148.39	3768433.35	3.777E-07	1.70E-07	0.00E+00	5.48E-07	3.74E-07	2.48E-07	0.00E+00	6.22E-07	6.86E-08	4.22E-08	0.00E+00	1.11E-07	3.83E-08	3.64E-08	0.00E+00	7.47E-08
404	481148.29	3768443.29	4.185E-07	1.89E-07	0.00E+00	6.07E-07	4.14E-07	2.75E-07	0.00E+00	6.89E-07	7.60E-08	4.68E-08	0.00E+00	1.23E-07	4.24E-08	4.04E-08	0.00E+00	8.28E-08
405	481150.45	3768317.91	9.934E-08	4.48E-08	0.00E+00	1.44E-07	9.83E-08	6.52E-08	0.00E+00	1.63E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.58E-09	0.00E+00	1.97E-08
406	481154.11	3768309.27	8.995E-08	4.06E-08	0.00E+00	1.31E-07	8.90E-08	5.90E-08	0.00E+00	1.48E-07	1.63E-08	1.01E-08	0.00E+00	2.64E-08	9.12E-09	8.68E-09	0.00E+00	1.78E-08
407	481157.77	3768300.64	8.123E-08	3.66E-08	0.00E+00	1.18E-07	8.04E-08	5.33E-08	0.00E+00	1.34E-07	1.48E-08	9.08E-09	0.00E+00	2.38E-08	8.24E-09	7.84E-09	0.00E+00	1.61E-08
408	481161.44	3768292.01	7.321E-08	3.30E-08	0.00E+00	1.06E-07	7.24E-08	4.80E-08	0.00E+00	1.20E-07	1.33E-08	8.18E-09	0.00E+00	2.15E-08	7.43E-09	7.06E-09	0.00E+00	1.45E-08
409	481165.1	3768283.37	6.589E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.36E-09	0.00E+00	1.30E-08
410	481168.76	3768274.74	5.928E-08	2.67E-08	0.00E+00	8.60E-08	5.87E-08	3.89E-08	0.00E+00	9.76E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.01E-09	5.72E-09	0.00E+00	1.17E-08
411	481172.43	3768266.1	5.336E-08	2.41E-08	0.00E+00	7.74E-08	5.28E-08	3.50E-08	0.00E+00	8.78E-08	9.70E-09	5.96E-09	0.00E+00	1.57E-08	5.41E-09	5.15E-09	0.00E+00	1.06E-08
412	481176.09	3768257.47	4.811E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.74E-

491	481119.08	3768413.18	2.582E-07	1.16E-07	0.00E+00	3.75E-07	2.56E-07	1.69E-07	0.00E+00	4.25E-07	4.69E-08	2.89E-08	0.00E+00	7.58E-08	2.62E-08	2.49E-08	0.00E+00	5.11E-08
492	481118.98	3768423.12	2.842E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.68E-07	5.16E-08	3.18E-08	0.00E+00	8.34E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
493	481118.88	3768433.05	3.109E-07	1.40E-07	0.00E+00	4.51E-07	3.08E-07	2.04E-07	0.00E+00	5.12E-07	5.65E-08	3.48E-08	0.00E+00	9.12E-08	3.15E-08	3.00E-08	0.00E+00	6.15E-08
494	481118.78	3768442.99	3.383E-07	1.53E-07	0.00E+00	4.91E-07	3.35E-07	2.22E-07	0.00E+00	5.57E-07	6.15E-08	3.78E-08	0.00E+00	9.93E-08	3.43E-08	3.26E-08	0.00E+00	6.69E-08
495	481117.43	3768325.86	1.001E-07	4.51E-08	0.00E+00	1.45E-07	9.90E-08	6.56E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.01E-08	9.65E-09	0.00E+00	1.98E-08
496	481121.18	3768317.04	9.125E-08	4.12E-08	0.00E+00	1.32E-07	9.03E-08	5.99E-08	0.00E+00	1.50E-07	1.66E-08	1.02E-08	0.00E+00	2.68E-08	9.26E-09	8.80E-09	0.00E+00	1.81E-08
497	481124.92	3768308.21	8.3E-08	3.74E-08	0.00E+00	1.20E-07	8.21E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
498	481147.39	3768255.25	4.572E-08	2.06E-08	0.00E+00	6.63E-08	4.52E-08	3.00E-08	0.00E+00	7.52E-08	8.31E-09	5.11E-09	0.00E+00	1.34E-08	4.64E-09	4.41E-09	0.00E+00	9.05E-09
499	481151.14	3768246.43	4.147E-08	1.87E-08	0.00E+00	6.02E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.21E-09	4.00E-09	0.00E+00	8.21E-09
523	481109.84	3768353.45	1.33E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
524	481109.74	3768363.39	1.481E-07	6.68E-08	0.00E+00	2.15E-07	1.47E-07	9.72E-08	0.00E+00	2.44E-07	2.69E-08	1.65E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
525	481109.64	3768373.33	1.646E-07	7.42E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.83E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
526	481109.54	3768383.27	1.826E-07	8.23E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.00E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
527	481109.44	3768393.2	2.021E-07	9.12E-08	0.00E+00	2.93E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.67E-08	2.26E-08	0.00E+00	5.93E-08	2.05E-08	1.95E-08	0.00E+00	4.00E-08
528	481109.34	3768403.14	2.233E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.55E-08	2.27E-08	2.15E-08	0.00E+00	4.42E-08
529	481109.24	3768413.08	2.459E-07	1.11E-07	0.00E+00	3.57E-07	2.43E-07	1.61E-07	0.00E+00	4.05E-07	4.47E-08	2.75E-08	0.00E+00	7.22E-08	2.49E-08	2.37E-08	0.00E+00	4.87E-08
530	481109.14	3768423.02	2.695E-07	1.22E-07	0.00E+00	3.91E-07	2.67E-07	1.77E-07	0.00E+00	4.43E-07	4.90E-08	3.01E-08	0.00E+00	7.91E-08	2.73E-08	2.60E-08	0.00E+00	5.33E-08
531	481109.04	3768432.96	2.936E-07	1.32E-07	0.00E+00	4.26E-07	2.91E-07	1.93E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.62E-08	2.98E-08	2.83E-08	0.00E+00	5.81E-08
532	481108.94	3768442.89	3.18E-07	1.43E-07	0.00E+00	4.61E-07	3.15E-07	2.09E-07	0.00E+00	5.23E-07	5.78E-08	3.55E-08	0.00E+00	9.33E-08	3.23E-08	3.07E-08	0.00E+00	6.29E-08
533	481107.51	3768325.96	9.749E-08	4.40E-08	0.00E+00	1.41E-07	9.65E-08	6.40E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.89E-09	9.40E-09	0.00E+00	1.93E-08
534	481111.21	3768317.24	8.92E-08	4.02E-08	0.00E+00	1.29E-07	8.83E-08	5.85E-08	0.00E+00	1.47E-07	1.62E-08	9.97E-09	0.00E+00	2.62E-08	9.05E-09	8.61E-09	0.00E+00	1.77E-08
535	481114.91	3768308.51	8.143E-08	3.67E-08	0.00E+00	1.18E-07	8.06E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.10E-09	0.00E+00	2.39E-08	8.26E-09	7.86E-09	0.00E+00	1.61E-08
536	481118.61	3768299.79	7.419E-08	3.35E-08	0.00E+00	1.08E-07	7.34E-08	4.87E-08	0.00E+00	1.22E-07	1.35E-08	8.29E-09	0.00E+00	2.18E-08	7.53E-09	7.16E-09	0.00E+00	1.47E-08
537	481122.32	3768291.06	6.746E-08	3.04E-08	0.00E+00	9.79E-08	6.68E-08	4.43E-08	0.00E+00	1.11E-07	1.23E-08	7.54E-09	0.00E+00	1.98E-08	6.84E-09	6.51E-09	0.00E+00	1.34E-08
563	481100	3768353.35	1.287E-07	5.80E-08	0.00E+00	1.87E-07	1.27E-07	8.44E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
564	481099.9	3768363.29	1.429E-07	6.45E-08	0.00E+00	2.07E-07	1.41E-07	9.38E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
565	481099.8	3768373.23	1.585E-07	7.15E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
566	481099.7	3768383.17	1.755E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
567	481099.6	3768393.1	1.938E-07	8.74E-08	0.00E+00	2.81E-07	1.92E-07	1.27E-07	0.00E+00	3.19E-07	3.52E-08	2.17E-08	0.00E+00	5.69E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
568	481099.5	3768403.04	2.136E-07	9.63E-08	0.00E+00	3.10E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.88E-08	2.39E-08	0.00E+00	6.27E-08	2.17E-08	2.06E-08	0.00E+00	4.23E-08
569	481099.4	3768412.98	2.344E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.88E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
570	481099.3	3768422.92	2.559E-07	1.15E-07	0.00E+00	3.71E-07	2.53E-07	1.68E-07	0.00E+00	4.21E-07	4.65E-08	2.86E-08	0.00E+00	7.51E-08	2.60E-08	2.47E-08	0.00E+00	5.06E-08
571	481099.2	3768432.86	2.778E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.05E-08	3.10E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
572	481099.1	3768442.79	2.997E-07	1.35E-07	0.00E+00	4.35E-07	2.97E-07	1.97E-07	0.00E+00	4.93E-07	5.44E-08	3.35E-08	0.00E+00	8.79E-08	3.04E-08	2.89E-08	0.00E+00	5.93E-08
573	481097.98	3768325.14	9.419E-08	4.25E-08	0.00E+00	1.37E-07	9.32E-08	6.18E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.55E-09	9.09E-09	0.00E+00	1.86E-08
574	481101.83	3768316.05	8.6E-08	3.88E-08	0.00E+00	1.25E-07	8.51E-08	5.64E-08	0.00E+00	1.42E-07	1.56E-08	9.61E-09	0.00E+00	2.52E-08	8.72E-09	8.30E-09	0.00E+00	1.70E-08
575	481105.69	3768306.96	7.835E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.76E-09	0.00E+00	2.30E-08	7.95E-09	7.56E-09	0.00E+00	1.55E-08
576	481109.55	3768297.87	7.123E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.23E-09	6.87E-09	0.00E+00	1.41E-08
577	481113.4	3768288.78	6.466E-08	2.92E-08	0.00E+00	9.38E-08	6.40E-08	4.24E-08	0.00E+00	1.06E-07	1.17E-08	7.23E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
578	481117.26	3768279.7	5.862E-08	2.64E-08	0.00E+00	8.51E-08	5.80E-08	3.85E-08	0.00E+00	9.65E-08	1.07E-08	6.55E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
579	481121.12	3768270.61	5.311E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.74E-08	9.65E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.12E-09	0.00E+00	1.05E-08
580	481124.97	3768261.52	4.811E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.74E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.52E-09
603	481090.16	3768353.25	1.245E-07	5.62E-08	0.00E+00	1.81E-07	1.23E-07	8.17E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
604	481090.06	3768363.19	1.381E-07	6.23E-08	0.00E+00	2.00E-07	1.37E-07	9.06E-08	0.00E+00	2.27E-07	2.51E-08	1.54E-08	0.00E+00	4.05E-08	1.40E-08	1.33E-08	0.00E+00	2.73E-08
605	481089.96	3768373.13	1.528E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.51E-07	2.78E-08	1.71E-08	0.00E+00	4.48E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
606	481089.86	3768383.07	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
607	481089.76	3768393.01	1.86E-07	8.39E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.38E-08	2.08E-08	0.00E+00	5.46E-08	1.89E-08	1.79E-08	0.00E+00	3.68E-08
608	481089.66	3768402.94	2.044E-07	9.22E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
609	481089.56	3768412.88	2.236E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.56E-08	2.27E-08	2.16E-08	0.00E+00	4.42E-08
610	481089.46	3768422.82	2.433E-07	1.10E-07	0.00E+00	3.53E-07	2.41E-07	1.60E-07	0.00E+00	4.00E-07	4.42E-08	2.72E-08	0.00E+00	7.14E-08	2.47E-08	2.35E-08	0.00E+00	4.82E-08
611	481089.36	3768432.76	2.633E-07	1.19E-07	0.00E+00	3.82E-07	2.61E-07	1.73E-07	0.00E+00	4.33E-07	4.78E-08	2.94E-08	0.00E+00	7.73E-08	2.67E-08	2.54E-08	0.00E+00	5.21E-08
612	481089.26	3768442.7	2.831E-07	1.28E-07	0.00E+00	4.11E-07	2.80E-07	1.86E-07	0.00E+00	4.66E-07	5.14E-08	3.16E-08	0.00E+00	8.31E-08	2.87E-08	2.73E-08	0.00E+00	5.60E-08
613	481088.05	3768325.26	9.192E-08	4.15E-08	0.00E+00	1.33E-07	9.10E-08	6.03E-08	0.00E+00	1.51E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.32E-09	8.87E-09	0.00E+00	1.82E-08
614	481091.86	3768316.28	8.416E-08	3.80E-08	0.00E+00	1.22E-07	8.33E-08	5.52E-08	0.00E+00	1.39E-07	1.53E-08	9.41E-09	0.00E+00	2.47E-08	8.54E-09	8.12E-09	0.00E+00	1.67E-08
615	481095.67	3768307.3	7.692E-08	3.47E-08	0.00E+00	1.12E-07	7.61E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.60E-09	0.00E+00	2.26E-08	7.80E-09	7.42E-09	0.00E+00	1.52E-08
616	481099.48	3768298.32	7.016E-08	3.16E-08	0.00E+00	1.02E-07	6.94E-08	4.60E-08	0.00E+00	1.15E-07	1.27E-08	7.84E-09	0.00E+00	2.06E-08	7.12E-09	6.77E-09	0.00E+00	1.39E-08
617	481103.29	3768289.34	6.39E-08	2.88E-08	0.00E+00	9.27E-08	6.32E-08	4.19E-08	0.00E+00	1.05E-07	1.16E-08	7.14E-09	0.00E+00	1.88E-08	6.48E-09	6.16E-09	0.00E+00	1.26E-08
618	481107.1	3768280.36	5.813E-08	2.62E-08	0.00E+00	8.43E-08	5.75E-08	3.81E-08	0.00E+00	9.57E-08	1.06E-08	6.50E-09	0.00E+00	1.71E-08	5.90E-09	5.61E-09	0.00E+00	1.15E-08
619	481110.91	3768271.38	5.285E-08	2.38E-08	0.00E+00	7.67E-08	5.23E-08	3.47E-08	0.00E+00	8.70E-08	9.60E-09	5.91E-09	0.00E+00	1.55E-08	5.36E-09	5.10E-09	0.00E+00	1.05E-08
620	481114.72	3768262.4	4.804E-08	2.17E-08	0.00E+00	6.97E-08	4.75E-08	3.15E-08	0.00E+00	7.91E-08	8.73E-09	5.37E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.51E-09
621	481118.53	3768253.42	4.369E-08	1.97E-08	0.00E+00	6.34E-08	4.32E-08	2.87E-08	0.00E+00	7.19E-08	7.94E-09	4.88E-09	0.00E+00	1.28E-08	4.43E-09	4.21E-09	0.00E+00	8.65E-09
622	481122.34	3768244.44	3.978E-08	1.79E-08	0.00E+00	5.77E-08	3.94E-08	2.61E-08	0.00E+00	6.55E-08	7.23E-09	4.45E-09	0.00E+00	1.17E-08	4.03E-09	3.84E-09	0.00E+00	7.87E-09
645	481080.33	3768353.15	1.207E-07	5.44E-08	0.00E+00	1.75E-07	1.19E-07	7.92E-08	0.00E+00	1.99E-07	2.19E-08	1.35E-08	0.00E+00	3.54E-08	1.22E-08	1.16E-08	0.00E+00	2.39E-08
646	481080.23	3768363.09	1.336E-07	6.02E-08	0.00E+00	1.94E-07	1.32E-07	8.76E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
647	481080.13	3768373.03	1.475E-07	6.65E-08	0.00E+00	2.14E-07	1.46E-07	9.68E-08	0.00E+00	2.43E-07	2.68E-08	1.65E-08	0.00E+00	4.33E-08	1.50E-08	1.42E-08	0.00E+00	2.92E-08
648	481080.03	3768382.97	1.625E-07	7.33E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.67E-07	2.95E-08	1.82E-08	0.00E+00	4.77E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
649	481079.93	3768392.91	1.786E-07	8.05E-08	0.00E+00	2.59E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.24E-08	2.00E-08	0.00E+00	5.24E-08	1.81E-08	1.72E-08	0.00E+00	3.53E-08
650	481079.83	3768402.84	1.956E-07	8.82E-08	0.00E+00	2.84E-07	1.94E-07	1.28E-07	0.00E+00	3.22E-07	3.55E-08	2.19E-08	0.00E+00	5.74E-08	1.98E-08	1.89E-08	0.00E+00	3.87E-08
651	481079.73	3768412.78	2.134E-07	9.62E-08	0.00E+00	3.10E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.88E-08	2.38E-08	0.00E+00	6.26E-08	2.16E-08	2.06E-08	0.00E+00	4.22E-08
652	481079.63	3768422.72	2.316E-07	1.04E-07	0.00E+00	3.36E-07	2.29E-07	1.52E-07	0.00E+00	3.81E-07	4.21E-08	2.59E-08	0.00E+00	6.80E-08	2.35E-08	2.23E-08	0.00E+00	4.58E-08
653	481079.53	3768432.66	2.5E-07	1.13E-07	0.00E+00	3.63E-07	2.47E-07	1.64E-07	0.00E+00	4.11E-07	4.54E-08	2.79E-08	0.00E+00	7.34E-08	2.54E-08	2.41E-08	0.00E+00	4.95E-08
654	481079.43	3768442.6	2.681E-07	1.21E-07	0.00E+00	3.89E-07	2.65E-07	1.76E-07	0.00E+00	4.41E-07	4.87E-08	3.00E-08	0.00E+00	7.87E-08	2.72E-08	2.59E-08	0.00E+00	5.31E-08
655	481078.12	3768325.36	8.979E-08	4.05E-08	0.00E+00	1.30E-07	8.89E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.64E-08	9.11E-09	8.66E-09	0.00E+00	1.78E-08
656	481081.89	3768316.48	8.243E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.21E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
657	481085.66	3768307.59	7.551E-08	3.41E-08	0.00E+00	1.10E-07	7.47E-08	4.96E-08	0.00E+00	1.24E-07	1.37E-08	8.44E-09	0.00E+00	2.22E-08	7.66E-09	7.28E-09	0.00E+00	1.49E-08
658	481089.43	3768298.71	6.907E-08	3.11E-08	0.00E+00	1.00E-07	6.83E-08	4.53E-08	0.00E+00	1.14E-07	1.25E-08	7.72E-09	0.00E+00	2.03E-08	7.01E-09	6.66E-09	0.00E+00	1.37E-08
659	481093.2	3768289.83	6.31E-08	2.85E-08	0.00E+00	9.16E-08	6.24E-08	4.14E-08	0.00E+00	1.04E-07	1.15E-08	7.05E-09	0.00E+00	1.85E-08	6.40E-09	6.09E-09	0.00E+00	1.25E-08
660	481096.97	3768280.95	5.758E-08	2.60E-08	0.00E+00	8.36E-08	5.70E-08	3.78E-08	0.00E+00	9.48E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.84E-09	5.55E-09	0.00E+00	1.14E-08
661	481100.73	3768272.07	5.251E-08	2.37E-08	0.00E+00	7.62E-08	5.20E-08	3.45E-08	0.00E+00	8.64E-08	9.54E-09	5.87E-09	0.00E+00	1.54E-08	5.33E-09	5.07E-09	0.00E+00	1.04E-08
662	481104.5	3768263.19	4.788E-08	2.16E-08	0.00E+00	6.95E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.86E-09	4.62E-09	0.00E+00	9.47E-09
663	481108.27	3768254.31	4.367E-08	1.97E-08	0.00E+00	6.34E-08	4.32E-08	2.87E-08	0.00E+00	7.19E-08	7.93E-09	4.88E-09	0.00E+00	1.28E-08	4.43E-09	4.21E-09	0.00E+00	8.64E-09
664	481112.04	3768245.43	3.986E-08	1.80E-08	0.00E+00	5.78E-08	3.94E-08	2.62E-08	0.00E+00	6.56E-08	7.24E-09	4.46E-09	0.00E+00	1.17E-08	4.04E-09	3.85E-09	0.00E+00	7.89E-09
665	481115.81	3768236.55	3.645E-08	1.64E-08	0.00E+00	5.29E-08	3.61E-08	2.39E-08	0.00E+00	6.00E-08	6.62E-09	4.07E-09	0.00E+00	1.07E-08	3.70E-09	3.52E-09	0.00E+00	7.21E-09
666	481119.57	3768227.67	3.34E-08	1.51E-08	0.00E+00	4.85E-08	3.30E-08	2.19E-08	0.00E+00	5.50E-08	6.07E-09	3.73E-09	0.00E+00	9.80E-09	3.39E-09	3.22E-09	0.00E+00	6.61E-09
667	481123.34	3768218.79	3.068E-08	1.38E-08	0.00E+00	4.45E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.57E-09	3.43E-09	0.00E+00	9.00E-09	3.11E-09	2.96E-09	0.00E+00	6.07E-09
689	481070.49	3768353.06	1.171E-07	5.28E-08	0.00E+00	1.70E-07	1.16E-07	7.68E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.44E-08	1.19E-08	1.13E-08	0.00E+00	2.32E-08
690	481070.39	3768362.99	1.293E-07	5.83E-08	0.00E+00	1.88E-07	1.28E-07	8.48E-08	0.00E+00	2.13E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.56E-08
691	481070.29	3768372.93	1.424E-07	6.42E-08	0.00E+00	2.07E-07	1.41E-07	9.35E-08	0.00E+00	2.34E-07	2.59E-08	1.59E-08	0.00E+00	4.18E-08	1.44E-08	1.37E-08	0.00E+00	2.82E-08
692	481070.19	3768382.87	1.566E-07	7.06E-08	0.00E+00	2.27E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.84E-08	1.75E-08	0.00E+00	4.59E-08	1.59E-08	1.51E-08	0.00E+00	3.10E-08
693	481070.09	3768392.81	1.716E-07	7.74E-08	0.00E+00	2.49E-07	1.70E-07	1.13E-07	0.00E+00	2.82E-07	3.12E-08	1.92E-08	0.00E+00	5.03E-08	1.74E-08	1.66E-08	0.00E+00	3.40E-08
694	481069.99	3768402.75	1.874E-07	8.45E-08	0.00E+00	2.72E-07	1.85E-07	1.23E-07	0.00E+00	3.08E-07	3.40E-08	2.09E-08	0.00E+00	5.50E-08	1.90E-08	1.81E-08	0.00E+00	3.71E-08
695	481069.89	3768412.68	2.038E-07	9.19E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.03E-08
696	481069.79	3768422.62	2.207E-07	9.95E-08	0.00E+00	3.20E-07	2.18E-07	1.45E-07	0.00E+00	3.63E-07	4.01E-08	2.47E-08	0.00E+00	6.48E-08	2.24E-08	2.13E-08	0.00E+00	4.37E-08
697	481069.69	3768432.56	2.377E-07	1.07E-07	0.00E+00	3.45E-07	2.35E-07	1.56E-07	0.00E+00	3.91E-07	4.32E-08	2.66E-08	0.00E+00	6.98E-08	2.41E-08	2.29E-08	0.00E+00	4.70E-08
698	481069.59	3768442.5	2.544E-07	1.15E-07	0.00E+00	3.69E-07	2.52E-07	1.67E-07	0.00E+00	4.19E-07	4.62E-08	2.84E-08	0.00E+00	7.46E-08	2.58E-08	2.45E-08	0.00E+00	5.03E-08
699	481068.21	3768325.44	8.773E-08	3.96E-08	0.00E+00	1.27E-07	8.68E-08	5.76E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.90E-09	8.46E-09	0.00E+00	1.74E-08
700	481071.94	3768316.65	8.073E-08	3.64E-08	0.00E+00	1.17E-07	7.99E-08	5.30E-08	0.00E+00	1.33E-07	1.47E-

743	481059.95	3768422.52	2.106E-07	9.50E-08	0.00E+00	3.06E-07	2.08E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.35E-08	0.00E+00	6.18E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
744	481059.85	3768432.46	2.264E-07	1.02E-07	0.00E+00	3.28E-07	2.24E-07	1.49E-07	0.00E+00	3.73E-07	4.11E-08	2.53E-08	0.00E+00	6.64E-08	2.30E-08	2.18E-08	0.00E+00	4.48E-08
745	481059.75	3768442.4	2.418E-07	1.09E-07	0.00E+00	3.51E-07	2.39E-07	1.59E-07	0.00E+00	3.98E-07	4.39E-08	2.70E-08	0.00E+00	7.09E-08	2.45E-08	2.33E-08	0.00E+00	4.78E-08
746	481058.64	3768324.71	8.51E-08	3.84E-08	0.00E+00	1.23E-07	8.42E-08	5.58E-08	0.00E+00	1.40E-07	1.55E-08	9.51E-09	0.00E+00	2.50E-08	8.63E-09	8.21E-09	0.00E+00	1.68E-08
747	481062.5	3768315.6	7.819E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
748	481066.37	3768306.5	7.173E-08	3.23E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.10E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
749	481070.23	3768297.39	6.568E-08	2.96E-08	0.00E+00	9.53E-08	6.50E-08	4.31E-08	0.00E+00	1.08E-07	1.19E-08	7.34E-09	0.00E+00	1.93E-08	6.66E-09	6.34E-09	0.00E+00	1.30E-08
750	481074.09	3768288.29	6.007E-08	2.71E-08	0.00E+00	8.72E-08	5.94E-08	3.94E-08	0.00E+00	9.89E-08	1.09E-08	6.71E-09	0.00E+00	1.76E-08	6.09E-09	5.79E-09	0.00E+00	1.19E-08
751	481077.96	3768279.18	5.487E-08	2.47E-08	0.00E+00	7.96E-08	5.43E-08	3.60E-08	0.00E+00	9.03E-08	9.97E-09	6.13E-09	0.00E+00	1.61E-08	5.57E-09	5.29E-09	0.00E+00	1.09E-08
752	481081.82	3768270.08	5.009E-08	2.26E-08	0.00E+00	7.27E-08	4.96E-08	3.29E-08	0.00E+00	8.24E-08	9.10E-09	5.60E-09	0.00E+00	1.47E-08	5.08E-09	4.83E-09	0.00E+00	9.91E-09
753	481085.68	3768260.97	4.572E-08	2.06E-08	0.00E+00	6.63E-08	4.52E-08	3.00E-08	0.00E+00	7.52E-08	8.31E-09	5.11E-09	0.00E+00	1.34E-08	4.64E-09	4.41E-09	0.00E+00	9.05E-09
754	481089.55	3768251.87	4.175E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.23E-09	4.03E-09	0.00E+00	8.26E-09
755	481093.41	3768242.76	3.816E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.50E-08	0.00E+00	6.28E-08	6.93E-09	4.26E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.55E-09
756	481097.27	3768233.66	3.493E-08	1.58E-08	0.00E+00	5.07E-08	3.46E-08	2.29E-08	0.00E+00	5.75E-08	6.35E-09	3.90E-09	0.00E+00	1.03E-08	3.54E-09	3.37E-09	0.00E+00	6.91E-09
757	481101.14	3768224.55	3.204E-08	1.44E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.27E-08	5.82E-09	3.58E-09	0.00E+00	9.40E-09	3.25E-09	3.09E-09	0.00E+00	6.34E-09
758	481105	3768215.45	2.946E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.85E-08	5.35E-09	3.29E-09	0.00E+00	8.64E-09	2.99E-09	2.84E-09	0.00E+00	5.83E-09
759	481108.86	3768206.34	2.716E-08	1.22E-08	0.00E+00	3.94E-08	2.69E-08	1.78E-08	0.00E+00	4.47E-08	4.93E-09	3.04E-09	0.00E+00	7.97E-09	2.75E-09	2.62E-09	0.00E+00	5.37E-09
760	481112.73	3768197.24	2.512E-08	1.13E-08	0.00E+00	3.64E-08	2.49E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.81E-09	0.00E+00	7.37E-09	2.55E-09	2.42E-09	0.00E+00	4.97E-09
761	481116.59	3768188.13	2.331E-08	1.05E-08	0.00E+00	3.38E-08	2.31E-08	1.53E-08	0.00E+00	3.84E-08	4.24E-09	2.61E-09	0.00E+00	6.84E-09	2.36E-09	2.25E-09	0.00E+00	4.61E-09
785	481050.81	3768352.86	1.103E-07	4.97E-08	0.00E+00	1.60E-07	1.09E-07	7.24E-08	0.00E+00	1.82E-07	2.00E-08	1.23E-08	0.00E+00	3.24E-08	1.12E-08	1.06E-08	0.00E+00	2.18E-08
786	481050.71	3768362.8	1.213E-07	5.47E-08	0.00E+00	1.76E-07	1.20E-07	7.96E-08	0.00E+00	2.00E-07	2.20E-08	1.36E-08	0.00E+00	3.56E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
787	481050.61	3768372.73	1.331E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
788	481050.51	3768382.67	1.456E-07	6.57E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.40E-07	2.65E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
789	481050.41	3768392.61	1.588E-07	7.16E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.66E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
790	481050.31	3768402.55	1.725E-07	7.78E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
791	481050.21	3768412.49	1.868E-07	8.42E-08	0.00E+00	2.71E-07	1.85E-07	1.23E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.70E-08
792	481050.11	3768422.42	2.013E-07	9.08E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.31E-07	3.66E-08	2.25E-08	0.00E+00	5.91E-08	2.04E-08	1.94E-08	0.00E+00	3.98E-08
793	481050.01	3768432.36	2.159E-07	9.74E-08	0.00E+00	3.13E-07	2.14E-07	1.42E-07	0.00E+00	3.55E-07	3.92E-08	2.41E-08	0.00E+00	6.34E-08	2.19E-08	2.08E-08	0.00E+00	4.27E-08
794	481049.91	3768442.3	2.302E-07	1.04E-07	0.00E+00	3.34E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.18E-08	2.57E-08	0.00E+00	6.76E-08	2.33E-08	2.22E-08	0.00E+00	4.56E-08
795	481048.72	3768324.8	8.32E-08	3.75E-08	0.00E+00	1.21E-07	8.23E-08	5.46E-08	0.00E+00	1.37E-07	1.51E-08	9.30E-09	0.00E+00	2.44E-08	8.44E-09	8.03E-09	0.00E+00	1.65E-08
796	481052.54	3768315.79	7.665E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.39E-09	0.00E+00	1.52E-08
797	481056.36	3768306.78	7.049E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
798	481060.19	3768297.77	6.473E-08	2.92E-08	0.00E+00	9.39E-08	6.40E-08	4.25E-08	0.00E+00	1.07E-07	1.18E-08	7.23E-09	0.00E+00	1.90E-08	6.57E-09	6.24E-09	0.00E+00	1.28E-08
799	481064.01	3768288.76	5.935E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.77E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
800	481067.83	3768279.75	5.437E-08	2.45E-08	0.00E+00	7.89E-08	5.38E-08	3.57E-08	0.00E+00	8.95E-08	9.88E-09	6.08E-09	0.00E+00	1.60E-08	5.52E-09	5.24E-09	0.00E+00	1.08E-08
801	481071.66	3768270.74	4.977E-08	2.24E-08	0.00E+00	7.22E-08	4.93E-08	3.27E-08	0.00E+00	8.19E-08	9.04E-09	5.56E-09	0.00E+00	1.46E-08	5.05E-09	4.80E-09	0.00E+00	9.85E-09
802	481075.48	3768261.73	4.555E-08	2.05E-08	0.00E+00	6.61E-08	4.51E-08	2.99E-08	0.00E+00	7.50E-08	8.28E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.02E-09
803	481079.3	3768252.73	4.17E-08	1.88E-08	0.00E+00	6.05E-08	4.13E-08	2.74E-08	0.00E+00	6.86E-08	7.58E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
804	481083.12	3768243.72	3.82E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
805	481086.95	3768234.71	3.503E-08	1.58E-08	0.00E+00	5.08E-08	3.47E-08	2.30E-08	0.00E+00	5.76E-08	6.36E-09	3.91E-09	0.00E+00	1.03E-08	3.55E-09	3.38E-09	0.00E+00	6.93E-09
806	481090.77	3768225.7	3.218E-08	1.45E-08	0.00E+00	4.67E-08	3.18E-08	2.11E-08	0.00E+00	5.30E-08	5.85E-09	3.60E-09	0.00E+00	9.44E-09	3.26E-09	3.10E-09	0.00E+00	6.37E-09
807	481094.59	3768216.69	2.963E-08	1.34E-08	0.00E+00	4.30E-08	2.93E-08	1.94E-08	0.00E+00	4.88E-08	5.38E-09	3.31E-09	0.00E+00	8.70E-09	3.01E-09	2.86E-09	0.00E+00	5.86E-09
808	481098.42	3768207.68	2.735E-08	1.23E-08	0.00E+00	3.97E-08	2.71E-08	1.79E-08	0.00E+00	4.50E-08	4.97E-09	3.06E-09	0.00E+00	8.03E-09	2.77E-09	2.64E-09	0.00E+00	5.41E-09
809	481102.24	3768198.67	2.532E-08	1.14E-08	0.00E+00	3.67E-08	2.51E-08	1.66E-08	0.00E+00	4.17E-08	4.60E-09	2.83E-09	0.00E+00	7.43E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
810	481106.06	3768189.66	2.351E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.38E-09	2.27E-09	0.00E+00	4.65E-09
811	481109.88	3768180.65	2.19E-08	9.88E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.60E-08	3.98E-09	2.45E-09	0.00E+00	6.43E-09	2.22E-09	2.11E-09	0.00E+00	4.33E-09
837	481040.97	3768352.76	1.071E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
838	481040.87	3768362.7	1.176E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
839	481040.77	3768372.63	1.287E-07	5.80E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
840	481040.67	3768382.57	1.405E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.22E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
841	481040.57	3768392.51	1.529E-07	6.90E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
842	481040.47	3768402.45	1.658E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
843	481040.37	3768412.39	1.791E-07	8.08E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.25E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.54E-08
844	481040.27	3768422.32	1.927E-07	8.69E-08	0.00E+00	2.80E-07	1.91E-07	1.26E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.65E-08	1.95E-08	1.86E-08	0.00E+00	3.81E-08
845	481040.17	3768432.26	2.062E-07	9.30E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.75E-08	2.30E-08	0.00E+00	6.05E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
846	481040.07	3768442.2	2.195E-07	9.90E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.61E-07	3.99E-08	2.45E-08	0.00E+00	6.44E-08	2.23E-08	2.12E-08	0.00E+00	4.34E-08
847	481038.81	3768324.88	8.137E-08	3.67E-08	0.00E+00	1.18E-07	8.05E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.09E-09	0.00E+00	2.39E-08	8.25E-09	7.85E-09	0.00E+00	1.61E-08
848	481042.59	3768315.96	7.514E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.21E-08	7.62E-09	7.25E-09	0.00E+00	1.49E-08
849	481046.38	3768307.03	6.927E-08	3.12E-08	0.00E+00	1.01E-07	6.85E-08	4.55E-08	0.00E+00	1.14E-07	1.26E-08	7.74E-09	0.00E+00	2.03E-08	7.03E-09	6.68E-09	0.00E+00	1.37E-08
850	481050.16	3768298.11	6.376E-08	2.88E-08	0.00E+00	9.25E-08	6.31E-08	4.18E-08	0.00E+00	1.05E-07	1.16E-08	7.13E-09	0.00E+00	1.87E-08	6.47E-09	6.15E-09	0.00E+00	1.26E-08
851	481053.95	3768289.19	5.862E-08	2.64E-08	0.00E+00	8.51E-08	5.80E-08	3.85E-08	0.00E+00	9.65E-08	1.07E-08	6.55E-09	0.00E+00	1.72E-08	5.95E-09	5.65E-09	0.00E+00	1.16E-08
852	481057.73	3768280.27	5.383E-08	2.43E-08	0.00E+00	7.81E-08	5.33E-08	3.53E-08	0.00E+00	8.86E-08	9.78E-09	6.02E-09	0.00E+00	1.58E-08	5.46E-09	5.19E-09	0.00E+00	1.07E-08
853	481061.52	3768271.35	4.941E-08	2.23E-08	0.00E+00	7.17E-08	4.89E-08	3.24E-08	0.00E+00	8.13E-08	8.98E-09	5.52E-09	0.00E+00	1.45E-08	5.01E-09	4.77E-09	0.00E+00	9.78E-09
854	481065.31	3768262.42	4.533E-08	2.04E-08	0.00E+00	6.58E-08	4.49E-08	2.97E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
855	481069.09	3768253.5	4.16E-08	1.88E-08	0.00E+00	6.04E-08	4.12E-08	2.73E-08	0.00E+00	6.85E-08	7.56E-09	4.65E-09	0.00E+00	1.22E-08	4.22E-09	4.01E-09	0.00E+00	8.23E-09
856	481072.88	3768244.58	3.819E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.28E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
857	481076.66	3768235.66	3.509E-08	1.58E-08	0.00E+00	5.09E-08	3.47E-08	2.30E-08	0.00E+00	5.78E-08	6.38E-09	3.92E-09	0.00E+00	1.03E-08	3.56E-09	3.39E-09	0.00E+00	6.95E-09
858	481080.45	3768226.74	3.229E-08	1.46E-08	0.00E+00	4.69E-08	3.20E-08	2.12E-08	0.00E+00	5.31E-08	5.87E-09	3.61E-09	0.00E+00	9.48E-09	3.28E-09	3.12E-09	0.00E+00	6.39E-09
859	481084.23	3768217.81	2.977E-08	1.34E-08	0.00E+00	4.32E-08	2.95E-08	1.95E-08	0.00E+00	4.90E-08	5.41E-09	3.33E-09	0.00E+00	8.74E-09	3.02E-09	2.87E-09	0.00E+00	5.89E-09
860	481088.02	3768208.89	2.751E-08	1.24E-08	0.00E+00	3.99E-08	2.72E-08	1.81E-08	0.00E+00	4.53E-08	5.00E-09	3.07E-09	0.00E+00	8.07E-09	2.79E-09	2.65E-09	0.00E+00	5.44E-09
861	481091.81	3768199.97	2.549E-08	1.15E-08	0.00E+00	3.70E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.63E-09	2.85E-09	0.00E+00	7.48E-09	2.59E-09	2.46E-09	0.00E+00	5.04E-09
862	481095.59	3768191.05	2.369E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.28E-09	0.00E+00	4.69E-09
863	481099.38	3768182.13	2.207E-08	9.96E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.01E-09	2.47E-09	0.00E+00	6.48E-09	2.24E-09	2.13E-09	0.00E+00	4.37E-09
890	481031.14	3768352.66	1.041E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.83E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.06E-08	1.00E-08	0.00E+00	2.06E-08
891	481031.04	3768362.6	1.14E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
892	481030.94	3768372.54	1.246E-07	5.62E-08	0.00E+00	1.81E-07	1.23E-07	8.17E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.66E-08	1.26E-08	1.20E-08	0.00E+00	2.47E-08
893	481030.84	3768382.47	1.357E-07	6.12E-08	0.00E+00	1.97E-07	1.34E-07	8.91E-08	0.00E+00	2.23E-07	2.47E-08	1.52E-08	0.00E+00	3.98E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
894	481030.74	3768392.41	1.474E-07	6.65E-08	0.00E+00	2.14E-07	1.46E-07	9.67E-08	0.00E+00	2.43E-07	2.68E-08	1.65E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.92E-08
895	481030.64	3768402.35	1.595E-07	7.19E-08	0.00E+00	2.31E-07	1.58E-07	1.05E-07	0.00E+00	2.62E-07	2.90E-08	1.78E-08	0.00E+00	4.68E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
896	481030.54	3768412.29	1.719E-07	7.75E-08	0.00E+00	2.49E-07	1.70E-07	1.13E-07	0.00E+00	2.83E-07	3.12E-08	1.92E-08	0.00E+00	5.05E-08	1.74E-08	1.66E-08	0.00E+00	3.40E-08
897	481030.44	3768422.23	1.846E-07	8.33E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.35E-08	2.06E-08	0.00E+00	5.42E-08	1.87E-08	1.78E-08	0.00E+00	3.65E-08
898	481030.34	3768432.16	1.972E-07	8.90E-08	0.00E+00	2.86E-07	1.95E-07	1.29E-07	0.00E+00	3.25E-07	3.58E-08	2.20E-08	0.00E+00	5.79E-08	2.00E-08	1.90E-08	0.00E+00	3.90E-08
899	481030.24	3768442.1	2.096E-07	9.45E-08	0.00E+00	3.04E-07	2.07E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
900	481008.91	3768324.33	7.549E-08	3.40E-08	0.00E+00	1.10E-07	7.47E-08	4.95E-08	0.00E+00	1.24E-07	1.37E-08	8.44E-09	0.00E+00	2.22E-08	7.66E-09	7.28E-09	0.00E+00	1.49E-08
901	481012.75	3768315.28	6.997E-08	3.16E-08	0.00E+00	1.02E-07	6.92E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.82E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.38E-08
902	481016.59	3768306.24	6.474E-08	2.92E-08	0.00E+00	9.39E-08	6.41E-08	4.25E-08	0.00E+00	1.07E-07	1.18E-08	7.24E-09	0.00E+00	1.90E-08	6.57E-09	6.25E-09	0.00E+00	1.28E-08
903	481020.43	3768297.19	5.981E-08	2.70E-08	0.00E+00	8.68E-08	5.92E-08	3.93E-08	0.00E+00	9.84E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.77E-09	0.00E+00	1.18E-08
904	481024.27	3768288.15	5.52E-08	2.49E-08	0.00E+00	8.01E-08	5.46E-08	3.62E-08	0.00E+00	9.08E-08	1.00E-08	6.17E-09	0.00E+00	1.62E-08	5.60E-09	5.32E-09	0.00E+00	1.09E-08
905	481028.1	3768279.1	5.086E-08	2.29E-08	0.00E+00	7.38E-08	5.03E-08	3.34E-08	0.00E+00	8.37E-08	9.24E-09	5.68E-09	0.00E+00	1.49E-08	5.16E-09	4.91E-09	0.00E+00	1.01E-08
906	481031.94	3768270.05	4.682E-08	2.11E-08	0.00E+00	6.79E-08	4.63E-08	3.07E-08	0.00E+00	7.70E-08	8.51E-09	5.23E-09	0.00E+00	1.37E-08	4.75E-09	4.52E-09	0.00E+00	9.27E-09
907	481035.78	3768261.01	4.309E-08	1.94E-08	0.00E+00	6.25E-08	4.26E-08	2.83E-08	0.00E+00	7.09E-08	7.83E-09	4.82E-09	0.00E+00	1.26E-08	4.37E-09	4.16E-09	0.00E+00	8.53E-09
908	481039.62	3768251.96	3.967E-08	1.79E-08	0.00E+00	5.76E-08	3.93E-08	2.60E-08	0.00E+00	6.53E-08	7.21E-09	4.43E-09	0.00E+00	1.16E-08	4.02E-09	3.83E-09	0.00E+00	7.85E-09
909	481043.46	3768242.92	3.655E-08	1.65E-08	0.00E+00	5.30E-08	3.62E-08	2.40E-08	0.00E+00	6.01E-08	6.64E-09	4.08E-09	0.00E+00	1.07E-08	3.71E-09	3.53E-09	0.00E+00	7.23E-09
910	481047.29	3768233.87	3.369E-08	1.52E-08	0.00E+00	4.89E-08	3.33E-08	2.21E-08	0.00E+00	5.55E-08	6.12E-09	3.77E-09	0.00E+00	9.89E-09	3.42E-09	3.25E-09	0.00E+00	6.67E-09
911	481051.13	3768224.83	3.11E-08	1.40E-08	0.00E+00	4.51E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.65E-09	3.48E-09	0.00E+00	9.13E-09	3.16E-09	3.00E-09	0.00E+00	6.16E-09
912	481054.97	3768215.78	2.875E-08	1.30E-08	0.00E+00	4.17E-08	2.85E-08	1.89E-08	0.00E+00	4.73E-08	5.22E-09	3.21E-09	0.00E+00	8.44E-09	2.92E-09	2.77E-09	0.00E+00	5.69E-09
913	481058.81	3768206.73	2.663E-08	1.20E-08	0.00E+00	3.86E-08	2.63E-08	1.75E-08	0.00E+00	4.38E-08	4.84E-

965	481012.48	3768244.92	3.61E-08	1.63E-08	0.00E+00	5.24E-08	3.57E-08	2.37E-08	0.00E+00	5.94E-08	6.56E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.14E-09
966	481016.23	3768236.08	3.345E-08	1.51E-08	0.00E+00	4.85E-08	3.31E-08	2.19E-08	0.00E+00	5.50E-08	6.08E-09	3.74E-09	0.00E+00	9.82E-09	3.39E-09	3.23E-09	0.00E+00	6.62E-09
967	481019.98	3768227.25	3.102E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.10E-08	5.64E-09	3.47E-09	0.00E+00	9.10E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
968	481023.73	3768218.41	2.879E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.23E-09	3.22E-09	0.00E+00	8.45E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
969	481027.48	3768209.58	2.676E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.76E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.30E-09
970	481031.23	3768200.74	2.492E-08	1.12E-08	0.00E+00	3.62E-08	2.47E-08	1.64E-08	0.00E+00	4.10E-08	4.53E-09	2.78E-09	0.00E+00	7.31E-09	2.53E-09	2.40E-09	0.00E+00	4.93E-09
971	481034.98	3768191.9	2.324E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
972	481038.73	3768183.07	2.173E-08	9.80E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.38E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
1009	480971.14	3768352.06	8.776E-08	3.96E-08	0.00E+00	1.27E-07	8.68E-08	5.76E-08	0.00E+00	1.44E-07	1.59E-08	9.81E-09	0.00E+00	2.58E-08	8.90E-09	8.47E-09	0.00E+00	1.74E-08
1010	480971.04	3768361.99	9.51E-08	4.29E-08	0.00E+00	1.38E-07	9.41E-08	6.24E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.65E-09	9.17E-09	0.00E+00	1.88E-08
1011	480970.94	3768371.93	1.028E-07	4.64E-08	0.00E+00	1.49E-07	1.02E-07	6.75E-08	0.00E+00	1.69E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.04E-08	9.92E-09	0.00E+00	2.03E-08
1012	480970.84	3768381.87	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.25E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
1013	480970.74	3768391.81	1.192E-07	5.38E-08	0.00E+00	1.73E-07	1.18E-07	7.82E-08	0.00E+00	1.96E-07	2.17E-08	1.33E-08	0.00E+00	3.50E-08	1.21E-08	1.15E-08	0.00E+00	2.36E-08
1014	480970.64	3768401.75	1.278E-07	5.76E-08	0.00E+00	1.85E-07	1.26E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
1015	480970.54	3768411.68	1.365E-07	6.16E-08	0.00E+00	1.98E-07	1.35E-07	8.96E-08	0.00E+00	2.25E-07	2.48E-08	1.53E-08	0.00E+00	4.01E-08	1.38E-08	1.32E-08	0.00E+00	2.70E-08
1016	480970.44	3768421.62	1.452E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.53E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
1017	480948.83	3768323.93	6.588E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.36E-09	0.00E+00	1.30E-08
1018	480952.63	3768314.98	6.159E-08	2.78E-08	0.00E+00	8.94E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.25E-09	5.94E-09	0.00E+00	1.22E-08
1019	480956.42	3768306.03	5.75E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.43E-09	0.00E+00	1.69E-08	5.83E-09	5.55E-09	0.00E+00	1.14E-08
1020	480960.22	3768297.09	5.361E-08	2.42E-08	0.00E+00	7.78E-08	5.31E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
1021	480964.01	3768288.14	4.992E-08	2.25E-08	0.00E+00	7.24E-08	4.94E-08	3.28E-08	0.00E+00	8.22E-08	9.07E-09	5.58E-09	0.00E+00	1.46E-08	5.06E-09	4.82E-09	0.00E+00	9.88E-09
1022	480967.81	3768279.2	4.644E-08	2.09E-08	0.00E+00	6.74E-08	4.60E-08	3.05E-08	0.00E+00	7.64E-08	8.44E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.19E-09
1023	480971.61	3768270.25	4.316E-08	1.95E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.84E-09	4.82E-09	0.00E+00	1.27E-08	4.38E-09	4.16E-09	0.00E+00	8.54E-09
1024	480975.4	3768261.31	4.009E-08	1.81E-08	0.00E+00	5.82E-08	3.97E-08	2.63E-08	0.00E+00	6.60E-08	7.28E-09	4.48E-09	0.00E+00	1.18E-08	4.07E-09	3.87E-09	0.00E+00	7.93E-09
1025	480979.2	3768252.36	3.723E-08	1.68E-08	0.00E+00	5.40E-08	3.68E-08	2.44E-08	0.00E+00	6.13E-08	6.76E-09	4.16E-09	0.00E+00	1.09E-08	3.78E-09	3.59E-09	0.00E+00	7.37E-09
1026	480982.99	3768243.42	3.458E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.69E-08	6.28E-09	3.86E-09	0.00E+00	1.01E-08	3.51E-09	3.34E-09	0.00E+00	6.84E-09
1027	480986.79	3768234.47	3.212E-08	1.45E-08	0.00E+00	4.66E-08	3.18E-08	2.11E-08	0.00E+00	5.29E-08	5.84E-09	3.59E-09	0.00E+00	9.43E-09	3.26E-09	3.10E-09	0.00E+00	6.36E-09
1028	480990.58	3768225.52	2.985E-08	1.35E-08	0.00E+00	4.33E-08	2.95E-08	1.96E-08	0.00E+00	4.91E-08	5.42E-09	3.34E-09	0.00E+00	8.76E-09	3.03E-09	2.88E-09	0.00E+00	5.91E-09
1029	480994.38	3768216.58	2.777E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.05E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.50E-09
1030	480998.17	3768207.63	2.586E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.49E-09	0.00E+00	5.12E-09
1031	481001.97	3768198.69	2.412E-08	1.09E-08	0.00E+00	3.50E-08	2.39E-08	1.58E-08	0.00E+00	3.97E-08	4.38E-09	2.70E-09	0.00E+00	7.08E-09	2.45E-09	2.33E-09	0.00E+00	4.77E-09
1032	481005.77	3768189.74	2.253E-08	1.02E-08	0.00E+00	3.27E-08	2.23E-08	1.48E-08	0.00E+00	3.71E-08	4.09E-09	2.52E-09	0.00E+00	6.61E-09	2.29E-09	2.17E-09	0.00E+00	4.46E-09
1033	481009.56	3768180.8	2.109E-08	9.51E-09	0.00E+00	3.06E-08	2.09E-08	1.38E-08	0.00E+00	3.47E-08	3.83E-09	2.36E-09	0.00E+00	6.19E-09	2.14E-09	2.03E-09	0.00E+00	4.17E-09
1074	480941.14	3768351.75	8.104E-08	3.65E-08	0.00E+00	1.18E-07	8.02E-08	5.32E-08	0.00E+00	1.33E-07	1.47E-08	9.06E-09	0.00E+00	2.38E-08	8.22E-09	7.82E-09	0.00E+00	1.60E-08
1075	480941.04	3768361.69	8.743E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.57E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
1076	480940.94	3768371.63	9.412E-08	4.24E-08	0.00E+00	1.37E-07	9.31E-08	6.18E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.55E-09	9.08E-09	0.00E+00	1.86E-08
1077	480940.84	3768381.57	1.011E-07	4.56E-08	0.00E+00	1.47E-07	1.00E-07	6.63E-08	0.00E+00	1.66E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.75E-09	0.00E+00	2.00E-08
1078	480940.74	3768391.51	1.082E-07	4.88E-08	0.00E+00	1.57E-07	1.07E-07	7.10E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.04E-08	0.00E+00	2.14E-08
1079	480940.64	3768401.44	1.155E-07	5.21E-08	0.00E+00	1.68E-07	1.14E-07	7.58E-08	0.00E+00	1.90E-07	2.10E-08	1.29E-08	0.00E+00	3.39E-08	1.17E-08	1.11E-08	0.00E+00	2.29E-08
1080	480940.54	3768411.38	1.229E-07	5.54E-08	0.00E+00	1.78E-07	1.22E-07	8.07E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.61E-08	1.25E-08	1.19E-08	0.00E+00	2.43E-08
1081	480918.91	3768323.43	6.158E-08	2.78E-08	0.00E+00	8.94E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.25E-09	5.94E-09	0.00E+00	1.22E-08
1082	480922.75	3768314.39	5.774E-08	2.60E-08	0.00E+00	8.38E-08	5.71E-08	3.79E-08	0.00E+00	9.50E-08	1.05E-08	6.45E-09	0.00E+00	1.69E-08	5.86E-09	5.57E-09	0.00E+00	1.14E-08
1083	480926.59	3768305.35	5.405E-08	2.44E-08	0.00E+00	7.84E-08	5.35E-08	3.55E-08	0.00E+00	8.90E-08	9.82E-09	6.04E-09	0.00E+00	1.59E-08	5.48E-09	5.21E-09	0.00E+00	1.07E-08
1084	480930.42	3768296.31	5.052E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.32E-08	0.00E+00	8.31E-08	9.18E-09	5.65E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
1085	480934.26	3768287.26	4.716E-08	2.13E-08	0.00E+00	6.84E-08	4.67E-08	3.09E-08	0.00E+00	7.76E-08	8.57E-09	5.27E-09	0.00E+00	1.38E-08	4.78E-09	4.55E-09	0.00E+00	9.33E-09
1086	480938.1	3768278.22	4.399E-08	1.98E-08	0.00E+00	6.38E-08	4.35E-08	2.89E-08	0.00E+00	7.24E-08	7.99E-09	4.92E-09	0.00E+00	1.29E-08	4.46E-09	4.24E-09	0.00E+00	8.71E-09
1087	480941.93	3768269.18	4.099E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.95E-09	0.00E+00	8.11E-09
1088	480945.77	3768260.14	3.819E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.28E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
1089	480949.61	3768251.1	3.557E-08	1.60E-08	0.00E+00	5.16E-08	3.52E-08	2.33E-08	0.00E+00	5.85E-08	6.46E-09	3.97E-09	0.00E+00	1.04E-08	3.61E-09	3.43E-09	0.00E+00	7.04E-09
1090	480953.44	3768242.06	3.312E-08	1.49E-08	0.00E+00	4.81E-08	3.28E-08	2.17E-08	0.00E+00	5.45E-08	6.02E-09	3.70E-09	0.00E+00	9.72E-09	3.36E-09	3.20E-09	0.00E+00	6.55E-09
1091	480957.28	3768233.02	3.085E-08	1.39E-08	0.00E+00	4.48E-08	3.05E-08	2.02E-08	0.00E+00	5.08E-08	5.61E-09	3.45E-09	0.00E+00	9.05E-09	3.13E-09	2.98E-09	0.00E+00	6.11E-09
1092	480961.11	3768223.97	2.874E-08	1.30E-08	0.00E+00	4.17E-08	2.84E-08	1.89E-08	0.00E+00	4.73E-08	5.22E-09	3.21E-09	0.00E+00	8.43E-09	2.92E-09	2.77E-09	0.00E+00	5.69E-09
1093	480964.95	3768214.93	2.679E-08	1.21E-08	0.00E+00	3.89E-08	2.65E-08	1.76E-08	0.00E+00	4.41E-08	4.87E-09	2.99E-09	0.00E+00	7.86E-09	2.72E-09	2.58E-09	0.00E+00	5.30E-09
1094	480968.79	3768205.89	2.499E-08	1.13E-08	0.00E+00	3.63E-08	2.47E-08	1.64E-08	0.00E+00	4.11E-08	4.54E-09	2.79E-09	0.00E+00	7.33E-09	2.53E-09	2.41E-09	0.00E+00	4.94E-09
1095	480972.62	3768196.85	2.333E-08	1.05E-08	0.00E+00	3.39E-08	2.31E-08	1.53E-08	0.00E+00	3.84E-08	4.24E-09	2.61E-09	0.00E+00	6.85E-09	2.37E-09	2.25E-09	0.00E+00	4.62E-09
1096	480976.46	3768187.81	2.183E-08	9.85E-09	0.00E+00	3.17E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.97E-09	2.44E-09	0.00E+00	6.41E-09	2.21E-09	2.11E-09	0.00E+00	4.32E-09
1097	480980.3	3768178.77	2.047E-08	9.23E-09	0.00E+00	2.97E-08	2.03E-08	1.34E-08	0.00E+00	3.37E-08	3.72E-09	2.29E-09	0.00E+00	6.01E-09	2.08E-09	1.97E-09	0.00E+00	4.05E-09
1124	480911.14	3768351.45	7.495E-08	3.38E-08	0.00E+00	1.09E-07	7.42E-08	4.92E-08	0.00E+00	1.23E-07	1.36E-08	8.38E-09	0.00E+00	2.20E-08	7.60E-09	7.23E-09	0.00E+00	1.48E-08
1125	480911.04	3768361.39	8.053E-08	3.63E-08	0.00E+00	1.17E-07	7.97E-08	5.28E-08	0.00E+00	1.33E-07	1.46E-08	9.00E-09	0.00E+00	2.36E-08	8.17E-09	7.77E-09	0.00E+00	1.59E-08
1126	480910.94	3768371.33	8.634E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.67E-08	0.00E+00	1.42E-07	1.57E-08	9.65E-09	0.00E+00	2.53E-08	8.76E-09	8.33E-09	0.00E+00	1.71E-08
1127	480910.84	3768381.27	9.235E-08	4.16E-08	0.00E+00	1.34E-07	9.14E-08	6.06E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.37E-09	8.91E-09	0.00E+00	1.83E-08
1128	480910.74	3768391.2	9.852E-08	4.44E-08	0.00E+00	1.43E-07	9.75E-08	6.47E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.89E-08	9.99E-09	9.50E-09	0.00E+00	1.95E-08
1129	480910.64	3768401.14	1.048E-07	4.73E-08	0.00E+00	1.52E-07	1.04E-07	6.88E-08	0.00E+00	1.73E-07	1.90E-08	1.17E-08	0.00E+00	3.08E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
1130	480910.24	3768440.89	1.303E-07	5.88E-08	0.00E+00	1.89E-07	1.29E-07	8.55E-08	0.00E+00	2.14E-07	2.37E-08	1.46E-08	0.00E+00	3.82E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
1131	480888.99	3768322.96	5.765E-08	2.60E-08	0.00E+00	8.36E-08	5.70E-08	3.78E-08	0.00E+00	9.49E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.85E-09	5.56E-09	0.00E+00	1.14E-08
1132	480892.86	3768313.83	5.421E-08	2.44E-08	0.00E+00	7.87E-08	5.36E-08	3.56E-08	0.00E+00	8.92E-08	9.85E-09	6.06E-09	0.00E+00	1.59E-08	5.50E-09	5.23E-09	0.00E+00	1.07E-08
1133	480896.73	3768304.71	5.09E-08	2.30E-08	0.00E+00	7.39E-08	5.04E-08	3.34E-08	0.00E+00	8.38E-08	9.25E-09	5.69E-09	0.00E+00	1.49E-08	5.16E-09	4.91E-09	0.00E+00	1.01E-08
1134	480900.61	3768295.58	4.772E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.44E-09
1135	480904.48	3768286.45	4.468E-08	2.02E-08	0.00E+00	6.48E-08	4.42E-08	2.93E-08	0.00E+00	7.35E-08	8.12E-09	4.99E-09	0.00E+00	1.31E-08	4.53E-09	4.31E-09	0.00E+00	8.84E-09
1136	480908.35	3768277.33	4.18E-08	1.88E-08	0.00E+00	6.06E-08	4.14E-08	2.74E-08	0.00E+00	6.88E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.24E-09	4.03E-09	0.00E+00	8.27E-09
1137	480912.22	3768268.2	3.905E-08	1.76E-08	0.00E+00	5.67E-08	3.86E-08	2.56E-08	0.00E+00	6.43E-08	7.10E-09	4.36E-09	0.00E+00	1.15E-08	3.96E-09	3.77E-09	0.00E+00	7.73E-09
1138	480916.1	3768259.07	3.646E-08	1.64E-08	0.00E+00	5.29E-08	3.61E-08	2.39E-08	0.00E+00	6.00E-08	6.63E-09	4.08E-09	0.00E+00	1.07E-08	3.70E-09	3.52E-09	0.00E+00	7.22E-09
1139	480919.97	3768249.95	3.404E-08	1.54E-08	0.00E+00	4.94E-08	3.37E-08	2.23E-08	0.00E+00	5.60E-08	6.18E-09	3.80E-09	0.00E+00	9.99E-09	3.45E-09	3.28E-09	0.00E+00	6.74E-09
1140	480923.84	3768240.82	3.176E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.23E-08	5.77E-09	3.55E-09	0.00E+00	9.32E-09	3.22E-09	3.06E-09	0.00E+00	6.29E-09
1141	480927.71	3768231.69	2.965E-08	1.34E-08	0.00E+00	4.30E-08	2.93E-08	1.95E-08	0.00E+00	4.88E-08	5.39E-09	3.31E-09	0.00E+00	8.70E-09	3.01E-09	2.86E-09	0.00E+00	5.87E-09
1142	480931.59	3768222.57	2.768E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.03E-09	3.09E-09	0.00E+00	8.12E-09	2.81E-09	2.67E-09	0.00E+00	5.48E-09
1143	480935.46	3768213.44	2.586E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.49E-09	0.00E+00	5.12E-09
1144	480939.33	3768204.31	2.417E-08	1.09E-08	0.00E+00	3.51E-08	2.39E-08	1.59E-08	0.00E+00	3.98E-08	4.39E-09	2.70E-09	0.00E+00	7.09E-09	2.45E-09	2.33E-09	0.00E+00	4.78E-09
1145	480943.2	3768195.19	2.262E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
1146	480947.08	3768186.06	2.12E-08	9.56E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.49E-08	3.85E-09	2.37E-09	0.00E+00	6.22E-09	2.15E-09	2.04E-09	0.00E+00	4.20E-09
1180	480881.14	3768351.15	6.95E-08	3.13E-08	0.00E+00	1.01E-07	6.88E-08	4.56E-08	0.00E+00	1.14E-07	1.26E-08	7.77E-09	0.00E+00	2.04E-08	7.05E-09	6.70E-09	0.00E+00	1.38E-08
1181	480881.04	3768361.09	7.441E-08	3.36E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.32E-09	0.00E+00	2.18E-08	7.55E-09	7.18E-09	0.00E+00	1.47E-08
1182	480880.94	3768371.03	7.95E-08	3.59E-08	0.00E+00	1.15E-07	7.87E-08	5.22E-08	0.00E+00	1.31E-07	1.44E-08	8.89E-09	0.00E+00	2.33E-08	8.06E-09	7.67E-09	0.00E+00	1.57E-08
1183	480880.84	3768380.96	8.477E-08	3.82E-08	0.00E+00	1.23E-07	8.39E-08	5.56E-08	0.00E+00	1.40E-07	1.54E-08	9.47E-09	0.00E+00	2.49E-08	8.60E-09	8.18E-09	0.00E+00	1.68E-08
1184	480880.74	3768390.9	9.02E-08	4.07E-08	0.00E+00	1.31E-07	8.93E-08	5.92E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.15E-09	8.70E-09	0.00E+00	1.79E-08
1185	480880.24	3768440.59	1.178E-07	5.31E-08	0.00E+00	1.71E-07	1.17E-07	7.73E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.19E-08	1.14E-08	0.00E+00	2.33E-08
1186	480858.85	3768322.99	5.428E-08	2.45E-08	0.00E+00	7.88E-08	5.37E-08	3.56E-08	0.00E+00	8.93E-08	9.86E-09	6.07E-09	0.00E+00	1.59E-08	5.51E-09	5.24E-09	0.00E+00	1.07E-08
1187	480862.65	3768314.03	5.125E-08	2.31E-08	0.00E+00	7.44E-08	5.07E-08	3.36E-08	0.00E+00	8.44E-08	9.31E-09	5.73E-09	0.00E+00	1.50E-08	5.20E-09	4.94E-09	0.00E+00	1.01E-08
1188	480866.45	3768305.07	4.832E-08	2.18E-08	0.00E+00	7.01E-08	4.78E-08	3.17E-08	0.00E+00	7.95E-08	8.78E-09	5.40E-09	0.00E+00	1.42E-08	4.90E-09	4.66E-09	0.00E+00	9.56E-09
1189	480870.25	3768296.11	4.549E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.98E-08	0.00E+00	7.49E-08	8.27E-09	5.08E-09	0.00E+00	1.33E-08	4.61E-09	4.39E-09	0.00E+00	9.00E-09
1190	480874.06	3768287.15	4.277E-08	1.93E-08	0.00E+00	6.21E-08	4.23E-08	2.81E-08	0.00E+00	7.04E-08	7.77E-09	4.78E-09	0.00E+00	1.26E-08	4.34E-09	4.13E-09	0.00E+00	8.46E-09
1191	480877.86	3768278.19	4.017E-08	1.81E-08	0.00E+00	5.83E-08	3.98E-08	2.64E-08	0.00E+00	6.61E-08	7.30E-09	4.49E-09	0.00E+00	1.18E-08	4.08E-09	3.88E-09	0.00E+00	7.95E-09
1192	480881.66	3768269.23	3.77E-08	1.70E-08	0.00E+00	5.47E-08	3.73E-08	2.47E-08	0.00E+00	6.21E-08	6.85E-09	4.21E-09	0.00E+00	1.11E-08	3.82E-09	3.64E-09	0.00E+00	7.46E-09
1193	480885.46	3768260.27	3.537E-08	1.60E-08	0.00E+00	5.13E-08	3.50E-08	2.32E-08	0.00E+00	5.82E-08	6.43E-09	3.95E-09	0.00E+00	1.04E-08	3.59E-09	3.41E-09	0.00E+00	7.00E-09
1194	480889.26	3768251.31	3.316E-08	1.50E-08	0.00E+00	4.81E-08	3.28E-08	2.18E-08	0.00E+00	5.46E-08	6.02E-09	3.71E-09	0.00E+00	9.73E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
1195	480893.07	3768242.35	3.108E-08	1.40E-08	0.00E+00	4.51E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.65E-09	3.47E-09	0.00E+00	9.12E-09	3.15E-09	3.00E-09	0.00E+00	6.15E-09
1196	480

1264	480848.09	3768277.34	3.822E-08	1.72E-08	0.00E+00	5.55E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.56E-09
1265	480851.93	3768268.3	3.595E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
1266	480855.76	3768259.26	3.379E-08	1.52E-08	0.00E+00	4.90E-08	3.34E-08	2.22E-08	0.00E+00	5.56E-08	6.14E-09	3.78E-09	0.00E+00	9.92E-09	3.43E-09	3.26E-09	0.00E+00	6.69E-09
1267	480859.6	3768250.22	3.174E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.32E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
1268	480863.43	3768241.18	2.981E-08	1.34E-08	0.00E+00	4.33E-08	2.95E-08	1.96E-08	0.00E+00	4.91E-08	5.42E-09	3.33E-09	0.00E+00	8.75E-09	3.02E-09	2.88E-09	0.00E+00	5.90E-09
1269	480867.27	3768232.14	2.799E-08	1.26E-08	0.00E+00	4.06E-08	2.77E-08	1.84E-08	0.00E+00	4.61E-08	5.09E-09	3.13E-09	0.00E+00	8.21E-09	2.84E-09	2.70E-09	0.00E+00	5.54E-09
1270	480871.1	3768223.1	2.628E-08	1.19E-08	0.00E+00	3.81E-08	2.60E-08	1.72E-08	0.00E+00	4.33E-08	4.78E-09	2.94E-09	0.00E+00	7.71E-09	2.67E-09	2.54E-09	0.00E+00	5.20E-09
1271	480874.94	3768214.06	2.468E-08	1.11E-08	0.00E+00	3.58E-08	2.44E-08	1.62E-08	0.00E+00	4.06E-08	4.49E-09	2.76E-09	0.00E+00	7.24E-09	2.50E-09	2.38E-09	0.00E+00	4.89E-09
1272	480878.78	3768205.02	2.319E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.21E-09	2.59E-09	0.00E+00	6.81E-09	2.35E-09	2.24E-09	0.00E+00	4.59E-09
1273	480882.61	3768195.99	2.181E-08	9.84E-09	0.00E+00	3.17E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
1274	480886.45	3768186.95	2.053E-08	9.26E-09	0.00E+00	2.98E-08	2.03E-08	1.35E-08	0.00E+00	3.38E-08	3.73E-09	2.29E-09	0.00E+00	6.02E-09	2.08E-09	1.98E-09	0.00E+00	4.06E-09
1275	480890.28	3768177.91	1.934E-08	8.72E-09	0.00E+00	2.81E-08	1.91E-08	1.27E-08	0.00E+00	3.18E-08	3.51E-09	2.16E-09	0.00E+00	5.68E-09	1.96E-09	1.87E-09	0.00E+00	3.83E-09
1276	480894.12	3768168.87	1.824E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.31E-09	2.04E-09	0.00E+00	5.35E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
1277	480897.95	3768159.83	1.722E-08	7.77E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.83E-08	3.13E-09	1.92E-09	0.00E+00	5.05E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
1278	480901.79	3768150.79	1.628E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
1279	480905.62	3768141.75	1.541E-08	6.95E-09	0.00E+00	2.24E-08	1.52E-08	1.01E-08	0.00E+00	2.54E-08	2.80E-09	1.72E-09	0.00E+00	4.52E-09	1.56E-09	1.49E-09	0.00E+00	3.05E-09
1280	480909.46	3768132.71	1.461E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.58E-09	0.00E+00	2.40E-08	2.65E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
1281	480913.29	3768123.67	1.387E-08	6.26E-09	0.00E+00	2.01E-08	1.37E-08	9.10E-09	0.00E+00	2.28E-08	2.52E-09	1.55E-09	0.00E+00	4.07E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
1282	480917.13	3768114.64	1.32E-08	5.95E-09	0.00E+00	1.92E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.48E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
1283	480920.96	3768105.6	1.258E-08	5.67E-09	0.00E+00	1.83E-08	1.24E-08	8.26E-09	0.00E+00	2.07E-08	2.29E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
1325	480821.15	3768350.55	6.027E-08	2.72E-08	0.00E+00	8.74E-08	5.96E-08	3.95E-08	0.00E+00	9.92E-08	1.10E-08	6.74E-09	0.00E+00	1.77E-08	6.11E-09	5.81E-09	0.00E+00	1.19E-08
1326	480821.05	3768360.48	6.412E-08	2.89E-08	0.00E+00	9.30E-08	6.34E-08	4.21E-08	0.00E+00	1.06E-07	1.17E-08	7.17E-09	0.00E+00	1.88E-08	6.50E-09	6.19E-09	0.00E+00	1.27E-08
1327	480820.95	3768370.42	6.81E-08	3.07E-08	0.00E+00	9.88E-08	6.74E-08	4.47E-08	0.00E+00	1.12E-07	1.24E-08	7.61E-09	0.00E+00	2.00E-08	6.91E-09	6.57E-09	0.00E+00	1.35E-08
1328	480820.85	3768380.36	7.219E-08	3.26E-08	0.00E+00	1.05E-07	7.14E-08	4.74E-08	0.00E+00	1.19E-07	1.31E-08	8.07E-09	0.00E+00	2.12E-08	7.32E-09	6.96E-09	0.00E+00	1.43E-08
1329	480820.45	3768420.11	8.921E-08	4.02E-08	0.00E+00	1.29E-07	8.83E-08	5.85E-08	0.00E+00	1.47E-07	1.62E-08	9.97E-09	0.00E+00	2.62E-08	9.05E-09	8.61E-09	0.00E+00	1.77E-08
1330	480820.35	3768430.05	9.352E-08	4.22E-08	0.00E+00	1.36E-07	9.25E-08	6.14E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.74E-08	9.49E-09	9.02E-09	0.00E+00	1.85E-08
1331	480820.25	3768439.99	9.776E-08	4.41E-08	0.00E+00	1.42E-07	9.67E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.43E-09	0.00E+00	1.93E-08
1332	480795.11	3768331.2	5.051E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.31E-08	0.00E+00	8.31E-08	9.18E-09	5.65E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
1333	480798.98	3768322.09	4.799E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.50E-09
1334	480802.84	3768312.98	4.552E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
1335	480806.71	3768303.87	4.311E-08	1.94E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.09E-08	7.83E-09	4.82E-09	0.00E+00	1.27E-08	4.37E-09	4.16E-09	0.00E+00	8.53E-09
1336	480810.57	3768294.76	4.077E-08	1.84E-08	0.00E+00	5.92E-08	4.03E-08	2.68E-08	0.00E+00	6.71E-08	7.41E-09	4.56E-09	0.00E+00	1.20E-08	4.14E-09	3.93E-09	0.00E+00	8.07E-09
1337	480814.44	3768285.65	3.852E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.30E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.62E-09
1338	480818.31	3768276.54	3.635E-08	1.64E-08	0.00E+00	5.27E-08	3.60E-08	2.39E-08	0.00E+00	5.98E-08	6.60E-09	4.06E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.19E-09
1339	480822.17	3768267.43	3.427E-08	1.55E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.64E-08	6.23E-09	3.83E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.78E-09
1340	480826.04	3768258.32	3.229E-08	1.46E-08	0.00E+00	4.68E-08	3.19E-08	2.12E-08	0.00E+00	5.31E-08	5.87E-09	3.61E-09	0.00E+00	9.47E-09	3.27E-09	3.11E-09	0.00E+00	6.39E-09
1341	480829.9	3768249.21	3.04E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.02E-09
1342	480833.77	3768240.1	2.861E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.71E-08	5.20E-09	3.20E-09	0.00E+00	8.40E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
1343	480837.63	3768230.99	2.692E-08	1.21E-08	0.00E+00	3.91E-08	2.66E-08	1.77E-08	0.00E+00	4.43E-08	4.89E-09	3.01E-09	0.00E+00	7.90E-09	2.73E-09	2.60E-09	0.00E+00	5.33E-09
1344	480841.5	3768221.88	2.534E-08	1.14E-08	0.00E+00	3.68E-08	2.51E-08	1.66E-08	0.00E+00	4.17E-08	4.60E-09	2.83E-09	0.00E+00	7.44E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
1345	480845.36	3768212.77	2.384E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.56E-08	0.00E+00	3.92E-08	4.33E-09	2.66E-09	0.00E+00	7.00E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
1346	480849.23	3768203.66	2.245E-08	1.01E-08	0.00E+00	3.26E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.59E-09	2.28E-09	2.17E-09	0.00E+00	4.44E-09
1347	480853.09	3768194.55	2.114E-08	9.53E-09	0.00E+00	3.07E-08	2.09E-08	1.39E-08	0.00E+00	3.48E-08	3.84E-09	2.36E-09	0.00E+00	6.20E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
1348	480856.96	3768185.44	1.992E-08	8.98E-09	0.00E+00	2.89E-08	1.97E-08	1.31E-08	0.00E+00	3.28E-08	3.62E-09	2.23E-09	0.00E+00	5.85E-09	2.02E-09	1.92E-09	0.00E+00	3.94E-09
1349	480860.83	3768176.33	1.879E-08	8.47E-09	0.00E+00	2.73E-08	1.86E-08	1.23E-08	0.00E+00	3.09E-08	3.41E-09	2.10E-09	0.00E+00	5.51E-09	1.91E-09	1.81E-09	0.00E+00	3.72E-09
1350	480864.69	3768167.22	1.774E-08	8.00E-09	0.00E+00	2.57E-08	1.76E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.21E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
1351	480868.56	3768158.11	1.677E-08	7.56E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.76E-08	3.05E-09	1.87E-09	0.00E+00	4.92E-09	1.70E-09	1.62E-09	0.00E+00	3.32E-09
1352	480872.42	3768149	1.587E-08	7.16E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.66E-09	1.61E-09	1.53E-09	0.00E+00	3.14E-09
1353	480876.29	3768139.89	1.503E-08	6.78E-09	0.00E+00	2.18E-08	1.49E-08	9.87E-09	0.00E+00	2.47E-08	2.73E-09	1.68E-09	0.00E+00	4.41E-09	1.53E-09	1.45E-09	0.00E+00	2.98E-09
1354	480880.15	3768130.78	1.427E-08	6.43E-09	0.00E+00	2.07E-08	1.41E-08	9.36E-09	0.00E+00	2.35E-08	2.59E-09	1.59E-09	0.00E+00	4.19E-09	1.45E-09	1.38E-09	0.00E+00	2.82E-09
1355	480884.02	3768121.67	1.356E-08	6.11E-09	0.00E+00	1.97E-08	1.34E-08	8.90E-09	0.00E+00	2.23E-08	2.46E-09	1.52E-09	0.00E+00	3.98E-09	1.38E-09	1.31E-09	0.00E+00	2.68E-09
1356	480887.88	3768112.56	1.29E-08	5.82E-09	0.00E+00	1.87E-08	1.28E-08	8.47E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.79E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
1404	480791.15	3768350.24	5.639E-08	2.54E-08	0.00E+00	8.18E-08	5.58E-08	3.70E-08	0.00E+00	9.28E-08	1.02E-08	6.30E-09	0.00E+00	1.65E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
1405	480791.05	3768360.18	5.978E-08	2.70E-08	0.00E+00	8.67E-08	5.91E-08	3.92E-08	0.00E+00	9.84E-08	1.09E-08	6.68E-09	0.00E+00	1.75E-08	6.06E-09	5.77E-09	0.00E+00	1.18E-08
1406	480790.95	3768370.12	6.325E-08	2.85E-08	0.00E+00	9.18E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.42E-09	6.10E-09	0.00E+00	1.25E-08
1407	480790.85	3768380.06	6.685E-08	3.01E-08	0.00E+00	9.70E-08	6.61E-08	4.39E-08	0.00E+00	1.10E-07	1.21E-08	7.47E-09	0.00E+00	1.96E-08	6.78E-09	6.45E-09	0.00E+00	1.32E-08
1408	480790.45	3768419.81	8.195E-08	3.70E-08	0.00E+00	1.19E-07	8.11E-08	5.38E-08	0.00E+00	1.35E-07	1.49E-08	9.16E-09	0.00E+00	2.40E-08	8.31E-09	7.91E-09	0.00E+00	1.62E-08
1409	480790.35	3768429.75	8.568E-08	3.86E-08	0.00E+00	1.24E-07	8.48E-08	5.62E-08	0.00E+00	1.41E-07	1.56E-08	9.58E-09	0.00E+00	2.51E-08	8.69E-09	8.27E-09	0.00E+00	1.70E-08
1410	480790.25	3768439.69	8.941E-08	4.03E-08	0.00E+00	1.30E-07	8.85E-08	5.87E-08	0.00E+00	1.47E-07	1.62E-08	9.99E-09	0.00E+00	2.62E-08	9.07E-09	8.63E-09	0.00E+00	1.77E-08
1411	480765.06	3768331.03	4.761E-08	2.15E-08	0.00E+00	6.91E-08	4.71E-08	3.12E-08	0.00E+00	7.84E-08	8.65E-09	5.32E-09	0.00E+00	1.40E-08	4.83E-09	4.59E-09	0.00E+00	9.42E-09
1412	480768.86	3768322.06	4.538E-08	2.05E-08	0.00E+00	6.58E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.38E-09	0.00E+00	8.98E-09
1413	480772.67	3768313.09	4.318E-08	1.95E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.11E-08	7.85E-09	4.83E-09	0.00E+00	1.27E-08	4.38E-09	4.17E-09	0.00E+00	8.55E-09
1414	480776.47	3768304.12	4.102E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.12E-09
1415	480780.28	3768295.15	3.892E-08	1.76E-08	0.00E+00	5.65E-08	3.85E-08	2.55E-08	0.00E+00	6.40E-08	7.07E-09	4.35E-09	0.00E+00	1.14E-08	3.95E-09	3.75E-09	0.00E+00	7.70E-09
1416	480784.09	3768286.18	3.688E-08	1.66E-08	0.00E+00	5.35E-08	3.65E-08	2.42E-08	0.00E+00	6.07E-08	6.70E-09	4.12E-09	0.00E+00	1.08E-08	3.74E-09	3.56E-09	0.00E+00	7.30E-09
1417	480787.89	3768277.21	3.493E-08	1.58E-08	0.00E+00	5.07E-08	3.46E-08	2.29E-08	0.00E+00	5.75E-08	6.35E-09	3.90E-09	0.00E+00	1.03E-08	3.54E-09	3.37E-09	0.00E+00	6.91E-09
1418	480791.7	3768268.24	3.306E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.69E-09	0.00E+00	9.70E-09	3.35E-09	3.19E-09	0.00E+00	6.54E-09
1419	480795.51	3768259.27	3.126E-08	1.41E-08	0.00E+00	4.54E-08	3.09E-08	2.05E-08	0.00E+00	5.14E-08	5.68E-09	3.49E-09	0.00E+00	9.17E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
1420	480799.31	3768250.3	2.953E-08	1.33E-08	0.00E+00	4.29E-08	2.92E-08	1.94E-08	0.00E+00	4.86E-08	5.37E-09	3.30E-09	0.00E+00	8.67E-09	3.00E-09	2.85E-09	0.00E+00	5.84E-09
1421	480803.12	3768241.33	2.788E-08	1.26E-08	0.00E+00	4.05E-08	2.76E-08	1.83E-08	0.00E+00	4.59E-08	5.07E-09	3.12E-09	0.00E+00	8.18E-09	2.83E-09	2.69E-09	0.00E+00	5.52E-09
1422	480806.93	3768232.36	2.632E-08	1.19E-08	0.00E+00	3.82E-08	2.60E-08	1.73E-08	0.00E+00	4.33E-08	4.78E-09	2.94E-09	0.00E+00	7.72E-09	2.67E-09	2.54E-09	0.00E+00	5.21E-09
1423	480810.73	3768223.39	2.484E-08	1.12E-08	0.00E+00	3.60E-08	2.46E-08	1.63E-08	0.00E+00	4.09E-08	4.51E-09	2.78E-09	0.00E+00	7.29E-09	2.52E-09	2.40E-09	0.00E+00	4.92E-09
1424	480814.54	3768214.42	2.344E-08	1.06E-08	0.00E+00	3.40E-08	2.32E-08	1.54E-08	0.00E+00	3.86E-08	4.26E-09	2.62E-09	0.00E+00	6.88E-09	2.38E-09	2.26E-09	0.00E+00	4.64E-09
1425	480818.34	3768205.44	2.213E-08	9.98E-09	0.00E+00	3.21E-08	2.19E-08	1.45E-08	0.00E+00	3.64E-08	4.02E-09	2.47E-09	0.00E+00	6.49E-09	2.24E-09	2.13E-09	0.00E+00	4.38E-09
1426	480822.15	3768196.47	2.09E-08	9.42E-09	0.00E+00	3.03E-08	2.07E-08	1.37E-08	0.00E+00	3.44E-08	3.80E-09	2.34E-09	0.00E+00	6.13E-09	2.12E-09	2.02E-09	0.00E+00	4.14E-09
1427	480825.96	3768187.5	1.975E-08	8.91E-09	0.00E+00	2.87E-08	1.95E-08	1.30E-08	0.00E+00	3.25E-08	3.59E-09	2.21E-09	0.00E+00	5.79E-09	2.00E-09	1.90E-09	0.00E+00	3.91E-09
1428	480829.76	3768178.53	1.867E-08	8.42E-09	0.00E+00	2.71E-08	1.85E-08	1.23E-08	0.00E+00	3.07E-08	3.39E-09	2.09E-09	0.00E+00	5.48E-09	1.89E-09	1.80E-09	0.00E+00	3.70E-09
1429	480833.57	3768169.56	1.767E-08	7.97E-09	0.00E+00	2.56E-08	1.75E-08	1.16E-08	0.00E+00	2.91E-08	3.21E-09	1.97E-09	0.00E+00	5.18E-09	1.79E-09	1.70E-09	0.00E+00	3.50E-09
1430	480837.38	3768160.59	1.673E-08	7.55E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.75E-08	3.04E-09	1.87E-09	0.00E+00	4.91E-09	1.70E-09	1.61E-09	0.00E+00	3.31E-09
1431	480841.18	3768151.62	1.587E-08	7.15E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.66E-09	1.61E-09	1.53E-09	0.00E+00	3.14E-09
1432	480844.99	3768142.65	1.506E-08	6.79E-09	0.00E+00	2.19E-08	1.49E-08	9.88E-09	0.00E+00	2.48E-08	2.74E-09	1.68E-09	0.00E+00	4.42E-09	1.53E-09	1.45E-09	0.00E+00	2.98E-09
1433	480848.79	3768133.68	1.431E-08	6.45E-09	0.00E+00	2.08E-08	1.42E-08	9.39E-09	0.00E+00	2.36E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
1434	480852.6	3768124.71	1.361E-08	6.14E-09	0.00E+00	1.98E-08	1.35E-08	8.93E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
1492	480761.15	3768349.94	5.285E-08	2.38E-08	0.00E+00	7.67E-08	5.23E-08	3.47E-08	0.00E+00	8.70E-08	9.60E-09	5.91E-09	0.00E+00	1.55E-08	5.36E-09	5.10E-09	0.00E+00	1.05E-08
1493	480761.05	3768359.88	5.591E-08	2.52E-08	0.00E+00	8.11E-08	5.53E-08	3.67E-08	0.00E+00	9.20E-08	1.02E-08	6.25E-09	0.00E+00	1.64E-08	5.67E-09	5.39E-09	0.00E+00	1.11E-08
1494	480760.95	3768369.82	5.906E-08	2.66E-08	0.00E+00	8.57E-08	5.84E-08	3.88E-08	0.00E+00	9.72E-08	1.07E-08	6.60E-09	0.00E+00	1.73E-08	5.99E-09	5.70E-09	0.00E+00	1.17E-08
1495	480760.85	3768379.76	6.23E-08	2.81E-08	0.00E+00	9.04E-08	6.16E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
1496	480760.45	3768419.51	7.576E-08	3.42E-08	0.00E+00	1.10E-07	7.50E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.47E-09	0.00E+00	2.22E-08	7.68E-09	7.31E-09	0.00E+00	1.50E-08
1497	480760.35	3768429.45	7.914E-08	3.57E-08	0.00E+00	1.15E-07	7.83E-08	5.19E-08	0.00E+00	1.30E-07	1.44E-08	8.85E-09	0.00E+00	2.32E-08	8.03E-09	7.63E-09	0.00E+00	1.57E-08
1498	480760.25	3768439.38	8.249E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.37E-09	7.96E-09	0.00E+00	1.63E-08
1499	480750.42	3768294.52	3.699E-08	1.67E-08	0.00E+00	5.37E-08	3.66E-08	2.43E-08	0.00E+00	6.09E-08	6.72E-09	4.13E-09	0.00E+00	1.09E-08	3.75E-09	3.57E-09	0.00E+00	7.32E-09
1500	480754.26	3768285.48	3.512E-08	1.58E-08	0.00E+00	5.10E-08	3.48E-08	2.30E-08	0.00E+00	5.78E-08	6.38E-09	3.93E-09	0.00E+00	1.03E-08	3.56E-09	3.39E-09	0.00E+00	6.95E-09
1501	480758.09	3768276.44	3.331E-08	1.50E-08	0.00E+00	4.83E-08	3.30E-08	2.19E-08	0.00E+00	5.48E-08	6.05E-09	3.72E-09	0.00E+00	9.77E-09	3.38E-09	3.21E-09	0.00E+00	6.59E-09
1502	480761.93	3768267.41	3.157E-08	1.42E-08	0.00E+00	4.58E-08	3.12E-08	2.07E-08	0.00E+00	5.20E-08	5.74E-09	3.53E-09	0.00E+00	9.26E-09	3.20E-09	3.05E-09	0.00E+00	6.25E-09
1503	480765.76	3768258.37	2.99E-08	1.35E-08	0.00E+00	4.34E-08	2.96E-08	1.96E-08	0.00E+00	4.92E-08	5.43E-09	3.34E-09	0.00E+00	8.77E-09	3.03E-09	2.88E-09	0.00E+00	5.92E-09
1504	480769.6	3768249.33	2.83E-08	1.28E-08	0.00E+00	4.11E-08	2.80E-08	1.86E-08	0.00E+00	4.66E-08	5.14E-09	3.16E-09	0.00E+00	8.30E-09	2.87E-09	2.73E-09	0.00E+00	5.60E-09

1588	481335.35	3768317.27	1.679E-07	7.57E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
1589	481335.38	3768287.75	8.796E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.49E-09	0.00E+00	1.74E-08
1590	481335.4	3768268.07	6.363E-08	2.87E-08	0.00E+00	9.23E-08	6.30E-08	4.18E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
1591	481258.61	3768267.99	5.879E-08	2.65E-08	0.00E+00	8.53E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.57E-09	0.00E+00	1.73E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
1592	481239.44	3768248.3	4.451E-08	2.01E-08	0.00E+00	6.46E-08	4.40E-08	2.92E-08	0.00E+00	7.32E-08	8.09E-09	4.97E-09	0.00E+00	1.31E-08	4.51E-09	4.29E-09	0.00E+00	8.81E-09
1651	481123.46	3768452.65	3.766E-07	1.70E-07	0.00E+00	5.46E-07	3.73E-07	2.47E-07	0.00E+00	6.20E-07	6.84E-08	4.21E-08	0.00E+00	1.11E-07	3.82E-08	3.63E-08	0.00E+00	7.45E-08
1652	481123.26	3768468.52	4.158E-07	1.88E-07	0.00E+00	6.03E-07	4.11E-07	2.73E-07	0.00E+00	6.84E-07	7.56E-08	4.65E-08	0.00E+00	1.22E-07	4.22E-08	4.01E-08	0.00E+00	8.23E-08
1653	481113.63	3768452.53	3.517E-07	1.59E-07	0.00E+00	5.10E-07	3.48E-07	2.31E-07	0.00E+00	5.79E-07	6.39E-08	3.93E-08	0.00E+00	1.03E-07	3.57E-08	3.39E-08	0.00E+00	6.96E-08
1654	481103.79	3768452.41	3.298E-07	1.49E-07	0.00E+00	4.79E-07	3.26E-07	2.16E-07	0.00E+00	5.43E-07	5.99E-08	3.69E-08	0.00E+00	9.68E-08	3.35E-08	3.18E-08	0.00E+00	6.53E-08
1655	481093.95	3768452.28	3.102E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.04E-07	0.00E+00	5.10E-07	5.64E-08	3.47E-08	0.00E+00	9.10E-08	3.15E-08	2.99E-08	0.00E+00	6.14E-08
1656	481084.11	3768452.16	2.926E-07	1.32E-07	0.00E+00	4.25E-07	2.90E-07	1.92E-07	0.00E+00	4.82E-07	5.32E-08	3.27E-08	0.00E+00	8.59E-08	2.97E-08	2.82E-08	0.00E+00	5.79E-08
1657	481074.27	3768452.03	2.768E-07	1.25E-07	0.00E+00	4.02E-07	2.74E-07	1.82E-07	0.00E+00	4.55E-07	5.03E-08	3.09E-08	0.00E+00	8.12E-08	2.81E-08	2.67E-08	0.00E+00	5.48E-08
1658	481064.44	3768451.91	2.624E-07	1.18E-07	0.00E+00	3.81E-07	2.60E-07	1.72E-07	0.00E+00	4.32E-07	4.77E-08	2.93E-08	0.00E+00	7.70E-08	2.66E-08	2.53E-08	0.00E+00	5.19E-08
1659	481018.28	3768436.48	1.922E-07	8.67E-08	0.00E+00	2.79E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.49E-08	2.15E-08	0.00E+00	5.64E-08	1.95E-08	1.85E-08	0.00E+00	3.80E-08
1660	481008.44	3768436.35	1.842E-07	8.31E-08	0.00E+00	2.67E-07	1.82E-07	1.21E-07	0.00E+00	3.03E-07	3.35E-08	2.06E-08	0.00E+00	5.40E-08	1.87E-08	1.78E-08	0.00E+00	3.64E-08
1661	481014.29	3768422.59	1.731E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.14E-08	1.93E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
1662	481020.15	3768408.83	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
1663	481005.21	3768467.03	2.12E-07	9.56E-08	0.00E+00	3.08E-07	2.10E-07	1.39E-07	0.00E+00	3.49E-07	3.85E-08	2.37E-08	0.00E+00	6.22E-08	2.15E-08	2.05E-08	0.00E+00	4.20E-08
1664	481010.31	3768408.71	1.547E-07	6.98E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
1665	481016.17	3768394.95	1.426E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.36E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
1666	480995.37	3768466.91	2.03E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.96E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
1667	481009.26	3768387.94	1.317E-07	5.94E-08	0.00E+00	1.91E-07	1.30E-07	8.64E-08	0.00E+00	2.17E-07	2.39E-08	1.47E-08	0.00E+00	3.86E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
1668	481015.12	3768374.18	1.2E-07	5.41E-08	0.00E+00	1.74E-07	1.19E-07	7.87E-08	0.00E+00	1.97E-07	2.18E-08	1.34E-08	0.00E+00	3.52E-08	1.22E-08	1.16E-08	0.00E+00	2.37E-08
1669	481020.98	3768360.42	1.084E-07	4.89E-08	0.00E+00	1.57E-07	1.07E-07	7.11E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
1670	480985.53	3768466.78	1.945E-07	8.77E-08	0.00E+00	2.82E-07	1.92E-07	1.28E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.71E-08	1.97E-08	1.88E-08	0.00E+00	3.85E-08
1671	480984.78	3768422.22	1.538E-07	6.94E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
1672	480990.64	3768408.46	1.436E-07	6.48E-08	0.00E+00	2.08E-07	1.42E-07	9.42E-08	0.00E+00	2.36E-07	2.61E-08	1.60E-08	0.00E+00	4.21E-08	1.46E-08	1.39E-08	0.00E+00	2.84E-08
1673	481011.14	3768360.3	1.051E-07	4.74E-08	0.00E+00	1.53E-07	1.04E-07	6.90E-08	0.00E+00	1.73E-07	1.91E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.01E-08	0.00E+00	2.08E-08
1674	480975.7	3768466.66	1.866E-07	8.42E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
1675	480981.66	3768406.31	1.37E-07	6.18E-08	0.00E+00	1.99E-07	1.36E-07	8.99E-08	0.00E+00	2.25E-07	2.49E-08	1.53E-08	0.00E+00	4.02E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
1676	480987.86	3768391.74	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
1677	481026.2	3768315.89	7.247E-08	3.27E-08	0.00E+00	1.05E-07	7.17E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.10E-09	0.00E+00	2.13E-08	7.35E-09	6.99E-09	0.00E+00	1.43E-08
1678	480965.86	3768466.54	1.792E-07	8.08E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
1679	480981.05	3768384.51	1.168E-07	5.27E-08	0.00E+00	1.69E-07	1.16E-07	7.66E-08	0.00E+00	1.92E-07	2.12E-08	1.31E-08	0.00E+00	3.43E-08	1.18E-08	1.13E-08	0.00E+00	2.31E-08
1680	480987.23	3768369.99	1.063E-07	4.79E-08	0.00E+00	1.54E-07	1.05E-07	6.97E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.10E-08
1681	481026.57	3768305.9	6.585E-08	2.97E-08	0.00E+00	9.55E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.35E-09	0.00E+00	1.30E-08
1682	480956.02	3768466.41	1.723E-07	7.77E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
1683	480955.73	3768420.76	1.37E-07	6.18E-08	0.00E+00	1.99E-07	1.36E-07	8.99E-08	0.00E+00	2.26E-07	2.49E-08	1.53E-08	0.00E+00	4.02E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
1684	480961.89	3768406.28	1.279E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
1685	480980.39	3768362.82	9.828E-08	4.43E-08	0.00E+00	1.43E-07	9.72E-08	6.45E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.88E-08	9.97E-09	9.48E-09	0.00E+00	1.94E-08
1686	480998.89	3768319.37	7.051E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
1687	481034.19	3768292.95	5.885E-08	2.65E-08	0.00E+00	8.54E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.16E-08
1688	480946.38	3768450.42	1.55E-07	6.99E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.82E-08	1.73E-08	0.00E+00	4.55E-08	1.57E-08	1.50E-08	0.00E+00	3.07E-08
1689	480946.18	3768466.29	1.658E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
1690	480952.02	3768406.24	1.237E-07	5.58E-08	0.00E+00	1.79E-07	1.22E-07	8.11E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.25E-08	1.19E-08	0.00E+00	2.45E-08
1691	480958.17	3768391.8	1.145E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.51E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.27E-08
1692	481005.41	3768294.9	5.693E-08	2.57E-08	0.00E+00	8.26E-08	5.63E-08	3.74E-08	0.00E+00	9.37E-08	1.03E-08	6.36E-09	0.00E+00	1.67E-08	5.78E-09	5.49E-09	0.00E+00	1.13E-08
1693	481041.74	3768280.02	5.24E-08	2.36E-08	0.00E+00	7.60E-08	5.19E-08	3.44E-08	0.00E+00	8.62E-08	9.52E-09	5.86E-09	0.00E+00	1.54E-08	5.32E-09	5.06E-09	0.00E+00	1.04E-08
1694	480936.54	3768450.3	1.494E-07	6.74E-08	0.00E+00	2.17E-07	1.48E-07	9.80E-08	0.00E+00	2.46E-07	2.71E-08	1.67E-08	0.00E+00	4.38E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
1695	480936.34	3768466.16	1.597E-07	7.20E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.90E-08	1.79E-08	0.00E+00	4.69E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
1696	480951.35	3768384.58	1.065E-07	4.80E-08	0.00E+00	1.55E-07	1.05E-07	6.99E-08	0.00E+00	1.75E-07	1.94E-08	1.19E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
1697	480957.49	3768370.16	9.756E-08	4.40E-08	0.00E+00	1.42E-07	9.65E-08	6.40E-08	0.00E+00	1.61E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.90E-09	9.41E-09	0.00E+00	1.93E-08
1698	481005.73	3768284.94	5.189E-08	2.34E-08	0.00E+00	7.53E-08	5.13E-08	3.41E-08	0.00E+00	8.54E-08	9.43E-09	5.80E-09	0.00E+00	1.52E-08	5.26E-09	5.01E-09	0.00E+00	1.03E-08
1699	481041.98	3768270.09	4.749E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.12E-08	0.00E+00	7.82E-08	8.63E-09	5.31E-09	0.00E+00	1.39E-08	4.82E-09	4.58E-09	0.00E+00	9.40E-09
1700	480926.71	3768450.17	1.441E-07	6.50E-08	0.00E+00	2.09E-07	1.43E-07	9.46E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
1701	480926.51	3768466.04	1.54E-07	6.94E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.80E-08	1.72E-08	0.00E+00	4.52E-08	1.56E-08	1.49E-08	0.00E+00	3.05E-08
1702	480932.28	3768406.15	1.158E-07	5.22E-08	0.00E+00	1.68E-07	1.15E-07	7.60E-08	0.00E+00	1.91E-07	2.10E-08	1.29E-08	0.00E+00	3.40E-08	1.17E-08	1.12E-08	0.00E+00	2.29E-08
1703	480950.65	3768362.99	9.062E-08	4.09E-08	0.00E+00	1.31E-07	8.97E-08	5.95E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.19E-09	8.74E-09	0.00E+00	1.79E-08
1704	480969.02	3768319.84	6.647E-08	3.00E-08	0.00E+00	9.64E-08	6.58E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.43E-09	0.00E+00	1.95E-08	6.74E-09	6.41E-09	0.00E+00	1.32E-08
1705	480975.14	3768305.45	5.931E-08	2.67E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.76E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.72E-09	0.00E+00	1.17E-08
1706	480981.26	3768291.06	5.272E-08	2.38E-08	0.00E+00	7.65E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.58E-09	5.89E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
1707	481013.26	3768272.02	4.648E-08	2.10E-08	0.00E+00	6.74E-08	4.60E-08	3.05E-08	0.00E+00	7.65E-08	8.44E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.20E-09
1708	481049.43	3768257.2	4.222E-08	1.90E-08	0.00E+00	6.13E-08	4.18E-08	2.77E-08	0.00E+00	6.95E-08	7.67E-09	4.72E-09	0.00E+00	1.24E-08	4.28E-09	4.07E-09	0.00E+00	8.35E-09
1709	480916.87	3768450.05	1.391E-07	6.27E-08	0.00E+00	2.02E-07	1.38E-07	9.13E-08	0.00E+00	2.29E-07	2.53E-08	1.55E-08	0.00E+00	4.08E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
1710	480916.67	3768465.92	1.486E-07	6.70E-08	0.00E+00	2.16E-07	1.47E-07	9.75E-08	0.00E+00	2.44E-07	2.70E-08	1.66E-08	0.00E+00	4.36E-08	1.51E-08	1.43E-08	0.00E+00	2.94E-08
1711	480925.47	3768398.92	1.083E-07	4.88E-08	0.00E+00	1.57E-07	1.07E-07	7.11E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.04E-08	0.00E+00	2.14E-08
1712	480931.58	3768384.56	1.004E-07	4.53E-08	0.00E+00	1.46E-07	9.93E-08	6.59E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.02E-08	9.68E-09	0.00E+00	1.99E-08
1713	480984.64	3768273.91	4.541E-08	2.05E-08	0.00E+00	6.59E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.08E-09	0.00E+00	1.33E-08	4.61E-09	4.38E-09	0.00E+00	8.99E-09
1714	481020.74	3768259.12	4.154E-08	1.87E-08	0.00E+00	6.03E-08	4.11E-08	2.73E-08	0.00E+00	6.84E-08	7.55E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.01E-09	0.00E+00	8.22E-09
1715	481056.84	3768244.33	3.754E-08	1.69E-08	0.00E+00	5.45E-08	3.71E-08	2.46E-08	0.00E+00	6.18E-08	6.82E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.43E-09
1716	480907.03	3768449.93	1.344E-07	6.06E-08	0.00E+00	1.95E-07	1.33E-07	8.82E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.94E-08	1.36E-08	1.30E-08	0.00E+00	2.66E-08
1717	480906.83	3768465.79	1.434E-07	6.47E-08	0.00E+00	2.08E-07	1.42E-07	9.41E-08	0.00E+00	2.36E-07	2.61E-08	1.60E-08	0.00E+00	4.21E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
1718	480921.7	3768384.53	9.742E-08	4.39E-08	0.00E+00	1.41E-07	9.64E-08	6.39E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.88E-09	9.40E-09	0.00E+00	1.93E-08
1719	480927.8	3768370.2	8.975E-08	4.05E-08	0.00E+00	1.30E-07	8.88E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.66E-09	0.00E+00	1.78E-08
1720	480984.92	3768263.96	4.155E-08	1.87E-08	0.00E+00	6.03E-08	4.11E-08	2.73E-08	0.00E+00	6.84E-08	7.55E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.01E-09	0.00E+00	8.22E-09
1721	481020.96	3768249.19	3.787E-08	1.71E-08	0.00E+00	5.49E-08	3.75E-08	2.48E-08	0.00E+00	6.23E-08	6.88E-09	4.23E-09	0.00E+00	1.11E-08	3.84E-09	3.65E-09	0.00E+00	7.49E-09
1722	481057	3768234.43	3.416E-08	1.54E-08	0.00E+00	4.96E-08	3.38E-08	2.24E-08	0.00E+00	5.62E-08	6.21E-09	3.82E-09	0.00E+00	1.00E-08	3.46E-09	3.30E-09	0.00E+00	6.76E-09
1723	480897.19	3768449.8	1.299E-07	5.86E-08	0.00E+00	1.88E-07	1.29E-07	8.52E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.81E-08	1.32E-08	1.25E-08	0.00E+00	2.57E-08
1724	480896.99	3768465.67	1.386E-07	6.25E-08	0.00E+00	2.01E-07	1.37E-07	9.09E-08	0.00E+00	2.28E-07	2.52E-08	1.55E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.74E-08
1725	480890.5	3768434.59	1.183E-07	5.34E-08	0.00E+00	1.72E-07	1.17E-07	7.77E-08	0.00E+00	1.95E-07	2.15E-08	1.32E-08	0.00E+00	3.47E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
1726	480920.96	3768363.04	8.366E-08	3.77E-08	0.00E+00	1.21E-07	8.28E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.35E-09	0.00E+00	2.45E-08	8.49E-09	8.07E-09	0.00E+00	1.66E-08
1727	480939.23	3768320.1	6.252E-08	2.82E-08	0.00E+00	9.07E-08	6.19E-08	4.10E-08	0.00E+00	1.03E-07	1.14E-08	6.99E-09	0.00E+00	1.83E-08	6.34E-09	6.03E-09	0.00E+00	1.24E-08
1728	480945.32	3768305.79	5.617E-08	2.53E-08	0.00E+00	8.15E-08	5.56E-08	3.69E-08	0.00E+00	9.24E-08	1.02E-08	6.28E-09	0.00E+00	1.65E-08	5.70E-09	5.42E-09	0.00E+00	1.11E-08
1729	480951.41	3768291.48	5.03E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.95E-09
1730	480957.5	3768277.17	4.491E-08	2.03E-08	0.00E+00	6.52E-08	4.44E-08	2.95E-08	0.00E+00	7.39E-08	8.16E-09	5.02E-09	0.00E+00	1.32E-08	4.56E-09	4.33E-09	0.00E+00	8.89E-09
1731	480992.38	3768251.07	3.736E-08	1.68E-08	0.00E+00	5.42E-08	3.70E-08	2.45E-08	0.00E+00	6.15E-08	6.79E-09	4.18E-09	0.00E+00	1.10E-08	3.79E-09	3.60E-09	0.00E+00	7.39E-09
1732	481028.36	3768236.33	3.388E-08	1.53E-08	0.00E+00	4.92E-08	3.35E-08	2.22E-08	0.00E+00	5.58E-08	6.16E-09	3.79E-09	0.00E+00	9.94E-09	3.44E-09	3.27E-09	0.00E+00	6.71E-09
1733	481064.35	3768221.59	3.048E-08	1.37E-08	0.00E+00	4.42E-08	3.02E-08	2.00E-08	0.00E+00	5.02E-08	5.54E-09	3.41E-09	0.00E+00	8.94E-09	3.09E-09	2.94E-09	0.00E+00	6.03E-09
1734	480887.35	3768449.68	1.256E-07	5.67E-08	0.00E+00	1.82E-07	1.24E-07	8.24E-08	0.00E+00	2.07E-07	2.28E-08	1.40E-08	0.00E+00	3.69E-08	1.27E-08	1.21E-08	0.00E+00	2.49E-08
1735	480887.15	3768465.54	1.34E-07	6.04E-08	0.00E+00	1.94E-07	1.33E-07	8.79E-08	0.00E+00	2.21E-07	2.43E-08	1.50E-08	0.00E+00	3.93E-08	1.36E-08	1.29E-08	0.00E+00	2.65E-08
1736	480895.86	3768398.75	9.883E-08	4.46E-08	0.00E+00	1.43E-07	9.78E-08	6.49E-08	0.00E+00	1.63E-07	1.80E-08	1.10E-08	0.00E+00	2.90E-08	1.00E-08	9.53E-09	0.00E+00	1.96E-08
1737	480901.95	3768384.46	9.195E-08	4.15E-08	0.00E+00	1.33E-07	9.10E-08	6.03E-08	0.00E+00	1.51E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.33E-09	8.87E-09	0.00E+00	1.82E-08
1738	480932.36	3768313.01	5.817E-08	2.62E-08	0.00E+00	8.44E-08	5.76E-08	3.82E-08	0.00E+00	9.57E-08	1.06E-08	6.50E-09	0.00E+00	1.71E-08	5.90E-09	5.61E-09	0.00E+00	1.15E-08
1739	480947.56	3768277.29	4.427E-08	2.00E-08	0.00E+00	6.42E-08	4.38E-08	2.91E-08	0.00E+00	7.29E-08	8.04E-09	4.95E-09	0.00E+00	1.30E-08	4.49E-09	4.27E-09	0.00E+00	8.76E-09
1740	480963.87	3768252.91	3.674E-08	1.66E-08	0.00E+00	5.33E-08	3.64E-08	2.41E-08	0.00E+00	6.05E-08	6.68E-09	4.11E-09	0.00E+00	1.08E-08	3.73E-09	3.54E-09	0.00E+00	7.27E-09
1741	480999.8	3768238.19	3.358E-08	1.51E-08	0.00E+00	4.87E-08	3.32E-08	2.20E-08	0.00E+00	5.53E-08	6.10E-09	3.75E-09	0.00E+00	9.85E-09	3.41E-09	3.24E-09	0.00E+00	6.65E-09

1764	480971.53	3768230.1	3.053E-08	1.38E-08	0.00E+00	4.43E-08	3.02E-08	2.00E-08	0.00E+00	5.02E-08	5.55E-09	3.41E-09	0.00E+00	8.96E-09	3.10E-09	2.94E-09	0.00E+00	6.04E-09
1765	481007.37	3768215.42	2.776E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.04E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.49E-09
1766	481043.2	3768200.75	2.509E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.55E-09	2.42E-09	0.00E+00	4.97E-09
1767	481079.04	3768186.07	2.262E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
1768	480857.84	3768449.31	1.14E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
1769	480857.64	3768465.17	1.213E-07	5.47E-08	0.00E+00	1.76E-07	1.20E-07	7.96E-08	0.00E+00	2.00E-07	2.20E-08	1.36E-08	0.00E+00	3.56E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
1770	480872.34	3768384.31	8.462E-08	3.82E-08	0.00E+00	1.23E-07	8.37E-08	5.55E-08	0.00E+00	1.39E-07	1.54E-08	9.46E-09	0.00E+00	2.48E-08	8.58E-09	8.16E-09	0.00E+00	1.67E-08
1771	480899.6	3768320.25	5.772E-08	2.60E-08	0.00E+00	8.38E-08	5.71E-08	3.79E-08	0.00E+00	9.50E-08	1.05E-08	6.45E-09	0.00E+00	1.69E-08	5.86E-09	5.57E-09	0.00E+00	1.14E-08
1772	480905.66	3768306.02	5.229E-08	2.36E-08	0.00E+00	7.59E-08	5.17E-08	3.43E-08	0.00E+00	8.61E-08	9.50E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
1773	480914.75	3768284.66	4.477E-08	2.02E-08	0.00E+00	6.50E-08	4.43E-08	2.94E-08	0.00E+00	7.37E-08	8.14E-09	5.00E-09	0.00E+00	1.31E-08	4.54E-09	4.32E-09	0.00E+00	8.86E-09
1774	480926.87	3768256.19	3.61E-08	1.63E-08	0.00E+00	5.24E-08	3.57E-08	2.37E-08	0.00E+00	5.94E-08	6.56E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.14E-09
1775	480932.93	3768241.96	3.236E-08	1.46E-08	0.00E+00	4.70E-08	3.20E-08	2.12E-08	0.00E+00	5.33E-08	5.88E-09	3.62E-09	0.00E+00	9.50E-09	3.28E-09	3.12E-09	0.00E+00	6.40E-09
1776	480943.12	3768231.91	3.014E-08	1.36E-08	0.00E+00	4.37E-08	2.98E-08	1.98E-08	0.00E+00	4.96E-08	5.48E-09	3.37E-09	0.00E+00	8.84E-09	3.06E-09	2.91E-09	0.00E+00	5.96E-09
1777	480978.91	3768217.25	2.76E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
1778	481014.7	3768202.59	2.507E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
1779	481050.49	3768187.93	2.27E-08	1.02E-08	0.00E+00	3.29E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.12E-09	2.54E-09	0.00E+00	6.66E-09	2.30E-09	2.19E-09	0.00E+00	4.49E-09
1781	480848	3768449.18	1.105E-07	4.98E-08	0.00E+00	1.60E-07	1.09E-07	7.25E-08	0.00E+00	1.82E-07	2.01E-08	1.23E-08	0.00E+00	3.24E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
1782	480847.8	3768465.05	1.175E-07	5.30E-08	0.00E+00	1.70E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
1783	480841.29	3768434.02	1.013E-07	4.57E-08	0.00E+00	1.47E-07	1.00E-07	6.64E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.77E-09	0.00E+00	2.00E-08
1784	480862.47	3768384.25	8.239E-08	3.72E-08	0.00E+00	1.20E-07	8.15E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.21E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
1785	480868.53	3768370.03	7.653E-08	3.45E-08	0.00E+00	1.11E-07	7.57E-08	5.02E-08	0.00E+00	1.26E-07	1.39E-08	8.55E-09	0.00E+00	2.25E-08	7.76E-09	7.38E-09	0.00E+00	1.51E-08
1786	480943.35	3768221.98	2.783E-08	1.26E-08	0.00E+00	4.04E-08	2.75E-08	1.83E-08	0.00E+00	4.58E-08	5.06E-09	3.11E-09	0.00E+00	8.17E-09	2.82E-09	2.69E-09	0.00E+00	5.51E-09
1787	480979.1	3768207.33	2.546E-08	1.15E-08	0.00E+00	3.69E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.63E-09	2.85E-09	0.00E+00	7.47E-09	2.58E-09	2.46E-09	0.00E+00	5.04E-09
1788	481014.85	3768192.69	2.316E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.80E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
1791	480838.16	3768449.06	1.071E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
1792	480837.96	3768464.92	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.47E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
1793	480811.29	3768433.65	9.257E-08	4.17E-08	0.00E+00	1.34E-07	9.16E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.72E-08	9.39E-09	8.93E-09	0.00E+00	1.83E-08
1794	480832.44	3768383.96	7.596E-08	3.43E-08	0.00E+00	1.10E-07	7.52E-08	4.98E-08	0.00E+00	1.25E-07	1.38E-08	8.49E-09	0.00E+00	2.23E-08	7.71E-09	7.33E-09	0.00E+00	1.50E-08
1795	480838.48	3768369.76	7.087E-08	3.20E-08	0.00E+00	1.03E-07	7.01E-08	4.65E-08	0.00E+00	1.17E-07	1.29E-08	7.92E-09	0.00E+00	2.08E-08	7.19E-09	6.84E-09	0.00E+00	1.40E-08
1796	480922.26	3768200.63	2.323E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
1797	480957.96	3768186.01	2.132E-08	9.61E-09	0.00E+00	3.09E-08	2.11E-08	1.40E-08	0.00E+00	3.51E-08	3.87E-09	2.38E-09	0.00E+00	6.26E-09	2.16E-09	2.06E-09	0.00E+00	4.22E-09
1803	480808.17	3768448.68	9.782E-08	4.41E-08	0.00E+00	1.42E-07	9.68E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.44E-09	0.00E+00	1.94E-08
1804	480807.97	3768464.55	1.04E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.82E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.05E-08	1.00E-08	0.00E+00	2.06E-08
1805	480781.37	3768433.08	8.487E-08	3.83E-08	0.00E+00	1.23E-07	8.40E-08	5.57E-08	0.00E+00	1.40E-07	1.54E-08	9.49E-09	0.00E+00	2.49E-08	8.61E-09	8.19E-09	0.00E+00	1.68E-08
1806	480806.21	3768374.73	6.735E-08	3.04E-08	0.00E+00	9.77E-08	6.66E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
1807	480901.58	3768179.11	1.965E-08	8.86E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.57E-09	2.20E-09	0.00E+00	5.77E-09	1.99E-09	1.90E-09	0.00E+00	3.89E-09
1815	480778.17	3768448.3	8.969E-08	4.04E-08	0.00E+00	1.30E-07	8.87E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.77E-08
1816	480777.97	3768464.17	9.523E-08	4.29E-08	0.00E+00	1.38E-07	9.42E-08	6.25E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.66E-09	9.19E-09	0.00E+00	1.88E-08
1817	480776.12	3768374.57	6.268E-08	2.83E-08	0.00E+00	9.09E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.36E-09	6.05E-09	0.00E+00	1.24E-08
1818	480880.47	3768157.77	1.683E-08	7.59E-09	0.00E+00	2.44E-08	1.67E-08	1.10E-08	0.00E+00	2.77E-08	3.06E-09	1.88E-09	0.00E+00	4.94E-09	1.71E-09	1.62E-09	0.00E+00	3.33E-09
1819	480917.02	3768142.8	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
1828	480859.36	3768136.43	1.461E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.59E-09	0.00E+00	2.41E-08	2.66E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
1829	480895.81	3768121.5	1.361E-08	6.14E-09	0.00E+00	1.97E-08	1.35E-08	8.93E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
1830	480932.26	3768106.57	1.271E-08	5.73E-09	0.00E+00	1.84E-08	1.26E-08	8.34E-09	0.00E+00	2.09E-08	2.31E-09	1.42E-09	0.00E+00	3.73E-09	1.29E-09	1.23E-09	0.00E+00	2.51E-09
1839	480691.35	3768432	6.773E-08	3.05E-08	0.00E+00	9.83E-08	6.70E-08	4.44E-08	0.00E+00	1.11E-07	1.23E-08	7.57E-09	0.00E+00	1.99E-08	6.87E-09	6.53E-09	0.00E+00	1.34E-08
1840	480697.51	3768417.54	6.471E-08	2.92E-08	0.00E+00	9.39E-08	6.40E-08	4.25E-08	0.00E+00	1.06E-07	1.18E-08	7.23E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
1850	480688.18	3768447.17	7.126E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.68E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.23E-09	6.87E-09	0.00E+00	1.41E-08
1851	480687.98	3768463.03	7.532E-08	3.40E-08	0.00E+00	1.09E-07	7.45E-08	4.94E-08	0.00E+00	1.24E-07	1.37E-08	8.42E-09	0.00E+00	2.21E-08	7.64E-09	7.27E-09	0.00E+00	1.49E-08
1852	480661.35	3768431.64	6.321E-08	2.85E-08	0.00E+00	9.17E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.41E-09	6.10E-09	0.00E+00	1.25E-08
1853	480667.49	3768417.21	6.046E-08	2.73E-08	0.00E+00	8.77E-08	5.98E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.77E-08	6.13E-09	5.83E-09	0.00E+00	1.20E-08
1854	480704.35	3768330.61	4.245E-08	1.91E-08	0.00E+00	6.16E-08	4.20E-08	2.79E-08	0.00E+00	6.99E-08	7.71E-09	4.74E-09	0.00E+00	1.25E-08	4.31E-09	4.10E-09	0.00E+00	8.40E-09
1855	480710.49	3768316.18	3.952E-08	1.78E-08	0.00E+00	5.73E-08	3.91E-08	2.59E-08	0.00E+00	6.50E-08	7.18E-09	4.42E-09	0.00E+00	1.16E-08	4.01E-09	3.81E-09	0.00E+00	7.82E-09
1856	480716.64	3768301.75	3.666E-08	1.65E-08	0.00E+00	5.32E-08	3.63E-08	2.41E-08	0.00E+00	6.03E-08	6.66E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.25E-09
1857	480753.5	3768215.15	2.225E-08	1.00E-08	0.00E+00	3.23E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.49E-09	0.00E+00	6.53E-09	2.26E-09	2.15E-09	0.00E+00	4.40E-09
1858	480759.64	3768200.72	2.041E-08	9.20E-09	0.00E+00	2.96E-08	2.02E-08	1.34E-08	0.00E+00	3.36E-08	3.71E-09	2.28E-09	0.00E+00	5.99E-09	2.07E-09	1.97E-09	0.00E+00	4.04E-09
1859	480765.78	3768186.29	1.873E-08	8.45E-09	0.00E+00	2.72E-08	1.85E-08	1.23E-08	0.00E+00	3.08E-08	3.40E-09	2.09E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
1860	480771.93	3768171.85	1.721E-08	7.76E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.83E-08	3.13E-09	1.92E-09	0.00E+00	5.05E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
1861	480778.07	3768157.42	1.584E-08	7.14E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.65E-09	1.61E-09	1.53E-09	0.00E+00	3.13E-09
1862	480784.21	3768142.99	1.461E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.58E-09	0.00E+00	2.40E-08	2.65E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
1879	480658.18	3768446.79	6.643E-08	3.00E-08	0.00E+00	9.64E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.43E-09	0.00E+00	1.95E-08	6.74E-09	6.41E-09	0.00E+00	1.31E-08
1880	480657.98	3768462.65	7.015E-08	3.16E-08	0.00E+00	1.02E-07	6.94E-08	4.60E-08	0.00E+00	1.15E-07	1.27E-08	7.84E-09	0.00E+00	2.06E-08	7.12E-09	6.77E-09	0.00E+00	1.39E-08
1881	480631.35	3768431.28	5.915E-08	2.67E-08	0.00E+00	8.58E-08	5.85E-08	3.88E-08	0.00E+00	9.74E-08	1.07E-08	6.61E-09	0.00E+00	1.74E-08	6.00E-09	5.71E-09	0.00E+00	1.17E-08
1882	480637.48	3768416.87	5.663E-08	2.55E-08	0.00E+00	8.22E-08	5.60E-08	3.72E-08	0.00E+00	9.32E-08	1.03E-08	6.33E-09	0.00E+00	1.66E-08	5.74E-09	5.46E-09	0.00E+00	1.12E-08
1883	480674.27	3768330.44	4.025E-08	1.82E-08	0.00E+00	5.84E-08	3.98E-08	2.64E-08	0.00E+00	6.62E-08	7.31E-09	4.50E-09	0.00E+00	1.18E-08	4.08E-09	3.88E-09	0.00E+00	7.97E-09
1884	480680.4	3768316.03	3.757E-08	1.69E-08	0.00E+00	5.45E-08	3.72E-08	2.47E-08	0.00E+00	6.18E-08	6.83E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.44E-09
1885	480686.53	3768301.62	3.494E-08	1.58E-08	0.00E+00	5.07E-08	3.46E-08	2.29E-08	0.00E+00	5.75E-08	6.35E-09	3.90E-09	0.00E+00	1.03E-08	3.54E-09	3.37E-09	0.00E+00	6.91E-09
1886	480692.66	3768287.22	3.24E-08	1.46E-08	0.00E+00	4.70E-08	3.21E-08	2.13E-08	0.00E+00	5.33E-08	5.89E-09	3.62E-09	0.00E+00	9.51E-09	3.29E-09	3.13E-09	0.00E+00	6.41E-09
1887	480698.8	3768272.81	3E-08	1.35E-08	0.00E+00	4.35E-08	2.97E-08	1.97E-08	0.00E+00	4.94E-08	5.45E-09	3.35E-09	0.00E+00	8.80E-09	3.04E-09	2.89E-09	0.00E+00	5.94E-09
1888	480704.93	3768258.41	2.772E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.04E-09	3.10E-09	0.00E+00	8.13E-09	2.81E-09	2.67E-09	0.00E+00	5.49E-09
1889	480711.06	3768244	2.555E-08	1.15E-08	0.00E+00	3.71E-08	2.53E-08	1.68E-08	0.00E+00	4.20E-08	4.64E-09	2.86E-09	0.00E+00	7.50E-09	2.59E-09	2.46E-09	0.00E+00	5.06E-09
1890	480717.19	3768229.59	2.352E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.39E-09	2.27E-09	0.00E+00	4.65E-09
1891	480723.32	3768215.19	2.164E-08	9.76E-09	0.00E+00	3.14E-08	2.14E-08	1.42E-08	0.00E+00	3.56E-08	3.93E-09	2.42E-09	0.00E+00	6.35E-09	2.20E-09	2.09E-09	0.00E+00	4.28E-09
1892	480753.98	3768143.16	1.436E-08	6.48E-09	0.00E+00	2.08E-08	1.42E-08	9.42E-09	0.00E+00	2.36E-08	2.61E-09	1.61E-09	0.00E+00	4.21E-09	1.46E-09	1.39E-09	0.00E+00	2.84E-09
1911	480628.18	3768446.41	6.21E-08	2.80E-08	0.00E+00	9.01E-08	6.15E-08	4.08E-08	0.00E+00	1.02E-07	1.13E-08	6.94E-09	0.00E+00	1.82E-08	6.30E-09	5.99E-09	0.00E+00	1.23E-08
1912	480627.98	3768462.28	6.551E-08	2.95E-08	0.00E+00	9.51E-08	6.48E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.32E-09	0.00E+00	1.92E-08	6.65E-09	6.32E-09	0.00E+00	1.30E-08
1913	480601.34	3768430.91	5.548E-08	2.50E-08	0.00E+00	8.05E-08	5.49E-08	3.64E-08	0.00E+00	9.13E-08	1.01E-08	6.20E-09	0.00E+00	1.63E-08	5.63E-09	5.35E-09	0.00E+00	1.10E-08
1914	480607.47	3768416.53	5.317E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.75E-08	9.66E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.13E-09	0.00E+00	1.05E-08
1915	480644.2	3768330.24	3.821E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.56E-09
1916	480650.32	3768315.85	3.576E-08	1.61E-08	0.00E+00	5.19E-08	3.54E-08	2.35E-08	0.00E+00	5.88E-08	6.50E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.08E-09
1917	480656.44	3768301.47	3.335E-08	1.50E-08	0.00E+00	4.84E-08	3.30E-08	2.19E-08	0.00E+00	5.49E-08	6.06E-09	3.73E-09	0.00E+00	9.79E-09	3.38E-09	3.22E-09	0.00E+00	6.60E-09
1918	480662.56	3768287.09	3.102E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.10E-08	5.64E-09	3.47E-09	0.00E+00	9.10E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
1919	480668.68	3768272.71	2.88E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.23E-09	3.22E-09	0.00E+00	8.45E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
1920	480674.8	3768258.33	2.669E-08	1.20E-08	0.00E+00	3.87E-08	2.64E-08	1.75E-08	0.00E+00	4.39E-08	4.85E-09	2.98E-09	0.00E+00	7.83E-09	2.71E-09	2.58E-09	0.00E+00	5.28E-09
1921	480680.92	3768243.94	2.468E-08	1.11E-08	0.00E+00	3.58E-08	2.44E-08	1.62E-08	0.00E+00	4.06E-08	4.48E-09	2.76E-09	0.00E+00	7.24E-09	2.50E-09	2.38E-09	0.00E+00	4.88E-09
1922	480687.05	3768229.56	2.279E-08	1.03E-08	0.00E+00	3.31E-08	2.26E-08	1.50E-08	0.00E+00	3.75E-08	4.14E-09	2.55E-09	0.00E+00	6.69E-09	2.31E-09	2.20E-09	0.00E+00	4.51E-09
1923	480693.17	3768215.18	2.103E-08	9.48E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.17E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
1924	480699.29	3768200.8	1.94E-08	8.75E-09	0.00E+00	2.82E-08	1.92E-08	1.27E-08	0.00E+00	3.19E-08	3.53E-09	2.17E-09	0.00E+00	5.69E-09	1.97E-09	1.87E-09	0.00E+00	3.84E-09
1925	480705.41	3768186.41	1.789E-08	8.07E-09	0.00E+00	2.60E-08	1.77E-08	1.17E-08	0.00E+00	2.94E-08	3.25E-09	2.00E-09	0.00E+00	5.25E-09	1.82E-09	1.73E-09	0.00E+00	3.54E-09
1926	480711.53	3768172.03	1.651E-08	7.45E-09	0.00E+00	2.40E-08	1.63E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.68E-09	1.59E-09	0.00E+00	3.27E-09
1927	480717.65	3768157.65	1.526E-08	6.88E-09	0.00E+00	2.21E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.77E-09	1.70E-09	0.00E+00	4.48E-09	1.55E-09	1.47E-09	0.00E+00	3.02E-09
1948	480598.18	3768446.03	5.82E-08	2.62E-08	0.00E+00	8.44E-08	5.76E-08	3.82E-08	0.00E+00	9.58E-08	1.06E-08	6.50E-09	0.00E+00	1.71E-08	5.90E-09	5.61E-09	0.00E+00	1.15E-08
1949	480597.98	3768461.9	6.134E-08	2.77E-08	0.00E+00	8.90E-08	6.07E-08	4.02E-08	0.00E+00	1.01E-07	1.11E-08	6.86E-09	0.00E+00	1.80E-08	6.22E-09	5.92E-09	0.00E+00	1.21E-08
1950	480571.34	3768430.54	5.218E-08	2.35E-08	0.00E+00	7.57E-08	5.16E-08	3.42E-08	0.00E+00	8.59E-08	9.48E-09	5.83E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
1951	480577.45	3768416.18	5.003E-08	2.26E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.83E-09	0.00E+00	9.90E-09
1952	480614.13	3768330.02	3.632E-08	1.64E-08	0.00E+00	5.27E-08	3.59E-08	2.38E-08	0.00E+00	5.98E-08	6.60E-09	4.06E-09	0.00E+00	1.07E-08	3.68E-09	3.50E-09	0.00E+00	7.19E-09
1953	480620.24	3768315.66	3.407E-08	1.54E-08	0.00E+00	4.94E-08	3.37E-08	2.24E-08	0.00E+00	5.61E-08	6.19E-09	3.81E-09	0.00E+00	1.00E-08	3.46E-09	3.29E-09	0.00E+00	6.74E-09
1954	480

2002	480622.12	3768240.39	2.261E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
2003	480628.33	3768225.8	2.097E-08	9.46E-09	0.00E+00	3.04E-08	2.07E-08	1.38E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.13E-09	2.02E-09	0.00E+00	4.15E-09
2004	480634.54	3768211.21	1.943E-08	8.76E-09	0.00E+00	2.82E-08	1.92E-08	1.27E-08	0.00E+00	3.20E-08	3.53E-09	2.17E-09	0.00E+00	5.70E-09	1.97E-09	1.87E-09	0.00E+00	3.84E-09
2005	480640.75	3768196.62	1.799E-08	8.11E-09	0.00E+00	2.61E-08	1.78E-08	1.18E-08	0.00E+00	2.96E-08	3.27E-09	2.01E-09	0.00E+00	5.28E-09	1.82E-09	1.74E-09	0.00E+00	3.56E-09
2006	480646.96	3768182.04	1.666E-08	7.51E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.74E-08	3.03E-09	1.86E-09	0.00E+00	4.89E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
2007	480653.17	3768167.45	1.544E-08	6.96E-09	0.00E+00	2.24E-08	1.53E-08	1.01E-08	0.00E+00	2.54E-08	2.80E-09	1.73E-09	0.00E+00	4.53E-09	1.57E-09	1.49E-09	0.00E+00	3.05E-09
2008	480659.38	3768152.86	1.43E-08	6.45E-09	0.00E+00	2.08E-08	1.42E-08	9.38E-09	0.00E+00	2.35E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
2016	480709.06	3768036.15	8.35E-09	3.77E-09	0.00E+00	1.21E-08	8.26E-09	5.48E-09	0.00E+00	1.37E-08	1.52E-09	9.33E-10	0.00E+00	2.45E-09	8.47E-10	8.05E-10	0.00E+00	1.65E-09
2017	480715.26	3768021.56	7.893E-09	3.56E-09	0.00E+00	1.15E-08	7.81E-09	5.18E-09	0.00E+00	1.30E-08	1.43E-09	8.82E-10	0.00E+00	2.32E-09	8.01E-10	7.61E-10	0.00E+00	1.56E-09
2042	480538.19	3768445.28	5.148E-08	2.32E-08	0.00E+00	7.47E-08	5.09E-08	3.38E-08	0.00E+00	8.47E-08	9.35E-09	5.75E-09	0.00E+00	1.51E-08	5.22E-09	4.97E-09	0.00E+00	1.02E-08
2043	480537.99	3768461.14	5.414E-08	2.44E-08	0.00E+00	7.86E-08	5.36E-08	3.55E-08	0.00E+00	8.91E-08	9.84E-09	6.05E-09	0.00E+00	1.59E-08	5.49E-09	5.22E-09	0.00E+00	1.07E-08
2044	481143.36	3768507.71	5.333E-07	2.41E-07	0.00E+00	7.74E-07	5.28E-07	3.50E-07	0.00E+00	8.78E-07	9.69E-08	5.96E-08	0.00E+00	1.56E-07	5.41E-08	5.14E-08	0.00E+00	1.06E-07
2045	481152.46	3768510.48	5.721E-07	2.58E-07	0.00E+00	8.30E-07	5.66E-07	3.75E-07	0.00E+00	9.41E-07	1.04E-07	6.39E-08	0.00E+00	1.68E-07	5.80E-08	5.52E-08	0.00E+00	1.13E-07
2046	481161.57	3768513.25	6.131E-07	2.76E-07	0.00E+00	8.90E-07	6.07E-07	4.02E-07	0.00E+00	1.01E-06	1.11E-07	6.85E-08	0.00E+00	1.80E-07	6.22E-08	5.91E-08	0.00E+00	1.21E-07
2047	481170.67	3768516.01	6.553E-07	2.96E-07	0.00E+00	9.51E-07	6.48E-07	4.30E-07	0.00E+00	1.08E-06	1.19E-07	7.32E-08	0.00E+00	1.92E-07	6.65E-08	6.32E-08	0.00E+00	1.30E-07
2048	481179.78	3768518.78	6.973E-07	3.14E-07	0.00E+00	1.01E-06	6.90E-07	4.58E-07	0.00E+00	1.15E-06	1.27E-07	7.79E-08	0.00E+00	2.05E-07	7.07E-08	6.73E-08	0.00E+00	1.38E-07
2049	481188.88	3768521.55	7.354E-07	3.32E-07	0.00E+00	1.07E-06	7.28E-07	4.83E-07	0.00E+00	1.21E-06	1.34E-07	8.22E-08	0.00E+00	2.16E-07	7.46E-08	7.09E-08	0.00E+00	1.46E-07
2050	481197.99	3768524.32	7.654E-07	3.45E-07	0.00E+00	1.11E-06	7.57E-07	5.02E-07	0.00E+00	1.26E-06	1.39E-07	8.55E-08	0.00E+00	2.25E-07	7.76E-08	7.38E-08	0.00E+00	1.51E-07
2051	481207.09	3768527.09	7.822E-07	3.53E-07	0.00E+00	1.13E-06	7.74E-07	5.13E-07	0.00E+00	1.29E-06	1.42E-07	8.74E-08	0.00E+00	2.30E-07	7.93E-08	7.55E-08	0.00E+00	1.55E-07
2052	481149.6	3768519.89	5.445E-07	2.46E-07	0.00E+00	7.90E-07	5.39E-07	3.57E-07	0.00E+00	8.96E-07	9.89E-08	6.09E-08	0.00E+00	1.60E-07	5.52E-08	5.25E-08	0.00E+00	1.08E-07
2053	481158.71	3768522.66	5.763E-07	2.60E-07	0.00E+00	8.36E-07	5.70E-07	3.78E-07	0.00E+00	9.48E-07	1.05E-07	6.44E-08	0.00E+00	1.69E-07	5.85E-08	5.56E-08	0.00E+00	1.14E-07
2054	481167.81	3768525.43	6.074E-07	2.74E-07	0.00E+00	8.81E-07	6.01E-07	3.99E-07	0.00E+00	1.00E-06	1.10E-07	6.79E-08	0.00E+00	1.78E-07	6.16E-08	5.86E-08	0.00E+00	1.20E-07
2055	481176.92	3768528.2	6.361E-07	2.87E-07	0.00E+00	9.23E-07	6.29E-07	4.17E-07	0.00E+00	1.05E-06	1.16E-07	7.11E-08	0.00E+00	1.87E-07	6.45E-08	6.14E-08	0.00E+00	1.26E-07
2056	481186.02	3768530.97	6.602E-07	2.98E-07	0.00E+00	9.58E-07	6.53E-07	4.33E-07	0.00E+00	1.09E-06	1.20E-07	7.38E-08	0.00E+00	1.94E-07	6.70E-08	6.37E-08	0.00E+00	1.31E-07
2057	481195.13	3768533.73	6.772E-07	3.05E-07	0.00E+00	9.83E-07	6.70E-07	4.44E-07	0.00E+00	1.11E-06	1.23E-07	7.57E-08	0.00E+00	1.99E-07	6.87E-08	6.53E-08	0.00E+00	1.34E-07
2058	481204.23	3768536.5	6.852E-07	3.09E-07	0.00E+00	9.94E-07	6.78E-07	4.50E-07	0.00E+00	1.13E-06	1.25E-07	7.66E-08	0.00E+00	2.01E-07	6.95E-08	6.61E-08	0.00E+00	1.36E-07
2059	481122.18	3768519.26	4.51E-07	2.03E-07	0.00E+00	6.54E-07	4.46E-07	2.96E-07	0.00E+00	7.42E-07	8.20E-08	5.04E-08	0.00E+00	1.32E-07	4.58E-08	4.35E-08	0.00E+00	8.93E-08
2060	481109.48	3768510.25	4.171E-07	1.88E-07	0.00E+00	6.05E-07	4.13E-07	2.74E-07	0.00E+00	6.86E-07	7.58E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.25E-08
2061	481100.76	3768498.33	3.897E-07	1.76E-07	0.00E+00	5.65E-07	3.86E-07	2.56E-07	0.00E+00	6.41E-07	7.08E-08	4.36E-08	0.00E+00	1.14E-07	3.95E-08	3.76E-08	0.00E+00	7.71E-08
2062	481146.74	3768529.3	5.15E-07	2.32E-07	0.00E+00	7.47E-07	5.10E-07	3.38E-07	0.00E+00	8.48E-07	9.36E-08	5.76E-08	0.00E+00	1.51E-07	5.22E-08	4.97E-08	0.00E+00	1.02E-07
2063	481155.84	3768532.07	5.389E-07	2.43E-07	0.00E+00	7.82E-07	5.33E-07	3.54E-07	0.00E+00	8.87E-07	9.79E-08	6.02E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
2064	481164.95	3768534.84	5.613E-07	2.53E-07	0.00E+00	8.14E-07	5.55E-07	3.68E-07	0.00E+00	9.24E-07	1.02E-07	6.27E-08	0.00E+00	1.65E-07	5.69E-08	5.41E-08	0.00E+00	1.11E-07
2065	481174.05	3768537.61	5.806E-07	2.62E-07	0.00E+00	8.42E-07	5.74E-07	3.81E-07	0.00E+00	9.55E-07	1.05E-07	6.49E-08	0.00E+00	1.70E-07	5.89E-08	5.60E-08	0.00E+00	1.15E-07
2066	481183.16	3768540.38	5.954E-07	2.69E-07	0.00E+00	8.64E-07	5.89E-07	3.91E-07	0.00E+00	9.80E-07	1.08E-07	6.65E-08	0.00E+00	1.75E-07	6.04E-08	5.74E-08	0.00E+00	1.18E-07
2067	481192.26	3768543.15	6.044E-07	2.73E-07	0.00E+00	8.77E-07	5.98E-07	3.97E-07	0.00E+00	9.95E-07	1.10E-07	6.75E-08	0.00E+00	1.77E-07	6.13E-08	5.83E-08	0.00E+00	1.20E-07
2068	481201.37	3768545.92	6.071E-07	2.74E-07	0.00E+00	8.81E-07	6.01E-07	3.98E-07	0.00E+00	9.99E-07	1.10E-07	6.79E-08	0.00E+00	1.78E-07	6.16E-08	5.86E-08	0.00E+00	1.20E-07
2069	481118.05	3768527.77	4.332E-07	1.95E-07	0.00E+00	6.29E-07	4.29E-07	2.84E-07	0.00E+00	7.13E-07	7.87E-08	4.84E-08	0.00E+00	1.27E-07	4.39E-08	4.18E-08	0.00E+00	8.57E-08
2070	481110.43	3768522.36	4.172E-07	1.88E-07	0.00E+00	6.05E-07	4.13E-07	2.74E-07	0.00E+00	6.87E-07	7.58E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.26E-08
2071	481102.81	3768516.96	3.997E-07	1.80E-07	0.00E+00	5.80E-07	3.96E-07	2.62E-07	0.00E+00	6.58E-07	7.26E-08	4.47E-08	0.00E+00	1.17E-07	4.05E-08	3.86E-08	0.00E+00	7.91E-08
2072	481092.35	3768502.65	3.721E-07	1.68E-07	0.00E+00	5.40E-07	3.68E-07	2.44E-07	0.00E+00	6.12E-07	6.76E-08	4.16E-08	0.00E+00	1.09E-07	3.77E-08	3.59E-08	0.00E+00	7.36E-08
2073	481089.5	3768493.75	3.599E-07	1.62E-07	0.00E+00	5.22E-07	3.56E-07	2.36E-07	0.00E+00	5.92E-07	6.54E-08	4.02E-08	0.00E+00	1.06E-07	3.65E-08	3.47E-08	0.00E+00	7.12E-08
2074	481143.88	3768538.72	4.847E-07	2.19E-07	0.00E+00	7.03E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.81E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.59E-08
2075	481152.98	3768541.49	5.021E-07	2.26E-07	0.00E+00	7.29E-07	4.97E-07	3.30E-07	0.00E+00	8.26E-07	9.12E-08	5.61E-08	0.00E+00	1.47E-07	5.09E-08	4.84E-08	0.00E+00	9.94E-08
2076	481162.09	3768544.25	5.178E-07	2.34E-07	0.00E+00	7.51E-07	5.12E-07	3.40E-07	0.00E+00	8.52E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.25E-08	5.00E-08	0.00E+00	1.02E-07
2077	481171.19	3768547.02	5.304E-07	2.39E-07	0.00E+00	7.70E-07	5.25E-07	3.48E-07	0.00E+00	8.73E-07	9.64E-08	5.93E-08	0.00E+00	1.56E-07	5.38E-08	5.12E-08	0.00E+00	1.05E-07
2078	481180.3	3768549.79	5.389E-07	2.43E-07	0.00E+00	7.82E-07	5.33E-07	3.54E-07	0.00E+00	8.87E-07	9.79E-08	6.02E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
2079	481189.4	3768552.56	5.428E-07	2.45E-07	0.00E+00	7.88E-07	5.37E-07	3.56E-07	0.00E+00	8.93E-07	9.86E-08	6.07E-08	0.00E+00	1.59E-07	5.51E-08	5.24E-08	0.00E+00	1.07E-07
2080	481198.51	3768555.33	5.421E-07	2.44E-07	0.00E+00	7.87E-07	5.36E-07	3.56E-07	0.00E+00	8.92E-07	9.85E-08	6.06E-08	0.00E+00	1.59E-07	5.50E-08	5.23E-08	0.00E+00	1.07E-07
2081	481115.69	3768537.55	4.165E-07	1.88E-07	0.00E+00	6.04E-07	4.12E-07	2.73E-07	0.00E+00	6.86E-07	7.57E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.24E-08
2082	481101.47	3768527.45	3.931E-07	1.77E-07	0.00E+00	5.70E-07	3.89E-07	2.58E-07	0.00E+00	6.47E-07	7.14E-08	4.39E-08	0.00E+00	1.15E-07	3.99E-08	3.79E-08	0.00E+00	7.78E-08
2083	481084.6	3768509.05	3.579E-07	1.61E-07	0.00E+00	5.19E-07	3.54E-07	2.35E-07	0.00E+00	5.89E-07	6.50E-08	4.00E-08	0.00E+00	1.05E-07	3.63E-08	3.45E-08	0.00E+00	7.08E-08
2084	481079.29	3768492.44	3.376E-07	1.52E-07	0.00E+00	4.90E-07	3.34E-07	2.22E-07	0.00E+00	5.56E-07	6.13E-08	3.77E-08	0.00E+00	9.91E-08	3.42E-08	3.26E-08	0.00E+00	6.68E-08
2085	481150.12	3768550.9	4.668E-07	2.11E-07	0.00E+00	6.77E-07	4.62E-07	3.06E-07	0.00E+00	7.68E-07	8.48E-08	5.22E-08	0.00E+00	1.37E-07	4.74E-08	4.50E-08	0.00E+00	9.24E-08
2086	481159.22	3768553.67	4.773E-07	2.15E-07	0.00E+00	6.93E-07	4.72E-07	3.13E-07	0.00E+00	7.86E-07	8.67E-08	5.33E-08	0.00E+00	1.40E-07	4.84E-08	4.60E-08	0.00E+00	9.45E-08
2087	481168.33	3768556.44	4.849E-07	2.19E-07	0.00E+00	7.04E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.81E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.60E-08
2088	481177.43	3768559.2	4.891E-07	2.21E-07	0.00E+00	7.10E-07	4.84E-07	3.21E-07	0.00E+00	8.05E-07	8.89E-08	5.47E-08	0.00E+00	1.44E-07	4.96E-08	4.72E-08	0.00E+00	9.68E-08
2089	481186.54	3768561.97	4.896E-07	2.21E-07	0.00E+00	7.10E-07	4.84E-07	3.21E-07	0.00E+00	8.06E-07	8.90E-08	5.47E-08	0.00E+00	1.44E-07	4.97E-08	4.72E-08	0.00E+00	9.69E-08
2090	481195.64	3768564.74	4.865E-07	2.19E-07	0.00E+00	7.06E-07	4.81E-07	3.19E-07	0.00E+00	8.01E-07	8.84E-08	5.44E-08	0.00E+00	1.43E-07	4.93E-08	4.69E-08	0.00E+00	9.63E-08
2091	481113.17	3768547.2	3.981E-07	1.80E-07	0.00E+00	5.78E-07	3.94E-07	2.61E-07	0.00E+00	6.55E-07	7.23E-08	4.45E-08	0.00E+00	1.17E-07	4.04E-08	3.84E-08	0.00E+00	7.88E-08
2092	481099.63	3768537.59	3.821E-07	1.72E-07	0.00E+00	5.54E-07	3.78E-07	2.51E-07	0.00E+00	6.29E-07	6.94E-08	4.27E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.56E-08
2093	481086.08	3768527.97	3.607E-07	1.63E-07	0.00E+00	5.23E-07	3.57E-07	2.37E-07	0.00E+00	5.94E-07	6.55E-08	4.03E-08	0.00E+00	1.06E-07	3.66E-08	3.48E-08	0.00E+00	7.14E-08
2094	481076.78	3768515.26	3.439E-07	1.55E-07	0.00E+00	4.99E-07	3.40E-07	2.26E-07	0.00E+00	5.66E-07	6.25E-08	3.84E-08	0.00E+00	1.01E-07	3.49E-08	3.32E-08	0.00E+00	6.81E-08
2095	481071.72	3768499.44	3.281E-07	1.48E-07	0.00E+00	4.76E-07	3.25E-07	2.15E-07	0.00E+00	5.40E-07	5.96E-08	3.67E-08	0.00E+00	9.63E-08	3.33E-08	3.17E-08	0.00E+00	6.49E-08
2096	481147.26	3768560.31	4.337E-07	1.96E-07	0.00E+00	6.29E-07	4.29E-07	2.85E-07	0.00E+00	7.14E-07	7.88E-08	4.85E-08	0.00E+00	1.27E-07	4.40E-08	4.18E-08	0.00E+00	8.58E-08
2097	481156.36	3768563.08	4.402E-07	1.99E-07	0.00E+00	6.39E-07	4.36E-07	2.89E-07	0.00E+00	7.24E-07	8.00E-08	4.92E-08	0.00E+00	1.29E-07	4.47E-08	4.25E-08	0.00E+00	8.71E-08
2098	481165.47	3768565.85	4.441E-07	2.00E-07	0.00E+00	6.44E-07	4.39E-07	2.91E-07	0.00E+00	7.31E-07	8.07E-08	4.96E-08	0.00E+00	1.30E-07	4.50E-08	4.28E-08	0.00E+00	8.79E-08
2099	481174.57	3768568.62	4.45E-07	2.01E-07	0.00E+00	6.46E-07	4.40E-07	2.92E-07	0.00E+00	7.32E-07	8.09E-08	4.97E-08	0.00E+00	1.31E-07	4.51E-08	4.29E-08	0.00E+00	8.81E-08
2100	481183.68	3768571.39	4.43E-07	2.00E-07	0.00E+00	6.43E-07	4.38E-07	2.91E-07	0.00E+00	7.29E-07	8.05E-08	4.95E-08	0.00E+00	1.30E-07	4.49E-08	4.27E-08	0.00E+00	8.77E-08
2101	481192.78	3768574.16	4.383E-07	1.98E-07	0.00E+00	6.36E-07	4.34E-07	2.88E-07	0.00E+00	7.21E-07	7.96E-08	4.90E-08	0.00E+00	1.29E-07	4.45E-08	4.23E-08	0.00E+00	8.67E-08
2102	481109.46	3768556.01	3.781E-07	1.71E-07	0.00E+00	5.49E-07	3.74E-07	2.48E-07	0.00E+00	6.22E-07	6.87E-08	4.23E-08	0.00E+00	1.11E-07	3.84E-08	3.65E-08	0.00E+00	7.48E-08
2103	481101.84	3768550.6	3.726E-07	1.68E-07	0.00E+00	5.41E-07	3.69E-07	2.45E-07	0.00E+00	6.13E-07	6.77E-08	4.16E-08	0.00E+00	1.09E-07	3.78E-08	3.59E-08	0.00E+00	7.37E-08
2104	481094.22	3768545.2	3.651E-07	1.65E-07	0.00E+00	5.30E-07	3.61E-07	2.40E-07	0.00E+00	6.01E-07	6.63E-08	4.08E-08	0.00E+00	1.07E-07	3.70E-08	3.52E-08	0.00E+00	7.23E-08
2105	481086.6	3768539.79	3.558E-07	1.60E-07	0.00E+00	5.16E-07	3.52E-07	2.33E-07	0.00E+00	5.86E-07	6.47E-08	3.98E-08	0.00E+00	1.04E-07	3.61E-08	3.43E-08	0.00E+00	7.04E-08
2106	481078.99	3768534.38	3.453E-07	1.56E-07	0.00E+00	5.01E-07	3.42E-07	2.27E-07	0.00E+00	5.68E-07	6.27E-08	3.86E-08	0.00E+00	1.01E-07	3.50E-08	3.33E-08	0.00E+00	6.83E-08
2107	481068.52	3768520.08	3.295E-07	1.49E-07	0.00E+00	4.78E-07	3.26E-07	2.16E-07	0.00E+00	5.42E-07	5.99E-08	3.68E-08	0.00E+00	9.67E-08	3.34E-08	3.18E-08	0.00E+00	6.52E-08
2108	481065.68	3768511.18	3.229E-07	1.46E-07	0.00E+00	4.68E-07	3.19E-07	2.12E-07	0.00E+00	5.31E-07	5.87E-08	3.61E-08	0.00E+00	9.48E-08	3.28E-08	3.11E-08	0.00E+00	6.39E-08
2109	481062.83	3768502.28	3.141E-07	1.42E-07	0.00E+00	4.56E-07	3.11E-07	2.06E-07	0.00E+00	5.17E-07	5.71E-08	3.51E-08	0.00E+00	9.22E-08	3.19E-08	3.03E-08	0.00E+00	6.22E-08
2110	481059.99	3768493.38	3.035E-07	1.37E-07	0.00E+00	4.40E-07	3.00E-07	1.99E-07	0.00E+00	5.00E-07	5.52E-08	3.39E-08	0.00E+00	8.91E-08	3.08E-08	2.93E-08	0.00E+00	6.01E-08
2111	481057.14	3768484.48	2.916E-07	1.32E-07	0.00E+00	4.23E-07	2.89E-07	1.91E-07	0.00E+00	4.80E-07	5.30E-08	3.26E-08	0.00E+00	8.56E-08	2.96E-08	2.81E-08	0.00E+00	5.77E-08
2112	481117.08	3768561.42	3.812E-07	1.72E-07	0.00E+00	5.53E-07	3.77E-07	2.50E-07	0.00E+00	6.27E-07	6.93E-08	4.26E-08	0.00E+00	1.12E-07	3.87E-08	3.68E-08	0.00E+00	7.54E-08
2113	481144.39	3768569.72	4.025E-07	1.82E-07	0.00E+00	5.84E-07	3.98E-07	2.64E-07	0.00E+00	6.62E-07	7.31E-08	4.50E-08	0.00E+00	1.18E-07	4.08E-08	3.88E-08	0.00E+00	7.97E-08
2114	481153.5	3768572.49	4.06E-07	1.83E-07	0.00E+00	5.89E-07	4.02E-07	2.66E-07	0.00E+00	6.68E-07	7.38E-08	4.54E-08	0.00E+00	1.19E-07	4.12E-08	3.92E-08	0.00E+00	8.03E-08
2115	481162.6	3768575.26	4.071E-07	1.84E-07	0.00E+00	5.91E-07	4.03E-07	2.67E-07	0.00E+00	6.70E-07	7.40E-08	4.55E-08	0.00E+00	1.19E-07	4.13E-08	3.93E-08	0.00E+00	8.06E-08
2116	481171.71	3768578.03	4.057E-07	1.83E-07	0.00E+00	5.89E-07	4.01E-07	2.66E-07	0.00E+00	6.68E-07	7.37E-08	4.53E-08	0.00E+00	1.19E-07	4.12E-08	3.91E-08	0.00E+00	8.03E-08
2117	481180.81	3768580.8	4.019E-07	1.81E-07	0.00E+00	5.83E-07	3.98E-07	2.64E-07	0.00E+00	6.61E-07	7.30E-08	4.49E-08	0.00E+00	1.18E-07	4.08E-08	3.88E-08	0.00E+00	7.95E-08
2118	481189.92	3768583.57	3.96E-07	1.79E-07	0.00E+00	5.75E-07	3.92E-07	2.60E-07	0.00E+00	6.52E-07	7.20E-08	4.43E-08	0.00E+00	1.16E-07	4.02E-08	3.82E-08	0.00E+00	7.84E-08
2119	481106.96	3768565.68	3.586E-07	1.62E-07	0.00E+00	5.20E-07	3.55E-07	2.35E-07	0.00E+00	5.90E-07	6.52E-08	4.01E-08	0.00E+00	1.05E-07	3.64E-08	3.46E-08	0.00E+00	7.10E-08
2120	481092.45	3768555.38	3.516E-07	1.59E-07	0.00E+00	5.10E-07	3.48E-07	2.31E-07	0.00E+00	5.79E-07	6.39E-08	3.93E-08	0.00E+00	1.03E-07	3.57E-08	3.39E-08	0.00E+00	6.96E-08
2121	481077.94	3768545.08	3.377E-07	1.52E-07	0.00E+00	4.90E-07	3.34E-07	2.22E-07	0.00E+00	5.56E-07	6.14E-08	3.77E-08	0.00E+00	9.91E-08	3.43E-08	3.26E-08	0.00E+00	6.68E-08
2122	481060.72	3768526.31	3.168E-07	1.43E-07	0.00E+00	4.60E-07	3.14E-07	2.08E-07	0.00E+00	5.21E-07	5.76E-08	3.54E-08	0.00E+00	9.30E-08	3.21E-08	3.06E-08	0.00E+00	6.27E-08
2123	481055.3	3768509.36	3.051E-07	1.38E-07	0.00E+00	4.43E-07	3.02E-07	2.00E-07	0.00E+00	5.02E-07	5.54E-08	3.41E-08	0.00E+00	8.95E-08	3.09E-08	2.94E-08	0.00E+00	6.04E-08
2124	481049.88	3768492.41	2.87E-07	1.29E-07	0.00E+00	4.16E-07	2.84E-07	1.88E-07	0.00E+00	4.72E-07	5.21E-08	3.21E-08	0.00E+00	8.42E-08	2.91E-08	2.77E-08	0.00E+00	5.68E-08
2125	481123.32	3768573.6	3.653E-07	1.65E-07	0.00E+00	5.30E-07	3.61E-07	2.40E-07	0.00E+00	6.01E-07	6.64E-08	4.08E-08	0.00E+00	1.07E-07	3.71E-08	3.52E-08	0.00E+00	7.23E-08
2126	481141.53	3768579.14	3.732E-07	1.68E-07	0.00E+00	5.41E-07	3.69E-07	2.45E-07	0.00E+00	6.14E-07	6.78E-08	4.17E-08	0.00E+00	1.10E-07	3.79E-08	3.60E-08	0.00E+00	7.39E-08
2127	481150.64	3768581.91	3.745E-07	1.69E-07	0.00E+00	5.43E-07	3.71E-07	2.46E-07	0.00E+00	6.16E-07	6.80E-08	4.19E-08	0.00E+00	1.10E-07	3.80E-08	3.61E-08	0.00E+00	7.41E-08
2128	481159.74	3768584.68	3.735E-07	1.68E-07	0.00E+00	5.42E-07	3.70E-07	2.45E-07	0.00E+00	6.15E-07	6.79E-08	4.17E-08	0.00E+00	1.10E-07	3.79E-08	3.60E-08	0.00E+00	7.39E-08

2151	481062.78	3768557.21	3.075E-07	1.39E-07	0.00E+00	4.46E-07	3.04E-07	2.02E-07	0.00E+00	5.06E-07	5.59E-08	3.44E-08	0.00E+00	9.02E-08	3.12E-08	2.97E-08	0.00E+00	6.08E-08
2152	481055.16	3768551.81	3.01E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.95E-07	5.47E-08	3.36E-08	0.00E+00	8.83E-08	3.05E-08	2.90E-08	0.00E+00	5.96E-08
2153	481044.7	3768537.5	2.924E-07	1.32E-07	0.00E+00	4.24E-07	2.89E-07	1.92E-07	0.00E+00	4.81E-07	5.31E-08	3.27E-08	0.00E+00	8.58E-08	2.97E-08	2.82E-08	0.00E+00	5.79E-08
2154	481041.85	3768528.6	2.893E-07	1.30E-07	0.00E+00	4.20E-07	2.86E-07	1.90E-07	0.00E+00	4.76E-07	5.26E-08	3.23E-08	0.00E+00	8.49E-08	2.93E-08	2.79E-08	0.00E+00	5.73E-08
2155	481039.01	3768519.7	2.844E-07	1.28E-07	0.00E+00	4.13E-07	2.81E-07	1.87E-07	0.00E+00	4.68E-07	5.17E-08	3.18E-08	0.00E+00	8.35E-08	2.88E-08	2.74E-08	0.00E+00	5.63E-08
2156	481036.16	3768510.81	2.779E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.05E-08	3.11E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
2157	481033.32	3768501.91	2.699E-07	1.22E-07	0.00E+00	3.92E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.90E-08	3.02E-08	0.00E+00	7.92E-08	2.74E-08	2.60E-08	0.00E+00	5.34E-08
2158	481030.47	3768493.01	2.607E-07	1.18E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.29E-07	4.74E-08	2.91E-08	0.00E+00	7.65E-08	2.64E-08	2.52E-08	0.00E+00	5.16E-08
2159	481027.63	3768484.11	2.507E-07	1.13E-07	0.00E+00	3.64E-07	2.48E-07	1.64E-07	0.00E+00	4.13E-07	4.55E-08	2.80E-08	0.00E+00	7.36E-08	2.54E-08	2.42E-08	0.00E+00	4.96E-08
2160	481108.49	3768589.66	3.172E-07	1.43E-07	0.00E+00	4.60E-07	3.14E-07	2.08E-07	0.00E+00	5.22E-07	5.76E-08	3.55E-08	0.00E+00	9.31E-08	3.22E-08	3.06E-08	0.00E+00	6.28E-08
2161	481117.6	3768592.43	3.193E-07	1.44E-07	0.00E+00	4.63E-07	3.16E-07	2.10E-07	0.00E+00	5.26E-07	5.80E-08	3.57E-08	0.00E+00	9.37E-08	3.24E-08	3.08E-08	0.00E+00	6.32E-08
2162	481144.91	3768600.73	3.182E-07	1.44E-07	0.00E+00	4.62E-07	3.15E-07	2.09E-07	0.00E+00	5.24E-07	5.78E-08	3.56E-08	0.00E+00	9.34E-08	3.23E-08	3.07E-08	0.00E+00	6.30E-08
2163	481154.02	3768603.5	3.149E-07	1.42E-07	0.00E+00	4.57E-07	3.12E-07	2.07E-07	0.00E+00	5.18E-07	5.72E-08	3.52E-08	0.00E+00	9.24E-08	3.19E-08	3.04E-08	0.00E+00	6.23E-08
2164	481163.12	3768606.27	3.1E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.03E-07	0.00E+00	5.10E-07	5.63E-08	3.47E-08	0.00E+00	9.10E-08	3.14E-08	2.99E-08	0.00E+00	6.14E-08
2165	481172.23	3768609.04	3.039E-07	1.37E-07	0.00E+00	4.41E-07	3.01E-07	1.99E-07	0.00E+00	5.00E-07	5.52E-08	3.40E-08	0.00E+00	8.92E-08	3.08E-08	2.93E-08	0.00E+00	6.01E-08
2166	481181.33	3768611.81	2.965E-07	1.34E-07	0.00E+00	4.30E-07	2.93E-07	1.95E-07	0.00E+00	4.88E-07	5.39E-08	3.31E-08	0.00E+00	8.70E-08	3.01E-08	2.86E-08	0.00E+00	5.87E-08
2167	481098.29	3768593.86	3.011E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.96E-07	5.47E-08	3.37E-08	0.00E+00	8.84E-08	3.05E-08	2.90E-08	0.00E+00	5.96E-08
2168	481083.62	3768583.45	3.041E-07	1.37E-07	0.00E+00	4.41E-07	3.01E-07	2.00E-07	0.00E+00	5.00E-07	5.52E-08	3.40E-08	0.00E+00	8.92E-08	3.08E-08	2.93E-08	0.00E+00	6.02E-08
2169	481076.28	3768578.24	3.033E-07	1.37E-07	0.00E+00	4.40E-07	3.00E-07	1.99E-07	0.00E+00	4.99E-07	5.51E-08	3.39E-08	0.00E+00	8.90E-08	3.08E-08	2.93E-08	0.00E+00	6.00E-08
2170	481068.95	3768573.04	3.012E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.96E-07	5.47E-08	3.37E-08	0.00E+00	8.84E-08	3.06E-08	2.91E-08	0.00E+00	5.96E-08
2171	481061.61	3768567.83	2.978E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2172	481054.28	3768562.62	2.933E-07	1.32E-07	0.00E+00	4.26E-07	2.90E-07	1.92E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.61E-08	2.98E-08	2.83E-08	0.00E+00	5.80E-08
2173	481036.86	3768543.64	2.812E-07	1.27E-07	0.00E+00	4.08E-07	2.78E-07	1.85E-07	0.00E+00	4.63E-07	5.11E-08	3.14E-08	0.00E+00	8.25E-08	2.85E-08	2.71E-08	0.00E+00	5.57E-08
2174	481034.12	3768535.07	2.791E-07	1.26E-07	0.00E+00	4.05E-07	2.76E-07	1.83E-07	0.00E+00	4.59E-07	5.07E-08	3.12E-08	0.00E+00	8.19E-08	2.83E-08	2.69E-08	0.00E+00	5.52E-08
2175	481028.64	3768517.93	2.704E-07	1.22E-07	0.00E+00	3.92E-07	2.68E-07	1.77E-07	0.00E+00	4.45E-07	4.91E-08	3.02E-08	0.00E+00	7.94E-08	2.74E-08	2.61E-08	0.00E+00	5.35E-08
2176	481025.91	3768509.36	2.64E-07	1.19E-07	0.00E+00	3.83E-07	2.61E-07	1.73E-07	0.00E+00	4.35E-07	4.80E-08	2.95E-08	0.00E+00	7.75E-08	2.68E-08	2.55E-08	0.00E+00	5.23E-08
2177	481020.43	3768492.23	2.48E-07	1.12E-07	0.00E+00	3.60E-07	2.45E-07	1.63E-07	0.00E+00	4.08E-07	4.51E-08	2.77E-08	0.00E+00	7.28E-08	2.52E-08	2.39E-08	0.00E+00	4.91E-08
2178	481105.63	3768599.07	2.974E-07	1.34E-07	0.00E+00	4.32E-07	2.94E-07	1.95E-07	0.00E+00	4.89E-07	5.40E-08	3.32E-08	0.00E+00	8.73E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2179	481114.73	3768601.84	2.981E-07	1.34E-07	0.00E+00	4.33E-07	2.95E-07	1.96E-07	0.00E+00	4.91E-07	5.42E-08	3.33E-08	0.00E+00	8.75E-08	3.02E-08	2.88E-08	0.00E+00	5.90E-08
2180	481123.84	3768604.61	2.977E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2181	481142.05	3768610.15	2.934E-07	1.32E-07	0.00E+00	4.26E-07	2.90E-07	1.93E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.61E-08	2.98E-08	2.83E-08	0.00E+00	5.81E-08
2182	481151.15	3768612.91	2.893E-07	1.30E-07	0.00E+00	4.20E-07	2.86E-07	1.90E-07	0.00E+00	4.76E-07	5.26E-08	3.23E-08	0.00E+00	8.49E-08	2.93E-08	2.79E-08	0.00E+00	5.73E-08
2183	481160.26	3768615.68	2.84E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.67E-07	5.16E-08	3.17E-08	0.00E+00	8.33E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
2184	481169.36	3768618.45	2.775E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.04E-08	3.10E-08	0.00E+00	8.14E-08	2.82E-08	2.68E-08	0.00E+00	5.49E-08
2185	481178.47	3768621.22	2.7E-07	1.22E-07	0.00E+00	3.92E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.91E-08	3.02E-08	0.00E+00	7.92E-08	2.74E-08	2.60E-08	0.00E+00	5.34E-08
2186	481095.66	3768603.44	2.829E-07	1.28E-07	0.00E+00	4.11E-07	2.80E-07	1.86E-07	0.00E+00	4.66E-07	5.14E-08	3.16E-08	0.00E+00	8.30E-08	2.87E-08	2.73E-08	0.00E+00	5.60E-08
2187	481081.43	3768593.34	2.882E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.74E-07	5.24E-08	3.22E-08	0.00E+00	8.46E-08	2.92E-08	2.78E-08	0.00E+00	5.70E-08
2188	481067.21	3768583.25	2.884E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.75E-07	5.24E-08	3.22E-08	0.00E+00	8.46E-08	2.93E-08	2.78E-08	0.00E+00	5.71E-08
2189	481052.99	3768573.16	2.839E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.67E-07	5.16E-08	3.17E-08	0.00E+00	8.33E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
2190	481038.77	3768563.06	2.758E-07	1.24E-07	0.00E+00	4.00E-07	2.73E-07	1.81E-07	0.00E+00	4.54E-07	5.01E-08	3.08E-08	0.00E+00	8.09E-08	2.80E-08	2.66E-08	0.00E+00	5.46E-08
2191	481029.01	3768549.71	2.706E-07	1.22E-07	0.00E+00	3.93E-07	2.68E-07	1.78E-07	0.00E+00	4.45E-07	4.92E-08	3.02E-08	0.00E+00	7.94E-08	2.74E-08	2.61E-08	0.00E+00	5.35E-08
2192	481023.7	3768533.1	2.666E-07	1.20E-07	0.00E+00	3.87E-07	2.64E-07	1.75E-07	0.00E+00	4.39E-07	4.84E-08	2.98E-08	0.00E+00	7.82E-08	2.70E-08	2.57E-08	0.00E+00	5.28E-08
2193	481018.39	3768516.49	2.575E-07	1.16E-07	0.00E+00	3.74E-07	2.55E-07	1.69E-07	0.00E+00	4.24E-07	4.68E-08	2.88E-08	0.00E+00	7.56E-08	2.61E-08	2.48E-08	0.00E+00	5.10E-08
2194	481013.07	3768499.88	2.442E-07	1.10E-07	0.00E+00	3.54E-07	2.42E-07	1.60E-07	0.00E+00	4.02E-07	4.44E-08	2.73E-08	0.00E+00	7.17E-08	2.48E-08	2.36E-08	0.00E+00	4.83E-08
2195	481007.76	3768483.27	2.278E-07	1.03E-07	0.00E+00	3.31E-07	2.25E-07	1.49E-07	0.00E+00	3.75E-07	4.14E-08	2.55E-08	0.00E+00	6.68E-08	2.31E-08	2.20E-08	0.00E+00	4.51E-08
2196	481111.87	3768611.25	2.78E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.58E-07	5.05E-08	3.11E-08	0.00E+00	8.16E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
2197	481120.98	3768614.02	2.766E-07	1.25E-07	0.00E+00	4.01E-07	2.74E-07	1.81E-07	0.00E+00	4.55E-07	5.03E-08	3.09E-08	0.00E+00	8.12E-08	2.81E-08	2.67E-08	0.00E+00	5.47E-08
2198	481148.29	3768622.33	2.66E-07	1.20E-07	0.00E+00	3.86E-07	2.63E-07	1.75E-07	0.00E+00	4.38E-07	4.83E-08	2.97E-08	0.00E+00	7.80E-08	2.70E-08	2.57E-08	0.00E+00	5.26E-08
2199	481157.4	3768625.1	2.603E-07	1.17E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.28E-07	4.73E-08	2.91E-08	0.00E+00	7.64E-08	2.64E-08	2.51E-08	0.00E+00	5.15E-08
2200	481166.5	3768627.87	2.536E-07	1.14E-07	0.00E+00	3.68E-07	2.51E-07	1.66E-07	0.00E+00	4.17E-07	4.61E-08	2.83E-08	0.00E+00	7.44E-08	2.57E-08	2.45E-08	0.00E+00	5.02E-08
2201	481175.61	3768630.63	2.462E-07	1.11E-07	0.00E+00	3.57E-07	2.44E-07	1.62E-07	0.00E+00	4.05E-07	4.47E-08	2.75E-08	0.00E+00	7.22E-08	2.50E-08	2.37E-08	0.00E+00	4.87E-08
2202	481092.29	3768612.49	2.66E-07	1.20E-07	0.00E+00	3.86E-07	2.63E-07	1.75E-07	0.00E+00	4.38E-07	4.83E-08	2.97E-08	0.00E+00	7.80E-08	2.70E-08	2.57E-08	0.00E+00	5.26E-08
2203	481084.67	3768607.08	2.701E-07	1.22E-07	0.00E+00	3.92E-07	2.67E-07	1.77E-07	0.00E+00	4.45E-07	4.91E-08	3.02E-08	0.00E+00	7.93E-08	2.74E-08	2.61E-08	0.00E+00	5.35E-08
2204	481077.05	3768601.68	2.73E-07	1.23E-07	0.00E+00	3.96E-07	2.70E-07	1.79E-07	0.00E+00	4.49E-07	4.96E-08	3.05E-08	0.00E+00	8.01E-08	2.77E-08	2.63E-08	0.00E+00	5.40E-08
2205	481069.43	3768596.27	2.746E-07	1.24E-07	0.00E+00	3.98E-07	2.72E-07	1.80E-07	0.00E+00	4.52E-07	4.99E-08	3.07E-08	0.00E+00	8.06E-08	2.79E-08	2.65E-08	0.00E+00	5.44E-08
2206	481061.81	3768590.86	2.75E-07	1.24E-07	0.00E+00	3.99E-07	2.72E-07	1.80E-07	0.00E+00	4.53E-07	5.00E-08	3.07E-08	0.00E+00	8.07E-08	2.79E-08	2.65E-08	0.00E+00	5.44E-08
2207	481054.19	3768585.45	2.74E-07	1.24E-07	0.00E+00	3.98E-07	2.71E-07	1.80E-07	0.00E+00	4.51E-07	4.98E-08	3.06E-08	0.00E+00	8.04E-08	2.78E-08	2.64E-08	0.00E+00	5.42E-08
2208	481046.58	3768580.05	2.719E-07	1.23E-07	0.00E+00	3.94E-07	2.69E-07	1.78E-07	0.00E+00	4.47E-07	4.94E-08	3.04E-08	0.00E+00	7.98E-08	2.76E-08	2.62E-08	0.00E+00	5.38E-08
2209	481038.96	3768574.64	2.688E-07	1.21E-07	0.00E+00	3.90E-07	2.66E-07	1.76E-07	0.00E+00	4.42E-07	4.88E-08	3.00E-08	0.00E+00	7.89E-08	2.73E-08	2.59E-08	0.00E+00	5.32E-08
2210	481031.34	3768569.23	2.648E-07	1.19E-07	0.00E+00	3.84E-07	2.62E-07	1.74E-07	0.00E+00	4.36E-07	4.81E-08	2.96E-08	0.00E+00	7.77E-08	2.69E-08	2.55E-08	0.00E+00	5.24E-08
2211	481020.88	3768554.93	2.604E-07	1.17E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.29E-07	4.73E-08	2.91E-08	0.00E+00	7.64E-08	2.64E-08	2.51E-08	0.00E+00	5.15E-08
2212	481018.03	3768546.03	2.594E-07	1.17E-07	0.00E+00	3.76E-07	2.57E-07	1.70E-07	0.00E+00	4.27E-07	4.71E-08	2.90E-08	0.00E+00	7.61E-08	2.63E-08	2.50E-08	0.00E+00	5.13E-08
2213	481015.19	3768537.13	2.57E-07	1.16E-07	0.00E+00	3.73E-07	2.54E-07	1.69E-07	0.00E+00	4.23E-07	4.67E-08	2.87E-08	0.00E+00	7.54E-08	2.61E-08	2.48E-08	0.00E+00	5.09E-08
2214	481012.34	3768528.23	2.532E-07	1.14E-07	0.00E+00	3.67E-07	2.51E-07	1.66E-07	0.00E+00	4.17E-07	4.60E-08	2.83E-08	0.00E+00	7.43E-08	2.57E-08	2.44E-08	0.00E+00	5.01E-08
2215	481009.5	3768519.33	2.482E-07	1.12E-07	0.00E+00	3.60E-07	2.46E-07	1.63E-07	0.00E+00	4.08E-07	4.51E-08	2.77E-08	0.00E+00	7.28E-08	2.52E-08	2.39E-08	0.00E+00	4.91E-08
2216	481006.65	3768510.43	2.421E-07	1.09E-07	0.00E+00	3.51E-07	2.40E-07	1.59E-07	0.00E+00	3.98E-07	4.40E-08	2.71E-08	0.00E+00	7.11E-08	2.46E-08	2.34E-08	0.00E+00	4.79E-08
2217	481003.81	3768501.54	2.351E-07	1.06E-07	0.00E+00	3.41E-07	2.33E-07	1.54E-07	0.00E+00	3.87E-07	4.27E-08	2.63E-08	0.00E+00	6.90E-08	2.38E-08	2.27E-08	0.00E+00	4.65E-08
2218	481000.96	3768492.64	2.271E-07	1.02E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.74E-07	4.13E-08	2.54E-08	0.00E+00	6.67E-08	2.30E-08	2.19E-08	0.00E+00	4.50E-08
2219	480998.12	3768483.74	2.185E-07	9.85E-08	0.00E+00	3.17E-07	2.16E-07	1.43E-07	0.00E+00	3.60E-07	3.97E-08	2.44E-08	0.00E+00	6.41E-08	2.22E-08	2.11E-08	0.00E+00	4.32E-08
2220	481099.9	3768617.9	2.605E-07	1.17E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.29E-07	4.73E-08	2.91E-08	0.00E+00	7.64E-08	2.64E-08	2.51E-08	0.00E+00	5.16E-08
2221	481109.01	3768620.67	2.592E-07	1.17E-07	0.00E+00	3.76E-07	2.56E-07	1.70E-07	0.00E+00	4.27E-07	4.71E-08	2.90E-08	0.00E+00	7.61E-08	2.63E-08	2.50E-08	0.00E+00	5.13E-08
2222	481118.11	3768623.43	2.57E-07	1.16E-07	0.00E+00	3.73E-07	2.54E-07	1.69E-07	0.00E+00	4.23E-07	4.67E-08	2.87E-08	0.00E+00	7.54E-08	2.61E-08	2.48E-08	0.00E+00	5.09E-08
2223	481145.43	3768631.74	2.447E-07	1.10E-07	0.00E+00	3.55E-07	2.42E-07	1.61E-07	0.00E+00	4.03E-07	4.45E-08	2.73E-08	0.00E+00	7.18E-08	2.48E-08	2.36E-08	0.00E+00	4.84E-08
2224	481154.53	3768634.51	2.388E-07	1.08E-07	0.00E+00	3.46E-07	2.36E-07	1.57E-07	0.00E+00	3.93E-07	4.34E-08	2.67E-08	0.00E+00	7.01E-08	2.42E-08	2.30E-08	0.00E+00	4.73E-08
2225	481163.64	3768637.28	2.321E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.52E-07	0.00E+00	3.82E-07	4.22E-08	2.59E-08	0.00E+00	6.81E-08	2.35E-08	2.24E-08	0.00E+00	4.59E-08
2226	481172.74	3768640.05	2.247E-07	1.01E-07	0.00E+00	3.26E-07	2.22E-07	1.47E-07	0.00E+00	3.70E-07	4.08E-08	2.51E-08	0.00E+00	6.59E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
2227	481089.65	3768622.07	2.493E-07	1.12E-07	0.00E+00	3.62E-07	2.47E-07	1.64E-07	0.00E+00	4.10E-07	4.53E-08	2.79E-08	0.00E+00	7.32E-08	2.53E-08	2.41E-08	0.00E+00	4.93E-08
2228	481082.27	3768616.82	2.541E-07	1.15E-07	0.00E+00	3.69E-07	2.51E-07	1.67E-07	0.00E+00	4.18E-07	4.62E-08	2.84E-08	0.00E+00	7.46E-08	2.58E-08	2.45E-08	0.00E+00	5.03E-08
2229	481074.88	3768611.58	2.577E-07	1.16E-07	0.00E+00	3.74E-07	2.55E-07	1.69E-07	0.00E+00	4.24E-07	4.68E-08	2.88E-08	0.00E+00	7.56E-08	2.61E-08	2.49E-08	0.00E+00	5.10E-08
2230	481067.49	3768606.34	2.603E-07	1.17E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.28E-07	4.73E-08	2.91E-08	0.00E+00	7.64E-08	2.64E-08	2.51E-08	0.00E+00	5.15E-08
2231	481060.1	3768601.09	2.618E-07	1.18E-07	0.00E+00	3.80E-07	2.59E-07	1.72E-07	0.00E+00	4.31E-07	4.76E-08	2.93E-08	0.00E+00	7.68E-08	2.66E-08	2.53E-08	0.00E+00	5.18E-08
2232	481052.72	3768595.85	2.621E-07	1.18E-07	0.00E+00	3.80E-07	2.59E-07	1.72E-07	0.00E+00	4.31E-07	4.76E-08	2.93E-08	0.00E+00	7.69E-08	2.66E-08	2.53E-08	0.00E+00	5.19E-08
2233	481045.33	3768590.61	2.614E-07	1.18E-07	0.00E+00	3.79E-07	2.59E-07	1.72E-07	0.00E+00	4.30E-07	4.75E-08	2.92E-08	0.00E+00	7.67E-08	2.65E-08	2.52E-08	0.00E+00	5.17E-08
2234	481037.94	3768585.36	2.598E-07	1.17E-07	0.00E+00	3.77E-07	2.57E-07	1.70E-07	0.00E+00	4.28E-07	4.72E-08	2.90E-08	0.00E+00	7.62E-08	2.64E-08	2.51E-08	0.00E+00	5.14E-08
2235	481030.55	3768580.12	2.572E-07	1.16E-07	0.00E+00	3.73E-07	2.55E-07	1.69E-07	0.00E+00	4.23E-07	4.67E-08	2.87E-08	0.00E+00	7.55E-08	2.61E-08	2.48E-08	0.00E+00	5.09E-08
2236	481013.02	3768561	2.508E-07	1.13E-07	0.00E+00	3.64E-07	2.48E-07	1.65E-07	0.00E+00	4.13E-07	4.56E-08	2.80E-08	0.00E+00	7.36E-08	2.54E-08	2.42E-08	0.00E+00	4.96E-08
2237	481010.26	3768552.38	2.504E-07	1.13E-07	0.00E+00	3.63E-07	2.48E-07	1.64E-07	0.00E+00	4.12E-07	4.55E-08	2.80E-08	0.00E+00	7.35E-08	2.54E-08	2.42E-08	0.00E+00	4.95E-08
2238	481004.74	3768535.12	2.458E-07	1.11E-07	0.00E+00	3.57E-07	2.43E-07	1.61E-07	0.00E+00	4.05E-07	4.47E-08	2.75E-08	0.00E+00	7.21E-08	2.49E-08	2.37E-08	0.00E+00	4.86E-08
2239	480999.23	3768517.86	2.369E-07	1.07E-07	0.00E+00	3.44E-07	2.34E-07	1.55E-07	0.00E+00	3.90E-07	4.30E-08	2.65E-08	0.00E+00	6.95E-08	2.40E-08	2.29E-08	0.00E+00	4.69E-08
2240	480993.71	3768500.6	2.244E-07	1.01E-07	0.00E+00	3.26E-07	2.22E-07	1.47E-07	0.00E+00	3.69E-07	4.08E-08	2.51E-08	0.00E+00	6.59E-08	2.28E-08	2.17E-08	0.00E+00	4.44E-08
2241	480988.19	3768483.34	2.09E-07	9.43E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.80E-08	2.34E-08	0.00E+00	6.13E-08	2.12E-08	2.02E-08	0.00E+00	4.14E-08
2242	481097.04	3768627.31	2.436E-07	1.10E-07	0.00E+00	3.53E-07	2.41E-07	1.60E-07	0.00E+00	4.01E-07	4.43E-08	2.72E-08	0.00E+00	7.15E-08	2.47E-08	2.35E-08	0.00E+00	4.82E-08
2243	481106.15	3768630.08	2.416E-07	1.09E-07	0.00E+00	3.51E-07	2.39E-07	1.59E-07	0.00E+00	3.98E-07	4.39E-08	2.70E-08	0.00E+00	7.09E-08	2.45E-08	2.33E-08	0.00E+00	4.78E-08
2244	481115.25	3768632.85	2.388E-07	1.08E-07	0.00E+00	3.46E-07	2.36E-07	1.57E-07	0.00E+00	3.93E-07	4.34E-08	2.67E-08	0.00E+00	7.01E-08	2.42E-08	2.30E-08	0.00E+00	4.73E-08
2245	481142.57	3768641.15	2.253E-07	1.02E-07	0.00E+00	3.27E-07	2.23E-07	1.48E-07	0.00E+00	3.71E-07	4.09E-08	2.52E-08	0.00E+00	6.61E-08	2.29E-08	2.17E-08	0.00E+00	4.46E-08
2246	481151.67	3768643.92	2.192E-07	9.89E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.61E-07	3.98E-08	2.45E-08	0.00E+00	6.43E-08	2.22E-08	2.11E-08	0.00E+00	4.34E-08

2269	481068.46	3768629.91	2.295E-07	1.04E-07	0.00E+00	3.33E-07	2.27E-07	1.51E-07	0.00E+00	3.78E-07	4.17E-08	2.57E-08	0.00E+00	6.74E-08	2.33E-08	2.21E-08	0.00E+00	4.54E-08
2270	481060.84	3768624.51	2.334E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
2271	481053.22	3768619.1	2.363E-07	1.07E-07	0.00E+00	3.43E-07	2.34E-07	1.55E-07	0.00E+00	3.89E-07	4.29E-08	2.64E-08	0.00E+00	6.93E-08	2.40E-08	2.28E-08	0.00E+00	4.68E-08
2272	481045.61	3768613.69	2.382E-07	1.07E-07	0.00E+00	3.46E-07	2.36E-07	1.56E-07	0.00E+00	3.92E-07	4.33E-08	2.66E-08	0.00E+00	6.99E-08	2.42E-08	2.30E-08	0.00E+00	4.71E-08
2273	481037.99	3768608.29	2.391E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.94E-07	4.34E-08	2.67E-08	0.00E+00	7.02E-08	2.43E-08	2.31E-08	0.00E+00	4.73E-08
2274	481030.37	3768602.88	2.392E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.94E-07	4.35E-08	2.67E-08	0.00E+00	7.02E-08	2.43E-08	2.31E-08	0.00E+00	4.73E-08
2275	481022.75	3768597.47	2.384E-07	1.08E-07	0.00E+00	3.46E-07	2.36E-07	1.56E-07	0.00E+00	3.92E-07	4.33E-08	2.66E-08	0.00E+00	7.00E-08	2.42E-08	2.30E-08	0.00E+00	4.72E-08
2276	481015.13	3768592.06	2.369E-07	1.07E-07	0.00E+00	3.44E-07	2.34E-07	1.55E-07	0.00E+00	3.90E-07	4.30E-08	2.65E-08	0.00E+00	6.95E-08	2.40E-08	2.29E-08	0.00E+00	4.69E-08
2277	481007.52	3768586.66	2.346E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.89E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
2278	480997.05	3768572.35	2.33E-07	1.05E-07	0.00E+00	3.38E-07	2.31E-07	1.53E-07	0.00E+00	3.83E-07	4.23E-08	2.60E-08	0.00E+00	6.84E-08	2.36E-08	2.25E-08	0.00E+00	4.61E-08
2279	480994.21	3768563.45	2.333E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
2280	480991.36	3768554.55	2.325E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.53E-07	0.00E+00	3.83E-07	4.22E-08	2.60E-08	0.00E+00	6.82E-08	2.36E-08	2.24E-08	0.00E+00	4.60E-08
2281	480988.52	3768545.66	2.306E-07	1.04E-07	0.00E+00	3.35E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.19E-08	2.58E-08	0.00E+00	6.77E-08	2.34E-08	2.22E-08	0.00E+00	4.56E-08
2282	480985.67	3768536.76	2.276E-07	1.03E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.75E-07	4.14E-08	2.54E-08	0.00E+00	6.68E-08	2.31E-08	2.20E-08	0.00E+00	4.50E-08
2283	480982.83	3768527.86	2.237E-07	1.01E-07	0.00E+00	3.25E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.07E-08	2.50E-08	0.00E+00	6.57E-08	2.27E-08	2.16E-08	0.00E+00	4.43E-08
2284	480979.98	3768518.96	2.19E-07	9.88E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.60E-07	3.98E-08	2.45E-08	0.00E+00	6.43E-08	2.22E-08	2.11E-08	0.00E+00	4.33E-08
2285	480977.14	3768510.06	2.134E-07	9.62E-08	0.00E+00	3.10E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.88E-08	2.39E-08	0.00E+00	6.26E-08	2.16E-08	2.06E-08	0.00E+00	4.22E-08
2286	480974.29	3768501.16	2.071E-07	9.34E-08	0.00E+00	3.00E-07	2.05E-07	1.36E-07	0.00E+00	3.41E-07	3.76E-08	2.31E-08	0.00E+00	6.08E-08	2.10E-08	2.00E-08	0.00E+00	4.10E-08
2287	480971.45	3768492.27	2.001E-07	9.02E-08	0.00E+00	2.90E-07	1.98E-07	1.31E-07	0.00E+00	3.29E-07	3.64E-08	2.24E-08	0.00E+00	5.87E-08	2.03E-08	1.93E-08	0.00E+00	3.96E-08
2288	480968.6	3768483.37	1.926E-07	8.69E-08	0.00E+00	2.79E-07	1.91E-07	1.26E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.65E-08	1.95E-08	1.86E-08	0.00E+00	3.81E-08
2289	481091.32	3768646.14	2.125E-07	9.58E-08	0.00E+00	3.08E-07	2.10E-07	1.39E-07	0.00E+00	3.50E-07	3.86E-08	2.37E-08	0.00E+00	6.24E-08	2.16E-08	2.05E-08	0.00E+00	4.21E-08
2290	481100.42	3768648.91	2.096E-07	9.45E-08	0.00E+00	3.04E-07	2.07E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
2291	481109.53	3768651.67	2.06E-07	9.29E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.74E-08	2.30E-08	0.00E+00	6.05E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
2292	481118.63	3768654.44	2.018E-07	9.10E-08	0.00E+00	2.93E-07	2.00E-07	1.32E-07	0.00E+00	3.32E-07	3.67E-08	2.26E-08	0.00E+00	5.92E-08	2.05E-08	1.95E-08	0.00E+00	3.99E-08
2293	481145.95	3768662.75	1.853E-07	8.36E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.37E-08	2.07E-08	0.00E+00	5.44E-08	1.88E-08	1.79E-08	0.00E+00	3.67E-08
2294	481155.05	3768665.52	1.789E-07	8.07E-08	0.00E+00	2.60E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.25E-08	2.00E-08	0.00E+00	5.25E-08	1.81E-08	1.73E-08	0.00E+00	3.54E-08
2295	481164.16	3768668.29	1.721E-07	7.76E-08	0.00E+00	2.50E-07	1.70E-07	1.13E-07	0.00E+00	2.83E-07	3.13E-08	1.92E-08	0.00E+00	5.05E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
2296	481081.03	3768650.28	2.048E-07	9.24E-08	0.00E+00	2.97E-07	2.03E-07	1.34E-07	0.00E+00	3.37E-07	3.72E-08	2.29E-08	0.00E+00	6.01E-08	2.08E-08	1.98E-08	0.00E+00	4.05E-08
2297	481073.61	3768645.01	2.106E-07	9.50E-08	0.00E+00	3.06E-07	2.08E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.35E-08	0.00E+00	6.18E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
2298	481066.18	3768639.74	2.157E-07	9.73E-08	0.00E+00	3.13E-07	2.13E-07	1.42E-07	0.00E+00	3.55E-07	3.92E-08	2.41E-08	0.00E+00	6.33E-08	2.19E-08	2.08E-08	0.00E+00	4.27E-08
2299	481058.76	3768634.48	2.2E-07	9.92E-08	0.00E+00	3.19E-07	2.18E-07	1.44E-07	0.00E+00	3.62E-07	4.00E-08	2.46E-08	0.00E+00	6.46E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
2300	481051.34	3768629.21	2.235E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.56E-08	2.27E-08	2.16E-08	0.00E+00	4.42E-08
2301	481043.92	3768623.94	2.261E-07	1.02E-07	0.00E+00	3.28E-07	2.24E-07	1.48E-07	0.00E+00	3.72E-07	4.11E-08	2.53E-08	0.00E+00	6.64E-08	2.29E-08	2.18E-08	0.00E+00	4.47E-08
2302	481036.49	3768618.67	2.279E-07	1.03E-07	0.00E+00	3.31E-07	2.25E-07	1.50E-07	0.00E+00	3.75E-07	4.14E-08	2.55E-08	0.00E+00	6.69E-08	2.31E-08	2.20E-08	0.00E+00	4.51E-08
2303	481029.07	3768613.4	2.289E-07	1.03E-07	0.00E+00	3.32E-07	2.26E-07	1.50E-07	0.00E+00	3.77E-07	4.16E-08	2.56E-08	0.00E+00	6.72E-08	2.32E-08	2.21E-08	0.00E+00	4.53E-08
2304	481021.65	3768608.13	2.292E-07	1.03E-07	0.00E+00	3.33E-07	2.27E-07	1.50E-07	0.00E+00	3.77E-07	4.16E-08	2.56E-08	0.00E+00	6.73E-08	2.32E-08	2.21E-08	0.00E+00	4.54E-08
2305	481014.22	3768602.86	2.287E-07	1.03E-07	0.00E+00	3.32E-07	2.26E-07	1.50E-07	0.00E+00	3.76E-07	4.16E-08	2.56E-08	0.00E+00	6.71E-08	2.32E-08	2.21E-08	0.00E+00	4.53E-08
2306	481006.8	3768597.6	2.275E-07	1.03E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.74E-07	4.13E-08	2.54E-08	0.00E+00	6.68E-08	2.31E-08	2.19E-08	0.00E+00	4.50E-08
2307	480999.38	3768592.33	2.256E-07	1.02E-07	0.00E+00	3.27E-07	2.23E-07	1.48E-07	0.00E+00	3.71E-07	4.10E-08	2.52E-08	0.00E+00	6.62E-08	2.29E-08	2.18E-08	0.00E+00	4.47E-08
2308	480989.18	3768578.39	2.246E-07	1.01E-07	0.00E+00	3.26E-07	2.22E-07	1.47E-07	0.00E+00	3.70E-07	4.08E-08	2.51E-08	0.00E+00	6.59E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
2309	480986.41	3768569.72	2.253E-07	1.02E-07	0.00E+00	3.27E-07	2.23E-07	1.48E-07	0.00E+00	3.71E-07	4.09E-08	2.52E-08	0.00E+00	6.61E-08	2.28E-08	2.17E-08	0.00E+00	4.46E-08
2310	480983.64	3768561.05	2.25E-07	1.01E-07	0.00E+00	3.26E-07	2.23E-07	1.48E-07	0.00E+00	3.70E-07	4.09E-08	2.51E-08	0.00E+00	6.60E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
2311	480978.1	3768543.71	2.215E-07	9.99E-08	0.00E+00	3.21E-07	2.19E-07	1.45E-07	0.00E+00	3.64E-07	4.02E-08	2.48E-08	0.00E+00	6.50E-08	2.25E-08	2.14E-08	0.00E+00	4.38E-08
2312	480975.32	3768535.04	2.184E-07	9.85E-08	0.00E+00	3.17E-07	2.16E-07	1.43E-07	0.00E+00	3.59E-07	3.97E-08	2.44E-08	0.00E+00	6.41E-08	2.22E-08	2.11E-08	0.00E+00	4.32E-08
2313	480972.55	3768526.37	2.145E-07	9.67E-08	0.00E+00	3.11E-07	2.12E-07	1.41E-07	0.00E+00	3.53E-07	3.90E-08	2.40E-08	0.00E+00	6.29E-08	2.18E-08	2.07E-08	0.00E+00	4.24E-08
2314	480967.01	3768509.03	2.044E-07	9.22E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.05E-08
2315	480964.24	3768500.35	1.984E-07	8.95E-08	0.00E+00	2.88E-07	1.96E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.82E-08	2.01E-08	1.91E-08	0.00E+00	3.93E-08
2316	480958.69	3768483.01	1.849E-07	8.34E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.78E-08	0.00E+00	3.66E-08
2317	481088.45	3768655.55	1.984E-07	8.95E-08	0.00E+00	2.88E-07	1.96E-07	1.30E-07	0.00E+00	3.26E-07	3.60E-08	2.22E-08	0.00E+00	5.82E-08	2.01E-08	1.91E-08	0.00E+00	3.93E-08
2318	481097.56	3768658.32	1.951E-07	8.80E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.55E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.86E-08
2319	481106.66	3768661.09	1.913E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2320	481115.77	3768663.86	1.869E-07	8.43E-08	0.00E+00	2.71E-07	1.85E-07	1.23E-07	0.00E+00	3.08E-07	3.40E-08	2.09E-08	0.00E+00	5.49E-08	1.90E-08	1.80E-08	0.00E+00	3.70E-08
2321	481143.08	3768672.16	1.706E-07	7.69E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.81E-07	3.10E-08	1.91E-08	0.00E+00	5.01E-08	1.73E-08	1.65E-08	0.00E+00	3.38E-08
2322	481152.19	3768674.93	1.644E-07	7.41E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.82E-08	1.67E-08	1.59E-08	0.00E+00	3.25E-08
2323	481161.29	3768677.7	1.579E-07	7.12E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.76E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.13E-08
2324	481078.34	3768659.81	1.915E-07	8.64E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.62E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2325	481063.82	3768649.51	2.026E-07	9.14E-08	0.00E+00	2.94E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.68E-08	2.26E-08	0.00E+00	5.94E-08	2.05E-08	1.95E-08	0.00E+00	4.01E-08
2326	481049.31	3768639.21	2.11E-07	9.52E-08	0.00E+00	3.06E-07	2.09E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.36E-08	0.00E+00	6.19E-08	2.14E-08	2.04E-08	0.00E+00	4.18E-08
2327	481034.8	3768628.91	2.166E-07	9.77E-08	0.00E+00	3.14E-07	2.14E-07	1.42E-07	0.00E+00	3.56E-07	3.94E-08	2.42E-08	0.00E+00	6.36E-08	2.20E-08	2.09E-08	0.00E+00	4.29E-08
2328	481020.29	3768618.61	2.194E-07	9.90E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.61E-07	3.99E-08	2.45E-08	0.00E+00	6.44E-08	2.23E-08	2.12E-08	0.00E+00	4.34E-08
2329	481005.78	3768608.32	2.196E-07	9.90E-08	0.00E+00	3.19E-07	2.17E-07	1.44E-07	0.00E+00	3.61E-07	3.99E-08	2.45E-08	0.00E+00	6.44E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
2330	480991.27	3768598.02	2.171E-07	9.79E-08	0.00E+00	3.15E-07	2.15E-07	1.42E-07	0.00E+00	3.57E-07	3.94E-08	2.43E-08	0.00E+00	6.37E-08	2.20E-08	2.09E-08	0.00E+00	4.30E-08
2331	480981.3	3768584.39	2.167E-07	9.77E-08	0.00E+00	3.14E-07	2.14E-07	1.42E-07	0.00E+00	3.57E-07	3.94E-08	2.42E-08	0.00E+00	6.36E-08	2.20E-08	2.09E-08	0.00E+00	4.29E-08
2332	480975.89	3768567.44	2.176E-07	9.81E-08	0.00E+00	3.16E-07	2.15E-07	1.43E-07	0.00E+00	3.58E-07	3.95E-08	2.43E-08	0.00E+00	6.39E-08	2.21E-08	2.10E-08	0.00E+00	4.31E-08
2333	480970.47	3768550.49	2.153E-07	9.71E-08	0.00E+00	3.12E-07	2.13E-07	1.41E-07	0.00E+00	3.54E-07	3.91E-08	2.41E-08	0.00E+00	6.32E-08	2.18E-08	2.08E-08	0.00E+00	4.26E-08
2334	480965.05	3768533.54	2.097E-07	9.46E-08	0.00E+00	3.04E-07	2.08E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
2335	480959.63	3768516.59	2.013E-07	9.08E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.31E-07	3.66E-08	2.25E-08	0.00E+00	5.91E-08	2.04E-08	1.94E-08	0.00E+00	3.98E-08
2336	480954.21	3768499.64	1.904E-07	8.59E-08	0.00E+00	2.76E-07	1.88E-07	1.25E-07	0.00E+00	3.13E-07	3.46E-08	2.13E-08	0.00E+00	5.59E-08	1.93E-08	1.84E-08	0.00E+00	3.77E-08
2337	480948.79	3768482.69	1.777E-07	8.01E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.92E-07	3.23E-08	1.99E-08	0.00E+00	5.21E-08	1.80E-08	1.71E-08	0.00E+00	3.52E-08
2338	481094.7	3768667.73	1.817E-07	8.19E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	2.99E-07	3.30E-08	2.03E-08	0.00E+00	5.33E-08	1.84E-08	1.75E-08	0.00E+00	3.59E-08
2339	481103.8	3768670.5	1.777E-07	8.01E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.92E-07	3.23E-08	1.99E-08	0.00E+00	5.21E-08	1.80E-08	1.71E-08	0.00E+00	3.52E-08
2340	481112.91	3768673.27	1.732E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.15E-08	1.94E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
2341	481122.01	3768676.04	1.683E-07	7.59E-08	0.00E+00	2.44E-07	1.67E-07	1.10E-07	0.00E+00	2.77E-07	3.06E-08	1.88E-08	0.00E+00	4.94E-08	1.71E-08	1.62E-08	0.00E+00	3.33E-08
2342	481149.33	3768684.34	1.512E-07	6.82E-08	0.00E+00	2.19E-07	1.50E-07	9.92E-08	0.00E+00	2.49E-07	2.75E-08	1.69E-08	0.00E+00	4.44E-08	1.53E-08	1.46E-08	0.00E+00	2.99E-08
2343	481158.43	3768687.11	1.45E-07	6.54E-08	0.00E+00	2.10E-07	1.44E-07	9.52E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2344	481075.11	3768668.97	1.794E-07	8.09E-08	0.00E+00	2.60E-07	1.78E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.01E-08	0.00E+00	5.27E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
2345	481067.49	3768663.56	1.856E-07	8.37E-08	0.00E+00	2.69E-07	1.84E-07	1.22E-07	0.00E+00	3.05E-07	3.37E-08	2.07E-08	0.00E+00	5.45E-08	1.88E-08	1.79E-08	0.00E+00	3.67E-08
2346	481059.87	3768658.15	1.911E-07	8.62E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.15E-07	3.47E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
2347	481052.26	3768652.75	1.96E-07	8.84E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.23E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
2348	481044.64	3768647.34	2.003E-07	9.03E-08	0.00E+00	2.91E-07	1.98E-07	1.31E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.88E-08	2.03E-08	1.93E-08	0.00E+00	3.96E-08
2349	481037.02	3768641.93	2.038E-07	9.19E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.03E-08
2350	481029.4	3768636.53	2.066E-07	9.32E-08	0.00E+00	3.00E-07	2.04E-07	1.36E-07	0.00E+00	3.40E-07	3.75E-08	2.31E-08	0.00E+00	6.06E-08	2.10E-08	1.99E-08	0.00E+00	4.09E-08
2351	481021.78	3768631.12	2.088E-07	9.42E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.79E-08	2.33E-08	0.00E+00	6.13E-08	2.12E-08	2.01E-08	0.00E+00	4.13E-08
2352	481014.16	3768625.71	2.103E-07	9.48E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.17E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
2353	481006.55	3768620.3	2.11E-07	9.52E-08	0.00E+00	3.06E-07	2.09E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.36E-08	0.00E+00	6.19E-08	2.14E-08	2.04E-08	0.00E+00	4.18E-08
2354	480998.93	3768614.9	2.111E-07	9.52E-08	0.00E+00	3.06E-07	2.09E-07	1.39E-07	0.00E+00	3.47E-07	3.84E-08	2.36E-08	0.00E+00	6.19E-08	2.14E-08	2.04E-08	0.00E+00	4.18E-08
2355	480991.31	3768609.49	2.104E-07	9.49E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.17E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
2356	480983.69	3768604.08	2.091E-07	9.43E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.80E-08	2.34E-08	0.00E+00	6.14E-08	2.12E-08	2.02E-08	0.00E+00	4.14E-08
2357	480973.23	3768589.78	2.092E-07	9.43E-08	0.00E+00	3.04E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.80E-08	2.34E-08	0.00E+00	6.14E-08	2.12E-08	2.02E-08	0.00E+00	4.14E-08
2358	480970.38	3768580.88	2.103E-07	9.48E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.17E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
2359	480967.54	3768571.98	2.106E-07	9.50E-08	0.00E+00	3.06E-07	2.08E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.35E-08	0.00E+00	6.18E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
2360	480964.69	3768563.08	2.1E-07	9.47E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.16E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
2361	480961.85	3768554.18	2.086E-07	9.41E-08	0.00E+00	3.03E-07	2.06E-07	1.37E-07	0.00E+00	3.43E-07	3.79E-08	2.33E-08	0.00E+00	6.12E-08	2.12E-08	2.01E-08	0.00E+00	4.13E-08
2362	480959	3768545.28	2.063E-07	9.30E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.40E-07	3.75E-08	2.31E-08	0.00E+00	6.05E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
2363	480956.16	3768536.39	2.033E-07	9.17E-08	0.00E+00	2.95E-07	2.01E-07	1.33E-07	0.00E+00	3.35E-07	3.69E-08	2.27E-08	0.00E+00	5.96E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
2364	480953.31	3768527.49	1.994E-07	8.99E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.28E-07	3.62E-08	2.23E-08	0.00E+00	5.85E-08	2.02E-08	1.92E-08	0.00E+00	3.95E-08

2387	480997.93	3768625.63	2.028E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.01E-08
2388	480990.48	3768620.34	2.029E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.96E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
2389	480983.03	3768615.06	2.025E-07	9.13E-08	0.00E+00	2.94E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.68E-08	2.26E-08	0.00E+00	5.94E-08	2.05E-08	1.95E-08	0.00E+00	4.01E-08
2390	480975.58	3768609.77	2.015E-07	9.08E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.32E-07	3.66E-08	2.25E-08	0.00E+00	5.91E-08	2.04E-08	1.94E-08	0.00E+00	3.99E-08
2391	480965.35	3768595.78	2.02E-07	9.11E-08	0.00E+00	2.93E-07	2.00E-07	1.33E-07	0.00E+00	3.32E-07	3.67E-08	2.26E-08	0.00E+00	5.93E-08	2.05E-08	1.95E-08	0.00E+00	4.00E-08
2392	480962.57	3768587.08	2.034E-07	9.17E-08	0.00E+00	2.95E-07	2.01E-07	1.33E-07	0.00E+00	3.35E-07	3.70E-08	2.27E-08	0.00E+00	5.97E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
2393	480957	3768569.68	2.038E-07	9.19E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.03E-08
2394	480954.22	3768560.98	2.028E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.68E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.01E-08
2395	480951.44	3768552.28	2.011E-07	9.07E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.31E-07	3.65E-08	2.25E-08	0.00E+00	5.90E-08	2.04E-08	1.94E-08	0.00E+00	3.98E-08
2396	480948.66	3768543.58	1.986E-07	8.96E-08	0.00E+00	2.88E-07	1.97E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.83E-08	2.01E-08	1.92E-08	0.00E+00	3.93E-08
2397	480943.1	3768526.18	1.917E-07	8.65E-08	0.00E+00	2.78E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.48E-08	2.14E-08	0.00E+00	5.63E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2398	480940.31	3768517.48	1.873E-07	8.45E-08	0.00E+00	2.72E-07	1.85E-07	1.23E-07	0.00E+00	3.08E-07	3.40E-08	2.09E-08	0.00E+00	5.50E-08	1.90E-08	1.81E-08	0.00E+00	3.71E-08
2399	480937.53	3768508.77	1.824E-07	8.22E-08	0.00E+00	2.65E-07	1.80E-07	1.20E-07	0.00E+00	3.00E-07	3.31E-08	2.04E-08	0.00E+00	5.35E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
2400	480934.75	3768500.07	1.77E-07	7.98E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.22E-08	1.98E-08	0.00E+00	5.19E-08	1.80E-08	1.71E-08	0.00E+00	3.50E-08
2401	480931.97	3768491.37	1.711E-07	7.72E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.82E-07	3.11E-08	1.91E-08	0.00E+00	5.02E-08	1.74E-08	1.65E-08	0.00E+00	3.39E-08
2402	481079.87	3768683.79	1.613E-07	7.27E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.65E-07	2.93E-08	1.80E-08	0.00E+00	4.73E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2403	481088.97	3768686.56	1.575E-07	7.10E-08	0.00E+00	2.29E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.12E-08
2404	481098.08	3768689.33	1.534E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2405	481107.18	3768692.1	1.49E-07	6.72E-08	0.00E+00	2.16E-07	1.47E-07	9.78E-08	0.00E+00	2.45E-07	2.71E-08	1.66E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
2406	481116.29	3768694.86	1.442E-07	6.50E-08	0.00E+00	2.09E-07	1.43E-07	9.46E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2407	481143.6	3768703.17	1.284E-07	5.79E-08	0.00E+00	1.86E-07	1.27E-07	8.42E-08	0.00E+00	2.11E-07	2.33E-08	1.43E-08	0.00E+00	3.77E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2408	481152.71	3768705.94	1.228E-07	5.54E-08	0.00E+00	1.78E-07	1.21E-07	8.06E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.25E-08	1.18E-08	0.00E+00	2.43E-08
2409	481069.7	3768688.02	1.567E-07	7.07E-08	0.00E+00	2.27E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.60E-08	1.59E-08	1.51E-08	0.00E+00	3.10E-08
2410	481055.1	3768677.66	1.68E-07	7.58E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
2411	481040.5	3768667.29	1.777E-07	8.01E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.92E-07	3.23E-08	1.99E-08	0.00E+00	5.21E-08	1.80E-08	1.71E-08	0.00E+00	3.52E-08
2412	481033.2	3768662.11	1.817E-07	8.20E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	2.99E-07	3.30E-08	2.03E-08	0.00E+00	5.33E-08	1.84E-08	1.75E-08	0.00E+00	3.60E-08
2413	481018.6	3768651.75	1.883E-07	8.49E-08	0.00E+00	2.73E-07	1.86E-07	1.24E-07	0.00E+00	3.10E-07	3.42E-08	2.10E-08	0.00E+00	5.53E-08	1.91E-08	1.82E-08	0.00E+00	3.73E-08
2414	481011.3	3768646.56	1.909E-07	8.61E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.14E-07	3.47E-08	2.13E-08	0.00E+00	5.60E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
2415	480996.69	3768636.2	1.942E-07	8.76E-08	0.00E+00	2.82E-07	1.92E-07	1.27E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.70E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
2416	480982.09	3768625.84	1.953E-07	8.81E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.55E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.87E-08
2417	480967.49	3768615.47	1.942E-07	8.76E-08	0.00E+00	2.82E-07	1.92E-07	1.27E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.70E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
2418	480957.46	3768601.76	1.952E-07	8.80E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.55E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.86E-08
2419	480952.01	3768584.71	1.975E-07	8.91E-08	0.00E+00	2.87E-07	1.95E-07	1.30E-07	0.00E+00	3.25E-07	3.59E-08	2.21E-08	0.00E+00	5.80E-08	2.00E-08	1.91E-08	0.00E+00	3.91E-08
2420	480946.56	3768567.65	1.971E-07	8.89E-08	0.00E+00	2.86E-07	1.95E-07	1.29E-07	0.00E+00	3.24E-07	3.58E-08	2.20E-08	0.00E+00	5.78E-08	2.00E-08	1.90E-08	0.00E+00	3.90E-08
2421	480943.83	3768559.12	1.958E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
2422	480938.38	3768542.07	1.914E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.62E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2423	480932.93	3768525.01	1.844E-07	8.32E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.35E-08	2.06E-08	0.00E+00	5.41E-08	1.87E-08	1.78E-08	0.00E+00	3.65E-08
2424	480927.47	3768507.96	1.754E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2425	480922.02	3768490.9	1.648E-07	7.43E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2426	481077	3768693.2	1.506E-07	6.79E-08	0.00E+00	2.18E-07	1.49E-07	9.88E-08	0.00E+00	2.48E-07	2.74E-08	1.68E-08	0.00E+00	4.42E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
2427	481086.11	3768695.97	1.467E-07	6.62E-08	0.00E+00	2.13E-07	1.45E-07	9.63E-08	0.00E+00	2.41E-07	2.67E-08	1.64E-08	0.00E+00	4.31E-08	1.49E-08	1.42E-08	0.00E+00	2.90E-08
2428	481095.21	3768698.74	1.426E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.36E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
2429	481104.32	3768701.51	1.383E-07	6.24E-08	0.00E+00	2.01E-07	1.37E-07	9.07E-08	0.00E+00	2.28E-07	2.51E-08	1.55E-08	0.00E+00	4.06E-08	1.40E-08	1.33E-08	0.00E+00	2.74E-08
2430	481113.42	3768704.28	1.336E-07	6.03E-08	0.00E+00	1.94E-07	1.32E-07	8.77E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.36E-08	1.29E-08	0.00E+00	2.64E-08
2431	481122.53	3768707.05	1.288E-07	5.81E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
2432	481149.84	3768715.35	1.132E-07	5.10E-08	0.00E+00	1.64E-07	1.12E-07	7.43E-08	0.00E+00	1.86E-07	2.06E-08	1.26E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
2433	481066.52	3768697.21	1.468E-07	6.62E-08	0.00E+00	2.13E-07	1.45E-07	9.63E-08	0.00E+00	2.42E-07	2.67E-08	1.64E-08	0.00E+00	4.31E-08	1.49E-08	1.42E-08	0.00E+00	2.90E-08
2434	481058.9	3768691.8	1.527E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.51E-07	2.77E-08	1.71E-08	0.00E+00	4.48E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
2435	481051.29	3768686.39	1.584E-07	7.14E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.13E-08
2436	481043.67	3768680.99	1.636E-07	7.38E-08	0.00E+00	2.37E-07	1.62E-07	1.07E-07	0.00E+00	2.69E-07	2.97E-08	1.83E-08	0.00E+00	4.80E-08	1.66E-08	1.58E-08	0.00E+00	3.24E-08
2437	481036.05	3768675.58	1.685E-07	7.60E-08	0.00E+00	2.44E-07	1.67E-07	1.11E-07	0.00E+00	2.77E-07	3.06E-08	1.88E-08	0.00E+00	4.94E-08	1.71E-08	1.63E-08	0.00E+00	3.33E-08
2438	481028.43	3768670.17	1.728E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
2439	481020.81	3768664.76	1.766E-07	7.96E-08	0.00E+00	2.56E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.21E-08	1.97E-08	0.00E+00	5.18E-08	1.79E-08	1.70E-08	0.00E+00	3.50E-08
2440	481013.2	3768659.36	1.799E-07	8.11E-08	0.00E+00	2.61E-07	1.78E-07	1.18E-07	0.00E+00	2.96E-07	3.27E-08	2.01E-08	0.00E+00	5.28E-08	1.82E-08	1.74E-08	0.00E+00	3.56E-08
2441	481005.58	3768653.95	1.827E-07	8.24E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.01E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
2442	480997.96	3768648.54	1.849E-07	8.34E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.78E-08	0.00E+00	3.66E-08
2443	480990.34	3768643.14	1.866E-07	8.41E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.08E-08	0.00E+00	5.47E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
2444	480982.72	3768637.73	1.876E-07	8.46E-08	0.00E+00	2.72E-07	1.86E-07	1.23E-07	0.00E+00	3.09E-07	3.41E-08	2.10E-08	0.00E+00	5.51E-08	1.90E-08	1.81E-08	0.00E+00	3.71E-08
2445	480975.1	3768632.32	1.881E-07	8.48E-08	0.00E+00	2.73E-07	1.86E-07	1.23E-07	0.00E+00	3.10E-07	3.42E-08	2.10E-08	0.00E+00	5.52E-08	1.91E-08	1.81E-08	0.00E+00	3.72E-08
2446	480967.49	3768626.91	1.881E-07	8.48E-08	0.00E+00	2.73E-07	1.86E-07	1.23E-07	0.00E+00	3.10E-07	3.42E-08	2.10E-08	0.00E+00	5.52E-08	1.91E-08	1.81E-08	0.00E+00	3.72E-08
2447	480959.87	3768621.51	1.875E-07	8.46E-08	0.00E+00	2.72E-07	1.86E-07	1.23E-07	0.00E+00	3.09E-07	3.41E-08	2.10E-08	0.00E+00	5.50E-08	1.90E-08	1.81E-08	0.00E+00	3.71E-08
2448	480949.4	3768607.2	1.889E-07	8.52E-08	0.00E+00	2.74E-07	1.87E-07	1.24E-07	0.00E+00	3.11E-07	3.43E-08	2.11E-08	0.00E+00	5.54E-08	1.92E-08	1.82E-08	0.00E+00	3.74E-08
2449	480946.56	3768598.3	1.905E-07	8.59E-08	0.00E+00	2.76E-07	1.89E-07	1.25E-07	0.00E+00	3.14E-07	3.46E-08	2.13E-08	0.00E+00	5.59E-08	1.93E-08	1.84E-08	0.00E+00	3.77E-08
2450	480943.71	3768589.4	1.915E-07	8.64E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.62E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2451	480940.87	3768580.51	1.918E-07	8.65E-08	0.00E+00	2.78E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.48E-08	2.14E-08	0.00E+00	5.63E-08	1.95E-08	1.85E-08	0.00E+00	3.79E-08
2452	480938.02	3768571.61	1.913E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2453	480935.18	3768562.71	1.901E-07	8.57E-08	0.00E+00	2.76E-07	1.88E-07	1.25E-07	0.00E+00	3.13E-07	3.45E-08	2.12E-08	0.00E+00	5.58E-08	1.93E-08	1.83E-08	0.00E+00	3.76E-08
2454	480932.33	3768553.81	1.883E-07	8.49E-08	0.00E+00	2.73E-07	1.86E-07	1.24E-07	0.00E+00	3.10E-07	3.42E-08	2.10E-08	0.00E+00	5.52E-08	1.91E-08	1.82E-08	0.00E+00	3.73E-08
2455	480929.49	3768544.91	1.858E-07	8.38E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.38E-08	2.08E-08	0.00E+00	5.45E-08	1.88E-08	1.79E-08	0.00E+00	3.68E-08
2456	480926.64	3768536.01	1.827E-07	8.24E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.01E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.62E-08
2457	480923.8	3768527.11	1.79E-07	8.07E-08	0.00E+00	2.60E-07	1.77E-07	1.17E-07	0.00E+00	2.95E-07	3.25E-08	2.00E-08	0.00E+00	5.25E-08	1.82E-08	1.73E-08	0.00E+00	3.54E-08
2458	480920.95	3768518.22	1.748E-07	7.88E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.95E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
2459	480918.11	3768509.32	1.701E-07	7.67E-08	0.00E+00	2.47E-07	1.68E-07	1.12E-07	0.00E+00	2.80E-07	3.09E-08	1.90E-08	0.00E+00	4.99E-08	1.73E-08	1.64E-08	0.00E+00	3.37E-08
2460	480915.26	3768500.42	1.65E-07	7.44E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	3.00E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2461	480912.42	3768491.52	1.595E-07	7.19E-08	0.00E+00	2.31E-07	1.58E-07	1.05E-07	0.00E+00	2.62E-07	2.90E-08	1.78E-08	0.00E+00	4.68E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
2462	480909.57	3768482.62	1.537E-07	6.93E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2463	481074.14	3768702.62	1.405E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.22E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
2464	481083.25	3768705.38	1.367E-07	6.17E-08	0.00E+00	1.98E-07	1.35E-07	8.97E-08	0.00E+00	2.25E-07	2.48E-08	1.53E-08	0.00E+00	4.01E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
2465	481092.35	3768708.15	1.327E-07	5.98E-08	0.00E+00	1.93E-07	1.31E-07	8.71E-08	0.00E+00	2.18E-07	2.41E-08	1.48E-08	0.00E+00	3.89E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
2466	481101.46	3768710.92	1.284E-07	5.79E-08	0.00E+00	1.86E-07	1.27E-07	8.43E-08	0.00E+00	2.11E-07	2.33E-08	1.44E-08	0.00E+00	3.77E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2467	481110.56	3768713.69	1.239E-07	5.59E-08	0.00E+00	1.80E-07	1.23E-07	8.13E-08	0.00E+00	2.04E-07	2.25E-08	1.39E-08	0.00E+00	3.64E-08	1.26E-08	1.20E-08	0.00E+00	2.45E-08
2468	481119.67	3768716.46	1.193E-07	5.38E-08	0.00E+00	1.73E-07	1.18E-07	7.83E-08	0.00E+00	1.96E-07	2.17E-08	1.33E-08	0.00E+00	3.50E-08	1.21E-08	1.15E-08	0.00E+00	2.36E-08
2469	481146.98	3768724.77	1.045E-07	4.71E-08	0.00E+00	1.52E-07	1.03E-07	6.85E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.07E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
2470	481063.81	3768706.73	1.371E-07	6.18E-08	0.00E+00	1.99E-07	1.36E-07	9.00E-08	0.00E+00	2.26E-07	2.49E-08	1.53E-08	0.00E+00	4.02E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
2471	481056.34	3768701.43	1.428E-07	6.44E-08	0.00E+00	2.07E-07	1.41E-07	9.37E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
2472	481048.87	3768696.12	1.483E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.73E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.94E-08
2473	481041.4	3768690.82	1.535E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2474	481033.93	3768685.52	1.583E-07	7.14E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.13E-08
2475	481026.47	3768680.22	1.628E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2476	481019	3768674.92	1.668E-07	7.52E-08	0.00E+00	2.42E-07	1.65E-07	1.09E-07	0.00E+00	2.74E-07	3.03E-08	1.86E-08	0.00E+00	4.89E-08	1.69E-08	1.61E-08	0.00E+00	3.30E-08
2477	481011.53	3768669.62	1.703E-07	7.68E-08	0.00E+00	2.47E-07	1.68E-07	1.12E-07	0.00E+00	2.80E-07	3.09E-08	1.90E-08	0.00E+00	5.00E-08	1.73E-08	1.64E-08	0.00E+00	3.37E-08
2478	481004.06	3768664.32	1.733E-07	7.82E-08	0.00E+00	2.51E-07	1.72E-07	1.14E-07	0.00E+00	2.85E-07	3.15E-08	1.94E-08	0.00E+00	5.09E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
2479	480996.59	3768659.02	1.759E-07	7.93E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.90E-07	3.20E-08	1.97E-08	0.00E+00	5.16E-08	1.78E-08	1.70E-08	0.00E+00	3.48E-08
2480	480989.12	3768653.71	1.781E-07	8.03E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.93E-07	3.24E-08	1.99E-08	0.00E+00	5.23E-08	1.81E-08	1.72E-08	0.00E+00	3.52E-08
2481	480981.65	3768648.41	1.797E-07	8.10E-08	0.00E+00	2.61E-07	1.78E-07	1.18E-07	0.00E+00	2.96E-07	3.27E-08	2.01E-08	0.00E+00	5.27E-08	1.82E-08	1.73E-08	0.00E+00	3.56E-08
2482	480974.18	3768643.11	1.808E-07	8.15E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.98E-07	3.29E-08	2.02E-08	0.00E+00	5.31E-08	1.83E-08	1.74E-08	0.00E+00	3.58E-08
2483

2505	481107.7	3768723.1	1.15E-07	5.19E-08	0.00E+00	1.67E-07	1.14E-07	7.55E-08	0.00E+00	1.89E-07	2.09E-08	1.29E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2506	481116.8	3768725.87	1.105E-07	4.99E-08	0.00E+00	1.60E-07	1.09E-07	7.25E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.24E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
2507	481061.08	3768716.23	1.282E-07	5.78E-08	0.00E+00	1.86E-07	1.27E-07	8.41E-08	0.00E+00	2.11E-07	2.33E-08	1.43E-08	0.00E+00	3.76E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2508	481053.74	3768711.03	1.336E-07	6.03E-08	0.00E+00	1.94E-07	1.32E-07	8.77E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.36E-08	1.29E-08	0.00E+00	2.64E-08
2509	481046.41	3768705.82	1.389E-07	6.26E-08	0.00E+00	2.02E-07	1.37E-07	9.11E-08	0.00E+00	2.29E-07	2.52E-08	1.55E-08	0.00E+00	4.08E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
2510	481039.07	3768700.61	1.44E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.45E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2511	481024.4	3768690.2	1.532E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
2512	481017.06	3768684.99	1.572E-07	7.09E-08	0.00E+00	2.28E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.61E-08	1.59E-08	1.52E-08	0.00E+00	3.11E-08
2513	481009.73	3768679.79	1.609E-07	7.26E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2514	481002.39	3768674.58	1.642E-07	7.41E-08	0.00E+00	2.38E-07	1.62E-07	1.08E-07	0.00E+00	2.70E-07	2.98E-08	1.84E-08	0.00E+00	4.82E-08	1.67E-08	1.58E-08	0.00E+00	3.25E-08
2515	480995.06	3768669.37	1.671E-07	7.54E-08	0.00E+00	2.42E-07	1.65E-07	1.10E-07	0.00E+00	2.75E-07	3.04E-08	1.87E-08	0.00E+00	4.90E-08	1.70E-08	1.61E-08	0.00E+00	3.31E-08
2516	480980.38	3768658.96	1.716E-07	7.74E-08	0.00E+00	2.49E-07	1.70E-07	1.13E-07	0.00E+00	2.82E-07	3.12E-08	1.92E-08	0.00E+00	5.04E-08	1.74E-08	1.66E-08	0.00E+00	3.40E-08
2517	480973.05	3768653.75	1.732E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.15E-08	1.94E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
2518	480965.71	3768648.54	1.744E-07	7.86E-08	0.00E+00	2.53E-07	1.73E-07	1.14E-07	0.00E+00	2.87E-07	3.17E-08	1.95E-08	0.00E+00	5.12E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
2519	480958.37	3768643.34	1.75E-07	7.89E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.96E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
2520	480943.7	3768632.92	1.75E-07	7.89E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.96E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
2521	480933.63	3768619.15	1.768E-07	7.97E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.21E-08	1.98E-08	0.00E+00	5.19E-08	1.79E-08	1.71E-08	0.00E+00	3.50E-08
2522	480930.89	3768610.58	1.786E-07	8.05E-08	0.00E+00	2.59E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.24E-08	2.00E-08	0.00E+00	5.24E-08	1.81E-08	1.72E-08	0.00E+00	3.53E-08
2523	480925.41	3768593.44	1.805E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.18E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
2524	480922.67	3768584.87	1.806E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
2525	480917.19	3768567.73	1.791E-07	8.08E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.25E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.54E-08
2526	480911.71	3768550.6	1.754E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2527	480906.23	3768533.46	1.698E-07	7.66E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
2528	480900.75	3768516.32	1.623E-07	7.32E-08	0.00E+00	2.35E-07	1.61E-07	1.06E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08
2529	480895.27	3768499.18	1.533E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.03E-08
2530	480892.53	3768490.61	1.484E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.74E-08	0.00E+00	2.44E-07	2.70E-08	1.66E-08	0.00E+00	4.35E-08	1.51E-08	1.43E-08	0.00E+00	2.94E-08
2531	481068.42	3768721.44	1.226E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
2532	481077.52	3768724.21	1.189E-07	5.36E-08	0.00E+00	1.72E-07	1.18E-07	7.80E-08	0.00E+00	1.96E-07	2.16E-08	1.33E-08	0.00E+00	3.49E-08	1.21E-08	1.15E-08	0.00E+00	2.35E-08
2533	481086.63	3768726.98	1.15E-07	5.18E-08	0.00E+00	1.67E-07	1.14E-07	7.54E-08	0.00E+00	1.89E-07	2.09E-08	1.28E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2534	481095.73	3768729.75	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2535	481104.84	3768732.52	1.068E-07	4.82E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.94E-08	1.19E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
2536	481113.94	3768735.29	1.025E-07	4.62E-08	0.00E+00	1.49E-07	1.01E-07	6.73E-08	0.00E+00	1.69E-07	1.86E-08	1.15E-08	0.00E+00	3.01E-08	1.04E-08	9.89E-09	0.00E+00	2.03E-08
2537	481057.94	3768725.45	1.201E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.88E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.52E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
2538	481050.32	3768720.04	1.256E-07	5.66E-08	0.00E+00	1.82E-07	1.24E-07	8.24E-08	0.00E+00	2.07E-07	2.28E-08	1.40E-08	0.00E+00	3.69E-08	1.27E-08	1.21E-08	0.00E+00	2.49E-08
2539	481042.7	3768714.63	1.309E-07	5.90E-08	0.00E+00	1.90E-07	1.30E-07	8.59E-08	0.00E+00	2.15E-07	2.38E-08	1.46E-08	0.00E+00	3.84E-08	1.33E-08	1.26E-08	0.00E+00	2.59E-08
2540	481035.08	3768709.23	1.36E-07	6.13E-08	0.00E+00	1.97E-07	1.35E-07	8.93E-08	0.00E+00	2.24E-07	2.47E-08	1.52E-08	0.00E+00	3.99E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
2541	481027.46	3768703.82	1.409E-07	6.35E-08	0.00E+00	2.04E-07	1.39E-07	9.25E-08	0.00E+00	2.32E-07	2.56E-08	1.57E-08	0.00E+00	4.13E-08	1.43E-08	1.36E-08	0.00E+00	2.79E-08
2542	481019.84	3768698.41	1.454E-07	6.56E-08	0.00E+00	2.11E-07	1.44E-07	9.54E-08	0.00E+00	2.39E-07	2.64E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2543	481012.23	3768693	1.497E-07	6.75E-08	0.00E+00	2.17E-07	1.48E-07	9.82E-08	0.00E+00	2.46E-07	2.72E-08	1.67E-08	0.00E+00	4.39E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
2544	481004.61	3768687.6	1.535E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2545	480996.99	3768682.19	1.57E-07	7.08E-08	0.00E+00	2.28E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.61E-08	1.59E-08	1.51E-08	0.00E+00	3.11E-08
2546	480989.37	3768676.78	1.601E-07	7.22E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.91E-08	1.79E-08	0.00E+00	4.70E-08	1.62E-08	1.54E-08	0.00E+00	3.17E-08
2547	480981.75	3768671.37	1.627E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2548	480974.13	3768665.97	1.65E-07	7.44E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	3.00E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2549	480966.52	3768660.56	1.667E-07	7.52E-08	0.00E+00	2.42E-07	1.65E-07	1.09E-07	0.00E+00	2.74E-07	3.03E-08	1.86E-08	0.00E+00	4.89E-08	1.69E-08	1.61E-08	0.00E+00	3.30E-08
2550	480958.9	3768655.15	1.68E-07	7.57E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
2551	480951.28	3768649.75	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
2552	480943.66	3768644.34	1.692E-07	7.63E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
2553	480936.04	3768638.93	1.692E-07	7.63E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
2554	480925.58	3768624.63	1.713E-07	7.72E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.82E-07	3.11E-08	1.91E-08	0.00E+00	5.03E-08	1.74E-08	1.65E-08	0.00E+00	3.39E-08
2555	480922.74	3768615.73	1.732E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.15E-08	1.94E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
2556	480919.89	3768606.83	1.746E-07	7.87E-08	0.00E+00	2.53E-07	1.73E-07	1.15E-07	0.00E+00	2.87E-07	3.17E-08	1.95E-08	0.00E+00	5.12E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
2557	480917.05	3768597.93	1.753E-07	7.91E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.14E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2558	480914.2	3768589.03	1.755E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2559	480911.36	3768580.13	1.751E-07	7.90E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.96E-08	0.00E+00	5.14E-08	1.78E-08	1.69E-08	0.00E+00	3.46E-08
2560	480908.51	3768571.23	1.741E-07	7.85E-08	0.00E+00	2.53E-07	1.72E-07	1.14E-07	0.00E+00	2.87E-07	3.16E-08	1.95E-08	0.00E+00	5.11E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
2561	480905.67	3768562.34	1.726E-07	7.79E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
2562	480902.82	3768553.44	1.706E-07	7.69E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.81E-07	3.10E-08	1.91E-08	0.00E+00	5.01E-08	1.73E-08	1.65E-08	0.00E+00	3.38E-08
2563	480899.98	3768544.54	1.681E-07	7.58E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.77E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.71E-08	1.62E-08	0.00E+00	3.33E-08
2564	480897.13	3768535.64	1.651E-07	7.44E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.72E-07	3.00E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.27E-08
2565	480894.29	3768526.74	1.616E-07	7.29E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.94E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
2566	480891.44	3768517.84	1.576E-07	7.11E-08	0.00E+00	2.29E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.12E-08
2567	480888.6	3768508.95	1.534E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.03E-08
2568	480885.75	3768500.05	1.488E-07	6.71E-08	0.00E+00	2.16E-07	1.47E-07	9.76E-08	0.00E+00	2.45E-07	2.70E-08	1.66E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.94E-08
2569	480882.91	3768491.15	1.439E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.44E-08	0.00E+00	2.37E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2570	480880.06	3768482.25	1.387E-07	6.26E-08	0.00E+00	2.01E-07	1.37E-07	9.10E-08	0.00E+00	2.28E-07	2.52E-08	1.55E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
2571	481065.55	3768730.85	1.145E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.52E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.27E-08
2572	481074.66	3768733.62	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.25E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
2573	481055.21	3768734.96	1.123E-07	5.06E-08	0.00E+00	1.63E-07	1.11E-07	7.37E-08	0.00E+00	1.85E-07	2.04E-08	1.26E-08	0.00E+00	3.30E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
2574	481047.72	3768729.64	1.175E-07	5.30E-08	0.00E+00	1.70E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
2575	481040.24	3768724.33	1.226E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
2576	481032.75	3768719.02	1.275E-07	5.75E-08	0.00E+00	1.85E-07	1.26E-07	8.37E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.74E-08	1.29E-08	1.23E-08	0.00E+00	2.52E-08
2577	481025.27	3768713.71	1.322E-07	5.96E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
2578	481017.78	3768708.39	1.367E-07	6.17E-08	0.00E+00	1.98E-07	1.35E-07	8.97E-08	0.00E+00	2.25E-07	2.48E-08	1.53E-08	0.00E+00	4.01E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
2579	481010.3	3768703.08	1.409E-07	6.36E-08	0.00E+00	2.04E-07	1.39E-07	9.25E-08	0.00E+00	2.32E-07	2.56E-08	1.57E-08	0.00E+00	4.14E-08	1.43E-08	1.36E-08	0.00E+00	2.79E-08
2580	481002.81	3768697.77	1.448E-07	6.53E-08	0.00E+00	2.10E-07	1.43E-07	9.50E-08	0.00E+00	2.38E-07	2.63E-08	1.62E-08	0.00E+00	4.25E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2581	480995.33	3768692.46	1.484E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.74E-08	0.00E+00	2.44E-07	2.70E-08	1.66E-08	0.00E+00	4.36E-08	1.51E-08	1.43E-08	0.00E+00	2.94E-08
2582	480987.85	3768687.14	1.517E-07	6.84E-08	0.00E+00	2.20E-07	1.50E-07	9.95E-08	0.00E+00	2.50E-07	2.76E-08	1.70E-08	0.00E+00	4.45E-08	1.54E-08	1.46E-08	0.00E+00	3.00E-08
2583	480980.36	3768681.83	1.546E-07	6.97E-08	0.00E+00	2.24E-07	1.53E-07	1.01E-07	0.00E+00	2.54E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
2584	480972.88	3768676.52	1.571E-07	7.09E-08	0.00E+00	2.28E-07	1.55E-07	1.03E-07	0.00E+00	2.59E-07	2.85E-08	1.76E-08	0.00E+00	4.61E-08	1.59E-08	1.52E-08	0.00E+00	3.11E-08
2585	480965.39	3768671.21	1.592E-07	7.18E-08	0.00E+00	2.31E-07	1.58E-07	1.04E-07	0.00E+00	2.62E-07	2.89E-08	1.78E-08	0.00E+00	4.67E-08	1.61E-08	1.54E-08	0.00E+00	3.15E-08
2586	480957.91	3768665.89	1.609E-07	7.26E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2587	480950.42	3768660.58	1.621E-07	7.31E-08	0.00E+00	2.35E-07	1.60E-07	1.06E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.64E-08	1.56E-08	0.00E+00	3.21E-08
2588	480942.94	3768655.27	1.63E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.23E-08
2589	480935.45	3768649.96	1.635E-07	7.37E-08	0.00E+00	2.37E-07	1.62E-07	1.07E-07	0.00E+00	2.69E-07	2.97E-08	1.83E-08	0.00E+00	4.80E-08	1.66E-08	1.58E-08	0.00E+00	3.24E-08
2590	480927.97	3768644.64	1.636E-07	7.38E-08	0.00E+00	2.37E-07	1.62E-07	1.07E-07	0.00E+00	2.69E-07	2.97E-08	1.83E-08	0.00E+00	4.80E-08	1.66E-08	1.58E-08	0.00E+00	3.24E-08
2591	480917.69	3768630.59	1.659E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
2592	480914.89	3768621.85	1.679E-07	7.57E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
2593	480912.1	3768613.11	1.693E-07	7.64E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.89E-08	0.00E+00	4.97E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
2594	480909.3	3768604.36	1.702E-07	7.68E-08	0.00E+00	2.47E-07	1.68E-07	1.12E-07	0.00E+00	2.80E-07	3.09E-08	1.90E-08	0.00E+00	5.00E-08	1.73E-08	1.64E-08	0.00E+00	3.37E-08
2595	480906.51	3768595.62	1.706E-07	7.69E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.81E-07	3.10E-08	1.91E-08	0.00E+00	5.01E-08	1.73E-08	1.65E-08	0.00E+00	3.38E-08
2596	480900.92	3768578.14	1.699E-07	7.66E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.80E-07	3.09E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
2597	480898.12	3768569.39	1.687E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
2598	480895.33	3768560.65	1.671E-07	7.53E-08	0.00E+00	2.42E-07	1.65E-07	1.10E-07	0.00E+00	2.75E-07	3.04E-08	1.87E-08	0.00E+00	4.90E-08	1.69E-08	1.61E-08	0.00E+00	3.31E-08
2599	480892.53	3768551.91	1.65E-07	7.44E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	3.00E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2600	480889.74	3768543.17	1.624E-07	7.32E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.77E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08

2623	480920.29	3768650.64	1.584E-07	7.14E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.13E-08
2624	480909.65	3768636.09	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2625	480906.75	3768627.03	1.629E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2626	480903.86	3768617.98	1.645E-07	7.42E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.83E-08	1.67E-08	1.59E-08	0.00E+00	3.25E-08
2627	480900.96	3768608.92	1.655E-07	7.46E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.72E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.27E-08
2628	480898.07	3768599.87	1.66E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.02E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
2629	480895.17	3768590.81	1.659E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
2630	480892.28	3768581.76	1.654E-07	7.46E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.72E-07	3.00E-08	1.85E-08	0.00E+00	4.85E-08	1.68E-08	1.60E-08	0.00E+00	3.27E-08
2631	480889.38	3768572.7	1.643E-07	7.41E-08	0.00E+00	2.38E-07	1.63E-07	1.08E-07	0.00E+00	2.70E-07	2.99E-08	1.84E-08	0.00E+00	4.82E-08	1.67E-08	1.59E-08	0.00E+00	3.25E-08
2632	480886.49	3768563.65	1.627E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2633	480883.59	3768554.6	1.606E-07	7.24E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	2.92E-08	1.80E-08	0.00E+00	4.71E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2634	480880.7	3768545.54	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
2635	480877.8	3768536.49	1.551E-07	6.99E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.82E-08	1.73E-08	0.00E+00	4.55E-08	1.57E-08	1.50E-08	0.00E+00	3.07E-08
2636	480874.91	3768527.43	1.517E-07	6.84E-08	0.00E+00	2.20E-07	1.50E-07	9.95E-08	0.00E+00	2.50E-07	2.76E-08	1.70E-08	0.00E+00	4.45E-08	1.54E-08	1.46E-08	0.00E+00	3.00E-08
2637	480872.01	3768518.38	1.479E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.71E-08	0.00E+00	2.43E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2638	480869.12	3768509.32	1.439E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.44E-08	0.00E+00	2.37E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2639	480866.22	3768500.27	1.395E-07	6.29E-08	0.00E+00	2.02E-07	1.38E-07	9.15E-08	0.00E+00	2.30E-07	2.53E-08	1.56E-08	0.00E+00	4.09E-08	1.41E-08	1.35E-08	0.00E+00	2.76E-08
2640	480863.33	3768491.21	1.348E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2641	480860.44	3768482.16	1.299E-07	5.86E-08	0.00E+00	1.88E-07	1.29E-07	8.52E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.81E-08	1.32E-08	1.25E-08	0.00E+00	2.57E-08
2642	481096.25	3768760.76	8.597E-08	3.88E-08	0.00E+00	1.25E-07	8.51E-08	5.64E-08	0.00E+00	1.41E-07	1.56E-08	9.61E-09	0.00E+00	2.52E-08	8.72E-09	8.29E-09	0.00E+00	1.70E-08
2643	481105.35	3768763.52	8.233E-08	3.71E-08	0.00E+00	1.19E-07	8.15E-08	5.40E-08	0.00E+00	1.35E-07	1.50E-08	9.20E-09	0.00E+00	2.42E-08	8.35E-09	7.94E-09	0.00E+00	1.63E-08
2644	481114.46	3768766.29	7.867E-08	3.55E-08	0.00E+00	1.14E-07	7.78E-08	5.16E-08	0.00E+00	1.29E-07	1.43E-08	8.79E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
2645	481018.88	3768732.06	1.175E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
2646	481011.26	3768726.65	1.219E-07	5.50E-08	0.00E+00	1.77E-07	1.21E-07	8.00E-08	0.00E+00	2.01E-07	2.22E-08	1.36E-08	0.00E+00	3.58E-08	1.24E-08	1.18E-08	0.00E+00	2.41E-08
2647	481003.64	3768721.24	1.262E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.28E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2648	480996.02	3768715.84	1.302E-07	5.87E-08	0.00E+00	1.89E-07	1.29E-07	8.54E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.82E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
2649	480988.4	3768710.43	1.339E-07	6.04E-08	0.00E+00	1.94E-07	1.33E-07	8.79E-08	0.00E+00	2.20E-07	2.43E-08	1.50E-08	0.00E+00	3.93E-08	1.36E-08	1.29E-08	0.00E+00	2.65E-08
2650	480980.78	3768705.02	1.374E-07	6.20E-08	0.00E+00	1.99E-07	1.36E-07	9.02E-08	0.00E+00	2.26E-07	2.50E-08	1.54E-08	0.00E+00	4.03E-08	1.39E-08	1.33E-08	0.00E+00	2.72E-08
2651	480973.17	3768699.61	1.406E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.23E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.13E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
2652	480965.55	3768694.21	1.434E-07	6.47E-08	0.00E+00	2.08E-07	1.42E-07	9.41E-08	0.00E+00	2.36E-07	2.61E-08	1.60E-08	0.00E+00	4.21E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
2653	480957.93	3768688.8	1.459E-07	6.58E-08	0.00E+00	2.12E-07	1.44E-07	9.57E-08	0.00E+00	2.40E-07	2.65E-08	1.63E-08	0.00E+00	4.28E-08	1.48E-08	1.41E-08	0.00E+00	2.89E-08
2654	480950.31	3768683.39	1.48E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.71E-08	0.00E+00	2.44E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2655	480942.69	3768677.99	1.498E-07	6.75E-08	0.00E+00	2.17E-07	1.48E-07	9.83E-08	0.00E+00	2.46E-07	2.72E-08	1.67E-08	0.00E+00	4.39E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
2656	480935.07	3768672.58	1.512E-07	6.82E-08	0.00E+00	2.19E-07	1.50E-07	9.92E-08	0.00E+00	2.49E-07	2.75E-08	1.69E-08	0.00E+00	4.44E-08	1.53E-08	1.46E-08	0.00E+00	2.99E-08
2657	480927.46	3768667.17	1.523E-07	6.87E-08	0.00E+00	2.21E-07	1.51E-07	9.99E-08	0.00E+00	2.51E-07	2.77E-08	1.70E-08	0.00E+00	4.47E-08	1.54E-08	1.47E-08	0.00E+00	3.01E-08
2658	480919.84	3768661.76	1.53E-07	6.90E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
2659	480912.22	3768656.36	1.533E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.03E-08
2660	480901.76	3768642.05	1.558E-07	7.03E-08	0.00E+00	2.26E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	2.83E-08	1.74E-08	0.00E+00	4.57E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
2661	480898.91	3768633.15	1.579E-07	7.12E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.76E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.13E-08
2662	480896.07	3768624.25	1.596E-07	7.20E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.90E-08	1.78E-08	0.00E+00	4.68E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
2663	480893.22	3768615.36	1.607E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2664	480890.38	3768606.46	1.614E-07	7.28E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.93E-08	1.80E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2665	480887.53	3768597.56	1.616E-07	7.29E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.94E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
2666	480884.69	3768588.66	1.613E-07	7.27E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.65E-07	2.93E-08	1.80E-08	0.00E+00	4.73E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2667	480881.84	3768579.76	1.605E-07	7.24E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	2.92E-08	1.79E-08	0.00E+00	4.71E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2668	480879	3768570.86	1.593E-07	7.18E-08	0.00E+00	2.31E-07	1.58E-07	1.05E-07	0.00E+00	2.62E-07	2.89E-08	1.78E-08	0.00E+00	4.67E-08	1.62E-08	1.54E-08	0.00E+00	3.15E-08
2669	480876.15	3768561.96	1.576E-07	7.11E-08	0.00E+00	2.29E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.12E-08
2670	480873.31	3768553.07	1.554E-07	7.01E-08	0.00E+00	2.25E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	2.82E-08	1.74E-08	0.00E+00	4.56E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
2671	480870.46	3768544.17	1.528E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
2672	480867.62	3768535.27	1.499E-07	6.76E-08	0.00E+00	2.17E-07	1.48E-07	9.84E-08	0.00E+00	2.47E-07	2.72E-08	1.68E-08	0.00E+00	4.40E-08	1.52E-08	1.45E-08	0.00E+00	2.97E-08
2673	480864.77	3768526.37	1.466E-07	6.61E-08	0.00E+00	2.13E-07	1.45E-07	9.62E-08	0.00E+00	2.41E-07	2.66E-08	1.64E-08	0.00E+00	4.30E-08	1.49E-08	1.41E-08	0.00E+00	2.90E-08
2674	480861.93	3768517.47	1.43E-07	6.45E-08	0.00E+00	2.07E-07	1.41E-07	9.38E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
2675	480859.08	3768508.57	1.39E-07	6.27E-08	0.00E+00	2.02E-07	1.38E-07	9.12E-08	0.00E+00	2.29E-07	2.53E-08	1.55E-08	0.00E+00	4.08E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
2676	480856.24	3768499.68	1.348E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2677	480853.39	3768490.78	1.304E-07	5.88E-08	0.00E+00	1.89E-07	1.29E-07	8.55E-08	0.00E+00	2.15E-07	2.37E-08	1.46E-08	0.00E+00	3.83E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
2678	480850.55	3768481.88	1.257E-07	5.67E-08	0.00E+00	1.82E-07	1.24E-07	8.25E-08	0.00E+00	2.07E-07	2.28E-08	1.40E-08	0.00E+00	3.69E-08	1.27E-08	1.21E-08	0.00E+00	2.49E-08
2679	481056.97	3768759.09	9.364E-08	4.22E-08	0.00E+00	1.36E-07	9.27E-08	6.14E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.75E-08	9.50E-09	9.03E-09	0.00E+00	1.85E-08
2680	481066.07	3768761.86	9.036E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.17E-09	8.72E-09	0.00E+00	1.79E-08
2681	481075.18	3768764.63	8.699E-08	3.92E-08	0.00E+00	1.26E-07	8.61E-08	5.71E-08	0.00E+00	1.43E-07	1.58E-08	9.72E-09	0.00E+00	2.55E-08	8.82E-09	8.39E-09	0.00E+00	1.72E-08
2682	481084.28	3768767.4	8.357E-08	3.77E-08	0.00E+00	1.21E-07	8.27E-08	5.48E-08	0.00E+00	1.38E-07	1.52E-08	9.34E-09	0.00E+00	2.45E-08	8.48E-09	8.06E-09	0.00E+00	1.65E-08
2683	481093.39	3768770.17	8.012E-08	3.61E-08	0.00E+00	1.16E-07	7.93E-08	5.26E-08	0.00E+00	1.32E-07	1.46E-08	8.95E-09	0.00E+00	2.35E-08	8.13E-09	7.73E-09	0.00E+00	1.59E-08
2684	481102.49	3768772.94	7.667E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.40E-09	0.00E+00	1.52E-08
2685	481111.6	3768775.71	7.322E-08	3.30E-08	0.00E+00	1.06E-07	7.25E-08	4.80E-08	0.00E+00	1.20E-07	1.33E-08	8.18E-09	0.00E+00	2.15E-08	7.43E-09	7.06E-09	0.00E+00	1.45E-08
2686	481120.7	3768778.48	6.978E-08	3.15E-08	0.00E+00	1.01E-07	6.91E-08	4.58E-08	0.00E+00	1.15E-07	1.27E-08	7.80E-09	0.00E+00	2.05E-08	7.08E-09	6.73E-09	0.00E+00	1.38E-08
2687	481046.61	3768763.19	9.223E-08	4.16E-08	0.00E+00	1.34E-07	9.13E-08	6.05E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.36E-09	8.90E-09	0.00E+00	1.83E-08
2688	481001.62	3768731.26	1.186E-07	5.35E-08	0.00E+00	1.72E-07	1.17E-07	7.79E-08	0.00E+00	1.95E-07	2.16E-08	1.33E-08	0.00E+00	3.48E-08	1.20E-08	1.14E-08	0.00E+00	2.35E-08
2689	480994.13	3768725.94	1.226E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.05E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
2690	480986.63	3768720.61	1.264E-07	5.70E-08	0.00E+00	1.83E-07	1.25E-07	8.29E-08	0.00E+00	2.08E-07	2.30E-08	1.41E-08	0.00E+00	3.71E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2691	480979.13	3768715.29	1.299E-07	5.86E-08	0.00E+00	1.88E-07	1.29E-07	8.52E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.81E-08	1.32E-08	1.25E-08	0.00E+00	2.57E-08
2692	480971.63	3768709.97	1.332E-07	6.01E-08	0.00E+00	1.93E-07	1.32E-07	8.74E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.28E-08	0.00E+00	2.64E-08
2693	480964.14	3768704.65	1.361E-07	6.14E-08	0.00E+00	1.98E-07	1.35E-07	8.93E-08	0.00E+00	2.24E-07	2.47E-08	1.52E-08	0.00E+00	3.99E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
2694	480956.64	3768699.33	1.388E-07	6.26E-08	0.00E+00	2.01E-07	1.37E-07	9.11E-08	0.00E+00	2.28E-07	2.52E-08	1.55E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
2695	480949.14	3768694.01	1.411E-07	6.36E-08	0.00E+00	2.05E-07	1.40E-07	9.26E-08	0.00E+00	2.32E-07	2.56E-08	1.58E-08	0.00E+00	4.14E-08	1.43E-08	1.36E-08	0.00E+00	2.79E-08
2696	480941.64	3768688.69	1.431E-07	6.45E-08	0.00E+00	2.08E-07	1.42E-07	9.39E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
2697	480934.15	3768683.36	1.449E-07	6.53E-08	0.00E+00	2.10E-07	1.43E-07	9.51E-08	0.00E+00	2.38E-07	2.63E-08	1.62E-08	0.00E+00	4.25E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2698	480926.65	3768678.04	1.463E-07	6.60E-08	0.00E+00	2.12E-07	1.45E-07	9.60E-08	0.00E+00	2.41E-07	2.66E-08	1.63E-08	0.00E+00	4.29E-08	1.48E-08	1.41E-08	0.00E+00	2.89E-08
2699	480919.15	3768672.72	1.473E-07	6.64E-08	0.00E+00	2.14E-07	1.46E-07	9.67E-08	0.00E+00	2.42E-07	2.68E-08	1.65E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.92E-08
2700	480911.65	3768667.4	1.481E-07	6.68E-08	0.00E+00	2.15E-07	1.47E-07	9.72E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2701	480904.16	3768662.08	1.485E-07	6.70E-08	0.00E+00	2.15E-07	1.47E-07	9.74E-08	0.00E+00	2.44E-07	2.70E-08	1.66E-08	0.00E+00	4.36E-08	1.51E-08	1.43E-08	0.00E+00	2.94E-08
2702	480893.86	3768648	1.511E-07	6.81E-08	0.00E+00	2.19E-07	1.49E-07	9.91E-08	0.00E+00	2.49E-07	2.74E-08	1.69E-08	0.00E+00	4.43E-08	1.53E-08	1.46E-08	0.00E+00	2.99E-08
2703	480891.06	3768639.24	1.531E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
2704	480888.26	3768630.49	1.548E-07	6.98E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
2705	480885.46	3768621.73	1.561E-07	7.04E-08	0.00E+00	2.27E-07	1.54E-07	1.02E-07	0.00E+00	2.57E-07	2.84E-08	1.74E-08	0.00E+00	4.58E-08	1.58E-08	1.51E-08	0.00E+00	3.09E-08
2706	480882.66	3768612.97	1.569E-07	7.08E-08	0.00E+00	2.28E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.61E-08	1.59E-08	1.51E-08	0.00E+00	3.11E-08
2707	480879.86	3768604.21	1.573E-07	7.10E-08	0.00E+00	2.28E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.11E-08
2708	480877.06	3768595.46	1.573E-07	7.09E-08	0.00E+00	2.28E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.11E-08
2709	480874.26	3768586.7	1.568E-07	7.07E-08	0.00E+00	2.27E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.60E-08	1.59E-08	1.51E-08	0.00E+00	3.10E-08
2710	480871.46	3768577.94	1.558E-07	7.03E-08	0.00E+00	2.26E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	2.83E-08	1.74E-08	0.00E+00	4.57E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
2711	480868.66	3768569.19	1.544E-07	6.96E-08	0.00E+00	2.24E-07	1.53E-07	1.01E-07	0.00E+00	2.54E-07	2.81E-08	1.73E-08	0.00E+00	4.53E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
2712	480865.86	3768560.43	1.526E-07	6.88E-08	0.00E+00	2.21E-07	1.51E-07	1.00E-07	0.00E+00	2.51E-07	2.77E-08	1.71E-08	0.00E+00	4.48E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
2713	480863.06	3768551.67	1.504E-07	6.78E-08	0.00E+00	2.18E-07	1.49E-07	9.87E-08	0.00E+00	2.48E-07	2.73E-08	1.68E-08	0.00E+00	4.41E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
2714	480860.26	3768542.91	1.479E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.70E-08	0.00E+00	2.43E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2715	480857.46	3768534.16	1.45E-07	6.54E-08	0.00E+00	2.10E-07	1.43E-07	9.51E-08	0.00E+00	2.39E-07	2.63E-08	1.62E-08	0.00E+00	4.25E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2716	480854.66	3768525.4	1.418E-07	6.39E-08	0.00E+00	2.06E-07	1.40E-07	9.30E-08	0.00E+00	2.33E-07	2.58E-08	1.58E-08	0.00E+00	4.16E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
2717	480851.86	3768516.64	1.382E-07	6.23E-08	0.00E+00	2.01E-07	1.37E-07	9.07E-08	0.00E+00	2.28E-07	2.51E-08	1.55E-08	0.00E+00	4.06E-08	1.40E-08	1.33E-08	0.00E+00	2.74E-08
2718	480849.06	3768507.88	1.344E-07	6.06E-08	0.00E+00	1.95E-07	1.33E-07	8.82E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.95E-08	1.36E-08	1.30E-08	0.00E+00	2.66E-08
2719

2741	480925.08	3768711.82	1.273E-07	5.74E-08	0.00E+00	1.85E-07	1.26E-07	8.35E-08	0.00E+00	2.09E-07	2.31E-08	1.42E-08	0.00E+00	3.74E-08	1.29E-08	1.23E-08	0.00E+00	2.52E-08
2742	480917.56	3768706.49	1.293E-07	5.83E-08	0.00E+00	1.88E-07	1.28E-07	8.48E-08	0.00E+00	2.13E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.56E-08
2743	480910.04	3768701.15	1.31E-07	5.91E-08	0.00E+00	1.90E-07	1.30E-07	8.60E-08	0.00E+00	2.16E-07	2.38E-08	1.46E-08	0.00E+00	3.84E-08	1.33E-08	1.26E-08	0.00E+00	2.59E-08
2744	480902.52	3768695.81	1.324E-07	5.97E-08	0.00E+00	1.92E-07	1.31E-07	8.69E-08	0.00E+00	2.18E-07	2.41E-08	1.48E-08	0.00E+00	3.89E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
2745	480895	3768690.48	1.336E-07	6.02E-08	0.00E+00	1.94E-07	1.32E-07	8.76E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
2746	480887.48	3768685.14	1.344E-07	6.06E-08	0.00E+00	1.95E-07	1.33E-07	8.82E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.94E-08	1.36E-08	1.30E-08	0.00E+00	2.66E-08
2747	480879.96	3768679.8	1.35E-07	6.09E-08	0.00E+00	1.96E-07	1.34E-07	8.86E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2748	480869.64	3768665.69	1.379E-07	6.22E-08	0.00E+00	2.00E-07	1.36E-07	9.05E-08	0.00E+00	2.27E-07	2.51E-08	1.54E-08	0.00E+00	4.05E-08	1.40E-08	1.33E-08	0.00E+00	2.73E-08
2749	480866.83	3768656.9	1.4E-07	6.32E-08	0.00E+00	2.03E-07	1.39E-07	9.19E-08	0.00E+00	2.30E-07	2.54E-08	1.57E-08	0.00E+00	4.11E-08	1.42E-08	1.35E-08	0.00E+00	2.77E-08
2750	480864.02	3768648.12	1.419E-07	6.40E-08	0.00E+00	2.06E-07	1.40E-07	9.31E-08	0.00E+00	2.33E-07	2.58E-08	1.59E-08	0.00E+00	4.16E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
2751	480861.21	3768639.34	1.434E-07	6.47E-08	0.00E+00	2.08E-07	1.42E-07	9.41E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.21E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
2752	480858.41	3768630.56	1.445E-07	6.52E-08	0.00E+00	2.10E-07	1.43E-07	9.48E-08	0.00E+00	2.38E-07	2.63E-08	1.61E-08	0.00E+00	4.24E-08	1.47E-08	1.39E-08	0.00E+00	2.86E-08
2753	480855.6	3768621.77	1.453E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.53E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2754	480852.79	3768612.99	1.456E-07	6.57E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.40E-07	2.65E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2755	480849.98	3768604.21	1.455E-07	6.56E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.39E-07	2.64E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2756	480847.18	3768595.43	1.451E-07	6.54E-08	0.00E+00	2.10E-07	1.44E-07	9.52E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2757	480844.37	3768586.65	1.442E-07	6.50E-08	0.00E+00	2.09E-07	1.43E-07	9.46E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2758	480841.56	3768577.86	1.431E-07	6.45E-08	0.00E+00	2.08E-07	1.42E-07	9.39E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
2759	480838.75	3768569.08	1.416E-07	6.38E-08	0.00E+00	2.05E-07	1.40E-07	9.29E-08	0.00E+00	2.33E-07	2.57E-08	1.58E-08	0.00E+00	4.15E-08	1.44E-08	1.37E-08	0.00E+00	2.80E-08
2760	480835.94	3768560.3	1.397E-07	6.30E-08	0.00E+00	2.03E-07	1.38E-07	9.17E-08	0.00E+00	2.30E-07	2.54E-08	1.56E-08	0.00E+00	4.10E-08	1.42E-08	1.35E-08	0.00E+00	2.76E-08
2761	480833.14	3768551.52	1.375E-07	6.20E-08	0.00E+00	2.00E-07	1.36E-07	9.03E-08	0.00E+00	2.26E-07	2.50E-08	1.54E-08	0.00E+00	4.04E-08	1.40E-08	1.33E-08	0.00E+00	2.72E-08
2762	480830.33	3768542.74	1.351E-07	6.09E-08	0.00E+00	1.96E-07	1.34E-07	8.86E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2763	480827.52	3768533.95	1.323E-07	5.97E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
2764	480824.71	3768525.17	1.293E-07	5.83E-08	0.00E+00	1.88E-07	1.28E-07	8.48E-08	0.00E+00	2.13E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.56E-08
2765	480821.91	3768516.39	1.26E-07	5.68E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.49E-08
2766	480819.1	3768507.61	1.225E-07	5.52E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.59E-08	1.24E-08	1.18E-08	0.00E+00	2.42E-08
2767	480816.29	3768498.82	1.188E-07	5.36E-08	0.00E+00	1.72E-07	1.18E-07	7.80E-08	0.00E+00	1.96E-07	2.16E-08	1.33E-08	0.00E+00	3.49E-08	1.20E-08	1.15E-08	0.00E+00	2.35E-08
2768	480813.48	3768490.04	1.149E-07	5.18E-08	0.00E+00	1.67E-07	1.14E-07	7.54E-08	0.00E+00	1.89E-07	2.09E-08	1.28E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.27E-08
2769	480810.67	3768481.26	1.11E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2770	481045.38	3768797.21	7.191E-08	3.24E-08	0.00E+00	1.04E-07	7.12E-08	4.72E-08	0.00E+00	1.18E-07	1.31E-08	8.04E-09	0.00E+00	2.11E-08	7.29E-09	6.94E-09	0.00E+00	1.42E-08
2771	481054.48	3768799.98	6.915E-08	3.12E-08	0.00E+00	1.00E-07	6.84E-08	4.54E-08	0.00E+00	1.14E-07	1.26E-08	7.73E-09	0.00E+00	2.03E-08	7.01E-09	6.67E-09	0.00E+00	1.37E-08
2772	481063.59	3768802.75	6.638E-08	2.99E-08	0.00E+00	9.63E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.42E-09	0.00E+00	1.95E-08	6.73E-09	6.40E-09	0.00E+00	1.31E-08
2773	481072.69	3768805.52	6.36E-08	2.87E-08	0.00E+00	9.23E-08	6.29E-08	4.17E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
2774	481081.8	3768808.28	6.083E-08	2.74E-08	0.00E+00	8.83E-08	6.02E-08	3.99E-08	0.00E+00	1.00E-07	1.11E-08	6.80E-09	0.00E+00	1.79E-08	6.17E-09	5.87E-09	0.00E+00	1.20E-08
2775	481090.9	3768811.05	5.809E-08	2.62E-08	0.00E+00	8.43E-08	5.75E-08	3.81E-08	0.00E+00	9.56E-08	1.06E-08	6.49E-09	0.00E+00	1.70E-08	5.89E-09	5.60E-09	0.00E+00	1.15E-08
2776	481100.01	3768813.82	5.541E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.64E-08	0.00E+00	9.12E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.35E-09	0.00E+00	1.10E-08
2777	481109.11	3768816.59	5.277E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
2778	481118.22	3768819.36	5.019E-08	2.26E-08	0.00E+00	7.28E-08	4.97E-08	3.29E-08	0.00E+00	8.26E-08	9.12E-09	5.61E-09	0.00E+00	1.47E-08	5.09E-09	4.84E-09	0.00E+00	9.93E-09
2779	481029.11	3768820.56	6.269E-08	2.83E-08	0.00E+00	9.10E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.36E-09	6.05E-09	0.00E+00	1.24E-08
2780	481021.57	3768815.21	6.607E-08	2.98E-08	0.00E+00	9.59E-08	6.54E-08	4.34E-08	0.00E+00	1.09E-07	1.20E-08	7.38E-09	0.00E+00	1.94E-08	6.70E-09	6.37E-09	0.00E+00	1.31E-08
2781	481014.04	3768809.86	6.95E-08	3.13E-08	0.00E+00	1.01E-07	6.88E-08	4.56E-08	0.00E+00	1.14E-07	1.26E-08	7.77E-09	0.00E+00	2.04E-08	7.05E-09	6.70E-09	0.00E+00	1.38E-08
2782	481006.5	3768804.51	7.297E-08	3.29E-08	0.00E+00	1.06E-07	7.22E-08	4.79E-08	0.00E+00	1.20E-07	1.33E-08	8.16E-09	0.00E+00	2.14E-08	7.40E-09	7.04E-09	0.00E+00	1.44E-08
2783	480998.96	3768799.16	7.647E-08	3.45E-08	0.00E+00	1.11E-07	7.57E-08	5.02E-08	0.00E+00	1.26E-07	1.39E-08	8.55E-09	0.00E+00	2.24E-08	7.76E-09	7.38E-09	0.00E+00	1.51E-08
2784	480991.43	3768793.82	7.999E-08	3.61E-08	0.00E+00	1.16E-07	7.92E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.94E-09	0.00E+00	2.35E-08	8.11E-09	7.72E-09	0.00E+00	1.58E-08
2785	480983.89	3768788.47	8.35E-08	3.77E-08	0.00E+00	1.21E-07	8.26E-08	5.48E-08	0.00E+00	1.37E-07	1.52E-08	9.33E-09	0.00E+00	2.45E-08	8.47E-09	8.06E-09	0.00E+00	1.65E-08
2786	480976.35	3768783.12	8.698E-08	3.92E-08	0.00E+00	1.26E-07	8.61E-08	5.71E-08	0.00E+00	1.43E-07	1.58E-08	9.72E-09	0.00E+00	2.55E-08	8.82E-09	8.39E-09	0.00E+00	1.72E-08
2787	480968.82	3768777.77	9.04E-08	4.08E-08	0.00E+00	1.31E-07	8.95E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.17E-09	8.72E-09	0.00E+00	1.79E-08
2788	480961.28	3768772.42	9.372E-08	4.23E-08	0.00E+00	1.36E-07	9.27E-08	6.15E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.75E-08	9.51E-09	9.04E-09	0.00E+00	1.85E-08
2789	480953.74	3768767.07	9.694E-08	4.37E-08	0.00E+00	1.41E-07	9.59E-08	6.36E-08	0.00E+00	1.60E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.83E-09	9.35E-09	0.00E+00	1.92E-08
2790	480946.21	3768761.72	1E-07	4.51E-08	0.00E+00	1.45E-07	9.90E-08	6.56E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.01E-08	9.65E-09	0.00E+00	1.98E-08
2791	480908.52	3768734.97	1.134E-07	5.11E-08	0.00E+00	1.64E-07	1.12E-07	7.44E-08	0.00E+00	1.87E-07	2.06E-08	1.27E-08	0.00E+00	3.33E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
2792	480900.99	3768729.62	1.155E-07	5.21E-08	0.00E+00	1.68E-07	1.14E-07	7.58E-08	0.00E+00	1.90E-07	2.10E-08	1.29E-08	0.00E+00	3.39E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2793	480893.45	3768724.27	1.173E-07	5.29E-08	0.00E+00	1.70E-07	1.16E-07	7.70E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.44E-08	1.19E-08	1.13E-08	0.00E+00	2.32E-08
2794	480885.91	3768718.92	1.19E-07	5.36E-08	0.00E+00	1.73E-07	1.18E-07	7.81E-08	0.00E+00	1.96E-07	2.16E-08	1.33E-08	0.00E+00	3.49E-08	1.21E-08	1.15E-08	0.00E+00	2.35E-08
2795	480878.38	3768713.58	1.204E-07	5.43E-08	0.00E+00	1.75E-07	1.19E-07	7.90E-08	0.00E+00	1.98E-07	2.19E-08	1.35E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
2796	480870.84	3768708.23	1.216E-07	5.48E-08	0.00E+00	1.76E-07	1.20E-07	7.98E-08	0.00E+00	2.00E-07	2.21E-08	1.36E-08	0.00E+00	3.57E-08	1.23E-08	1.17E-08	0.00E+00	2.41E-08
2797	480863.3	3768702.88	1.226E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.05E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
2798	480855.77	3768697.53	1.234E-07	5.56E-08	0.00E+00	1.79E-07	1.22E-07	8.10E-08	0.00E+00	2.03E-07	2.24E-08	1.38E-08	0.00E+00	3.62E-08	1.25E-08	1.19E-08	0.00E+00	2.44E-08
2799	480845.42	3768683.38	1.263E-07	5.70E-08	0.00E+00	1.83E-07	1.25E-07	8.29E-08	0.00E+00	2.08E-07	2.30E-08	1.41E-08	0.00E+00	3.71E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2800	480842.6	3768674.57	1.285E-07	5.79E-08	0.00E+00	1.86E-07	1.27E-07	8.43E-08	0.00E+00	2.11E-07	2.33E-08	1.44E-08	0.00E+00	3.77E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2801	480839.79	3768665.77	1.304E-07	5.88E-08	0.00E+00	1.89E-07	1.29E-07	8.55E-08	0.00E+00	2.15E-07	2.37E-08	1.46E-08	0.00E+00	3.83E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
2802	480836.97	3768656.97	1.319E-07	5.95E-08	0.00E+00	1.91E-07	1.31E-07	8.66E-08	0.00E+00	2.17E-07	2.40E-08	1.47E-08	0.00E+00	3.87E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
2803	480834.16	3768648.16	1.332E-07	6.01E-08	0.00E+00	1.93E-07	1.32E-07	8.74E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
2804	480831.34	3768639.36	1.342E-07	6.05E-08	0.00E+00	1.95E-07	1.33E-07	8.81E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.94E-08	1.36E-08	1.29E-08	0.00E+00	2.66E-08
2805	480828.53	3768630.56	1.349E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2806	480825.72	3768621.75	1.352E-07	6.10E-08	0.00E+00	1.96E-07	1.34E-07	8.87E-08	0.00E+00	2.22E-07	2.46E-08	1.51E-08	0.00E+00	3.97E-08	1.37E-08	1.30E-08	0.00E+00	2.68E-08
2807	480822.9	3768612.95	1.352E-07	6.10E-08	0.00E+00	1.96E-07	1.34E-07	8.87E-08	0.00E+00	2.22E-07	2.46E-08	1.51E-08	0.00E+00	3.97E-08	1.37E-08	1.30E-08	0.00E+00	2.68E-08
2808	480820.09	3768604.15	1.348E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2809	480817.27	3768595.34	1.342E-07	6.05E-08	0.00E+00	1.95E-07	1.33E-07	8.81E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.94E-08	1.36E-08	1.29E-08	0.00E+00	2.66E-08
2810	480814.46	3768586.54	1.332E-07	6.01E-08	0.00E+00	1.93E-07	1.32E-07	8.74E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
2811	480811.64	3768577.74	1.319E-07	5.95E-08	0.00E+00	1.91E-07	1.31E-07	8.66E-08	0.00E+00	2.17E-07	2.40E-08	1.47E-08	0.00E+00	3.87E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
2812	480808.83	3768568.93	1.303E-07	5.88E-08	0.00E+00	1.89E-07	1.29E-07	8.55E-08	0.00E+00	2.14E-07	2.37E-08	1.46E-08	0.00E+00	3.82E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
2813	480806.01	3768560.13	1.284E-07	5.79E-08	0.00E+00	1.86E-07	1.27E-07	8.43E-08	0.00E+00	2.11E-07	2.33E-08	1.44E-08	0.00E+00	3.77E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2814	480803.2	3768551.33	1.262E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.28E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2815	480800.38	3768542.52	1.238E-07	5.58E-08	0.00E+00	1.80E-07	1.23E-07	8.12E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.26E-08	1.19E-08	0.00E+00	2.45E-08
2816	480797.57	3768533.72	1.212E-07	5.46E-08	0.00E+00	1.76E-07	1.20E-07	7.95E-08	0.00E+00	1.99E-07	2.20E-08	1.35E-08	0.00E+00	3.56E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
2817	480794.76	3768524.92	1.183E-07	5.34E-08	0.00E+00	1.72E-07	1.17E-07	7.76E-08	0.00E+00	1.95E-07	2.15E-08	1.32E-08	0.00E+00	3.47E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
2818	480791.94	3768516.12	1.153E-07	5.20E-08	0.00E+00	1.67E-07	1.14E-07	7.56E-08	0.00E+00	1.90E-07	2.09E-08	1.29E-08	0.00E+00	3.38E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2819	480789.13	3768507.31	1.121E-07	5.05E-08	0.00E+00	1.63E-07	1.11E-07	7.35E-08	0.00E+00	1.84E-07	2.04E-08	1.25E-08	0.00E+00	3.29E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
2820	480786.31	3768498.51	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.13E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
2821	480783.5	3768489.71	1.052E-07	4.74E-08	0.00E+00	1.53E-07	1.04E-07	6.90E-08	0.00E+00	1.73E-07	1.91E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.01E-08	0.00E+00	2.08E-08
2822	480780.68	3768480.9	1.016E-07	4.58E-08	0.00E+00	1.47E-07	1.01E-07	6.67E-08	0.00E+00	1.67E-07	1.85E-08	1.14E-08	0.00E+00	2.98E-08	1.03E-08	9.80E-09	0.00E+00	2.01E-08
2823	481036.65	3768825.91	5.937E-08	2.68E-08	0.00E+00	8.61E-08	5.88E-08	3.90E-08	0.00E+00	9.77E-08	1.08E-08	6.64E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
2824	481045.75	3768828.68	5.7E-08	2.57E-08	0.00E+00	8.27E-08	5.64E-08	3.74E-08	0.00E+00	9.38E-08	1.04E-08	6.37E-09	0.00E+00	1.67E-08	5.78E-09	5.50E-09	0.00E+00	1.13E-08
2825	481054.86	3768831.45	5.464E-08	2.46E-08	0.00E+00	7.93E-08	5.41E-08	3.59E-08	0.00E+00	8.99E-08	9.93E-09	6.11E-09	0.00E+00	1.60E-08	5.54E-09	5.27E-09	0.00E+00	1.08E-08
2826	481063.96	3768834.22	5.23E-08	2.36E-08	0.00E+00	7.59E-08	5.17E-08	3.43E-08	0.00E+00	8.61E-08	9.50E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
2827	481073.07	3768836.99	4.999E-08	2.25E-08	0.00E+00	7.25E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.08E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.89E-09
2828	481082.17	3768839.76	4.773E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.45E-09
2829	481091.28	3768842.52	4.551E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
2830	481100.38	3768845.29	4.336E-08	1.96E-08	0.00E+00	6.29E-08	4.29E-08	2.84E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.58E-09
2831	481109.49	3768848.06	4.125E-08	1.86E-08	0.00E+00	5.99E-08	4.08E-08	2.71E-08	0.00E+00	6.79E-08	7.50E-09	4.61E-09	0.00E+00	1.21E-08	4.18E-09	3.98E-09	0.00E+00	8.16E-09
2832	481020.37	3768849.25	5.213E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.58E-08	9.47E-09	5.83E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
2833	481012.82	3768843.89	5.499E-08	2.48E-08	0.00E+00	7.98E-08	5.44E-08	3.61E-08	0.00E+00	9.05E-08	9.99E-09	6.15E-09	0.00E+00	1.61E-08	5.58E-09	5.30E-09	0.00E+00	1.09E-08
2834	481005.26	3768838.53	5.792E-08	2.61E-08	0.00E+00	8.40E-08	5.73E-08	3.80E-08	0.00E+00	9.53E-08	1.05E-08	6.47E-09	0.00E+00	1.70E-08	5.88E-09	5.59E-09	0.00E+00	1.15E-08
2835	480997.71	3768833.17	6.091E-08	2.75E-08	0.00E+00	8.84E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.88E-09	0.00E+00	1.21E-08
2836	480990.16	3768827.81	6.397E-08	2.88E-08	0.00E+00	9.28E-08	6.33E-08	4.20E-08	0.00E+00	1.05E-07	1.16E-08	7.15E-09	0.00E+00	1.88E-08	6.49E-09	6.17E-09	0.00E+00	1.27E-08
2837

2859	480807.1	3768656.96	1.243E-07	5.60E-08	0.00E+00	1.80E-07	1.23E-07	8.15E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
2860	480804.28	3768648.14	1.252E-07	5.64E-08	0.00E+00	1.82E-07	1.24E-07	8.21E-08	0.00E+00	2.06E-07	2.27E-08	1.40E-08	0.00E+00	3.67E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
2861	480801.46	3768639.32	1.258E-07	5.67E-08	0.00E+00	1.82E-07	1.24E-07	8.25E-08	0.00E+00	2.07E-07	2.28E-08	1.41E-08	0.00E+00	3.69E-08	1.28E-08	1.21E-08	0.00E+00	2.49E-08
2862	480798.64	3768630.5	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.49E-08
2863	480795.81	3768621.68	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2864	480792.99	3768612.86	1.258E-07	5.67E-08	0.00E+00	1.83E-07	1.25E-07	8.26E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.69E-08	1.28E-08	1.21E-08	0.00E+00	2.49E-08
2865	480790.17	3768604.04	1.253E-07	5.65E-08	0.00E+00	1.82E-07	1.24E-07	8.22E-08	0.00E+00	2.06E-07	2.28E-08	1.40E-08	0.00E+00	3.68E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
2866	480787.35	3768595.22	1.244E-07	5.61E-08	0.00E+00	1.81E-07	1.23E-07	8.17E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
2867	480784.53	3768586.39	1.233E-07	5.56E-08	0.00E+00	1.79E-07	1.22E-07	8.09E-08	0.00E+00	2.03E-07	2.24E-08	1.38E-08	0.00E+00	3.62E-08	1.25E-08	1.19E-08	0.00E+00	2.44E-08
2868	480781.71	3768577.57	1.219E-07	5.50E-08	0.00E+00	1.77E-07	1.21E-07	8.00E-08	0.00E+00	2.01E-07	2.22E-08	1.36E-08	0.00E+00	3.58E-08	1.24E-08	1.18E-08	0.00E+00	2.41E-08
2869	480778.89	3768568.75	1.203E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
2870	480776.07	3768559.93	1.184E-07	5.34E-08	0.00E+00	1.72E-07	1.17E-07	7.77E-08	0.00E+00	1.95E-07	2.15E-08	1.32E-08	0.00E+00	3.47E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
2871	480773.25	3768551.11	1.163E-07	5.24E-08	0.00E+00	1.69E-07	1.15E-07	7.63E-08	0.00E+00	1.91E-07	2.11E-08	1.30E-08	0.00E+00	3.41E-08	1.18E-08	1.12E-08	0.00E+00	2.30E-08
2872	480770.43	3768542.29	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
2873	480767.61	3768533.47	1.114E-07	5.02E-08	0.00E+00	1.62E-07	1.10E-07	7.31E-08	0.00E+00	1.83E-07	2.02E-08	1.25E-08	0.00E+00	3.27E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2874	480764.79	3768524.65	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.13E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
2875	480761.97	3768515.83	1.059E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.95E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.11E-08	1.07E-08	1.02E-08	0.00E+00	2.10E-08
2876	480759.15	3768507.01	1.03E-07	4.64E-08	0.00E+00	1.49E-07	1.02E-07	6.76E-08	0.00E+00	1.69E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.04E-08	9.93E-09	0.00E+00	2.04E-08
2877	480756.33	3768498.18	9.99E-08	4.51E-08	0.00E+00	1.45E-07	9.89E-08	6.56E-08	0.00E+00	1.64E-07	1.82E-08	1.12E-08	0.00E+00	2.93E-08	1.01E-08	9.64E-09	0.00E+00	1.98E-08
2878	480753.51	3768489.36	9.669E-08	4.36E-08	0.00E+00	1.40E-07	9.57E-08	6.34E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.81E-09	9.33E-09	0.00E+00	1.91E-08
2879	481027.92	3768854.61	4.935E-08	2.23E-08	0.00E+00	7.16E-08	4.88E-08	3.24E-08	0.00E+00	8.12E-08	8.97E-09	5.52E-09	0.00E+00	1.45E-08	5.01E-09	4.76E-09	0.00E+00	9.77E-09
2880	481037.02	3768857.38	4.734E-08	2.14E-08	0.00E+00	6.87E-08	4.68E-08	3.11E-08	0.00E+00	7.79E-08	8.60E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.57E-09	0.00E+00	9.37E-09
2881	481046.13	3768860.15	4.535E-08	2.05E-08	0.00E+00	6.58E-08	4.49E-08	2.98E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
2882	481055.23	3768862.92	4.339E-08	1.96E-08	0.00E+00	6.30E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.19E-09	0.00E+00	8.59E-09
2883	481064.34	3768865.69	4.147E-08	1.87E-08	0.00E+00	6.02E-08	4.10E-08	2.72E-08	0.00E+00	6.83E-08	7.54E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.00E-09	0.00E+00	8.21E-09
2884	481073.44	3768868.46	3.961E-08	1.79E-08	0.00E+00	5.75E-08	3.92E-08	2.60E-08	0.00E+00	6.52E-08	7.20E-09	4.43E-09	0.00E+00	1.16E-08	4.02E-09	3.82E-09	0.00E+00	7.84E-09
2885	481082.55	3768871.23	3.78E-08	1.70E-08	0.00E+00	5.48E-08	3.74E-08	2.48E-08	0.00E+00	6.22E-08	6.87E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.65E-09	0.00E+00	7.48E-09
2886	481091.65	3768873.99	3.604E-08	1.63E-08	0.00E+00	5.23E-08	3.57E-08	2.36E-08	0.00E+00	5.93E-08	6.55E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.13E-09
2887	481100.76	3768876.76	3.433E-08	1.55E-08	0.00E+00	4.98E-08	3.40E-08	2.25E-08	0.00E+00	5.65E-08	6.24E-09	3.84E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.79E-09
2888	481011.63	3768877.95	4.365E-08	1.97E-08	0.00E+00	6.33E-08	4.32E-08	2.86E-08	0.00E+00	7.18E-08	7.93E-09	4.88E-09	0.00E+00	1.28E-08	4.43E-09	4.21E-09	0.00E+00	8.64E-09
2889	481004.06	3768872.58	4.605E-08	2.08E-08	0.00E+00	6.68E-08	4.56E-08	3.02E-08	0.00E+00	7.58E-08	8.37E-09	5.15E-09	0.00E+00	1.35E-08	4.67E-09	4.44E-09	0.00E+00	9.11E-09
2890	480996.5	3768867.21	4.854E-08	2.19E-08	0.00E+00	7.04E-08	4.80E-08	3.19E-08	0.00E+00	7.99E-08	8.82E-09	5.42E-09	0.00E+00	1.42E-08	4.92E-09	4.68E-09	0.00E+00	9.61E-09
2891	480988.93	3768861.84	5.111E-08	2.30E-08	0.00E+00	7.42E-08	5.06E-08	3.35E-08	0.00E+00	8.41E-08	9.29E-09	5.71E-09	0.00E+00	1.50E-08	5.18E-09	4.93E-09	0.00E+00	1.01E-08
2892	480981.37	3768856.47	5.373E-08	2.42E-08	0.00E+00	7.80E-08	5.32E-08	3.53E-08	0.00E+00	8.84E-08	9.76E-09	6.01E-09	0.00E+00	1.58E-08	5.45E-09	5.18E-09	0.00E+00	1.06E-08
2893	480973.8	3768851.1	5.642E-08	2.54E-08	0.00E+00	8.19E-08	5.58E-08	3.70E-08	0.00E+00	9.28E-08	1.03E-08	6.31E-09	0.00E+00	1.66E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
2894	480966.24	3768845.73	5.913E-08	2.67E-08	0.00E+00	8.58E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.61E-09	0.00E+00	1.74E-08	6.00E-09	5.70E-09	0.00E+00	1.17E-08
2895	480958.67	3768840.36	6.187E-08	2.79E-08	0.00E+00	8.98E-08	6.12E-08	4.06E-08	0.00E+00	1.02E-07	1.12E-08	6.91E-09	0.00E+00	1.82E-08	6.28E-09	5.97E-09	0.00E+00	1.22E-08
2896	480951.11	3768834.99	6.462E-08	2.91E-08	0.00E+00	9.38E-08	6.39E-08	4.24E-08	0.00E+00	1.06E-07	1.17E-08	7.22E-09	0.00E+00	1.90E-08	6.56E-09	6.23E-09	0.00E+00	1.28E-08
2897	480943.54	3768829.62	6.738E-08	3.04E-08	0.00E+00	9.78E-08	6.67E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
2898	480935.98	3768824.25	7.014E-08	3.16E-08	0.00E+00	1.02E-07	6.94E-08	4.60E-08	0.00E+00	1.15E-07	1.27E-08	7.84E-09	0.00E+00	2.06E-08	7.11E-09	6.77E-09	0.00E+00	1.39E-08
2899	480928.41	3768818.88	7.289E-08	3.29E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.15E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
2900	480920.84	3768813.51	7.56E-08	3.41E-08	0.00E+00	1.10E-07	7.48E-08	4.96E-08	0.00E+00	1.24E-07	1.37E-08	8.45E-09	0.00E+00	2.22E-08	7.67E-09	7.29E-09	0.00E+00	1.50E-08
2901	480913.28	3768808.14	7.827E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.75E-09	0.00E+00	2.30E-08	7.94E-09	7.55E-09	0.00E+00	1.55E-08
2902	480905.71	3768802.77	8.086E-08	3.65E-08	0.00E+00	1.17E-07	8.00E-08	5.31E-08	0.00E+00	1.33E-07	1.47E-08	9.04E-09	0.00E+00	2.37E-08	8.20E-09	7.80E-09	0.00E+00	1.60E-08
2903	480898.15	3768797.4	8.337E-08	3.76E-08	0.00E+00	1.21E-07	8.25E-08	5.47E-08	0.00E+00	1.37E-07	1.51E-08	9.32E-09	0.00E+00	2.45E-08	8.46E-09	8.04E-09	0.00E+00	1.65E-08
2904	480890.58	3768792.03	8.578E-08	3.87E-08	0.00E+00	1.24E-07	8.49E-08	5.63E-08	0.00E+00	1.41E-07	1.56E-08	9.59E-09	0.00E+00	2.52E-08	8.70E-09	8.28E-09	0.00E+00	1.70E-08
2905	480883.02	3768786.66	8.81E-08	3.97E-08	0.00E+00	1.28E-07	8.72E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.85E-09	0.00E+00	2.59E-08	8.94E-09	8.50E-09	0.00E+00	1.74E-08
2906	480875.45	3768781.29	9.032E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.16E-09	8.71E-09	0.00E+00	1.79E-08
2907	480867.89	3768775.93	9.243E-08	4.17E-08	0.00E+00	1.34E-07	9.15E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.38E-09	8.92E-09	0.00E+00	1.83E-08
2908	480860.32	3768770.56	9.442E-08	4.26E-08	0.00E+00	1.37E-07	9.34E-08	6.20E-08	0.00E+00	1.55E-07	1.72E-08	1.06E-08	0.00E+00	2.77E-08	9.58E-09	9.11E-09	0.00E+00	1.87E-08
2909	480852.76	3768765.19	9.626E-08	4.34E-08	0.00E+00	1.40E-07	9.53E-08	6.32E-08	0.00E+00	1.58E-07	1.75E-08	1.08E-08	0.00E+00	2.82E-08	9.76E-09	9.29E-09	0.00E+00	1.91E-08
2910	480845.19	3768759.82	9.794E-08	4.42E-08	0.00E+00	1.42E-07	9.69E-08	6.43E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.94E-09	9.45E-09	0.00E+00	1.94E-08
2911	480807.37	3768732.97	1.04E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.82E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.05E-08	1.00E-08	0.00E+00	2.06E-08
2912	480796.98	3768718.76	1.07E-07	4.82E-08	0.00E+00	1.55E-07	1.06E-07	7.02E-08	0.00E+00	1.76E-07	1.94E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
2913	480794.15	3768709.93	1.091E-07	4.92E-08	0.00E+00	1.58E-07	1.08E-07	7.16E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.20E-08	1.11E-08	1.05E-08	0.00E+00	2.16E-08
2914	480791.33	3768701.09	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2915	480788.5	3768692.25	1.126E-07	5.08E-08	0.00E+00	1.63E-07	1.11E-07	7.39E-08	0.00E+00	1.85E-07	2.05E-08	1.26E-08	0.00E+00	3.30E-08	1.14E-08	1.09E-08	0.00E+00	2.23E-08
2916	480785.68	3768683.42	1.141E-07	5.14E-08	0.00E+00	1.66E-07	1.13E-07	7.49E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.35E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
2917	480782.85	3768674.58	1.153E-07	5.20E-08	0.00E+00	1.67E-07	1.14E-07	7.57E-08	0.00E+00	1.90E-07	2.09E-08	1.29E-08	0.00E+00	3.38E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2918	480780.03	3768665.74	1.163E-07	5.25E-08	0.00E+00	1.69E-07	1.15E-07	7.63E-08	0.00E+00	1.91E-07	2.11E-08	1.30E-08	0.00E+00	3.41E-08	1.18E-08	1.12E-08	0.00E+00	2.30E-08
2919	480777.2	3768656.91	1.171E-07	5.28E-08	0.00E+00	1.70E-07	1.16E-07	7.68E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.44E-08	1.19E-08	1.13E-08	0.00E+00	2.32E-08
2920	480774.38	3768648.07	1.176E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
2921	480771.55	3768639.24	1.179E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.33E-08
2922	480768.73	3768630.4	1.179E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.33E-08
2923	480765.9	3768621.56	1.177E-07	5.31E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.45E-08	1.19E-08	1.14E-08	0.00E+00	2.33E-08
2924	480763.08	3768612.73	1.172E-07	5.29E-08	0.00E+00	1.70E-07	1.16E-07	7.69E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.44E-08	1.19E-08	1.13E-08	0.00E+00	2.32E-08
2925	480760.25	3768603.89	1.165E-07	5.25E-08	0.00E+00	1.69E-07	1.15E-07	7.64E-08	0.00E+00	1.92E-07	2.12E-08	1.30E-08	0.00E+00	3.42E-08	1.18E-08	1.12E-08	0.00E+00	2.31E-08
2926	480757.43	3768595.05	1.155E-07	5.21E-08	0.00E+00	1.68E-07	1.14E-07	7.58E-08	0.00E+00	1.90E-07	2.10E-08	1.29E-08	0.00E+00	3.39E-08	1.17E-08	1.11E-08	0.00E+00	2.29E-08
2927	480754.6	3768586.22	1.144E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.50E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
2928	480751.78	3768577.38	1.129E-07	5.09E-08	0.00E+00	1.64E-07	1.12E-07	7.41E-08	0.00E+00	1.86E-07	2.05E-08	1.26E-08	0.00E+00	3.31E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
2929	481019.19	3768883.32	4.132E-08	1.86E-08	0.00E+00	6.00E-08	4.09E-08	2.71E-08	0.00E+00	6.80E-08	7.51E-09	4.62E-09	0.00E+00	1.21E-08	4.19E-09	3.99E-09	0.00E+00	8.18E-09
2930	481028.3	3768886.08	3.964E-08	1.79E-08	0.00E+00	5.75E-08	3.92E-08	2.60E-08	0.00E+00	6.52E-08	7.20E-09	4.43E-09	0.00E+00	1.16E-08	4.02E-09	3.82E-09	0.00E+00	7.84E-09
2931	481037.4	3768888.85	3.797E-08	1.71E-08	0.00E+00	5.51E-08	3.76E-08	2.49E-08	0.00E+00	6.25E-08	6.90E-09	4.24E-09	0.00E+00	1.11E-08	3.85E-09	3.66E-09	0.00E+00	7.51E-09
2932	481046.51	3768891.62	3.633E-08	1.64E-08	0.00E+00	5.27E-08	3.60E-08	2.38E-08	0.00E+00	5.98E-08	6.60E-09	4.06E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.19E-09
2933	481055.61	3768894.39	3.474E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.31E-09	3.88E-09	0.00E+00	1.02E-08	3.52E-09	3.35E-09	0.00E+00	6.88E-09
2934	481064.72	3768897.16	3.32E-08	1.50E-08	0.00E+00	4.82E-08	3.29E-08	2.18E-08	0.00E+00	5.46E-08	6.03E-09	3.71E-09	0.00E+00	9.74E-09	3.37E-09	3.20E-09	0.00E+00	6.57E-09
2935	481073.82	3768899.93	3.172E-08	1.43E-08	0.00E+00	4.60E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.76E-09	3.54E-09	0.00E+00	9.31E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
2936	481082.93	3768902.7	3.028E-08	1.37E-08	0.00E+00	4.39E-08	3.00E-08	1.99E-08	0.00E+00	4.98E-08	5.50E-09	3.38E-09	0.00E+00	8.89E-09	3.07E-09	2.92E-09	0.00E+00	5.99E-09
2937	481092.03	3768905.47	2.89E-08	1.30E-08	0.00E+00	4.19E-08	2.86E-08	1.90E-08	0.00E+00	4.76E-08	5.25E-09	3.23E-09	0.00E+00	8.48E-09	2.93E-09	2.79E-09	0.00E+00	5.72E-09
2938	481002.89	3768906.64	3.681E-08	1.66E-08	0.00E+00	5.34E-08	3.64E-08	2.42E-08	0.00E+00	6.06E-08	6.69E-09	4.11E-09	0.00E+00	1.08E-08	3.73E-09	3.55E-09	0.00E+00	7.29E-09
2939	480995.31	3768901.26	3.884E-08	1.75E-08	0.00E+00	5.64E-08	3.84E-08	2.55E-08	0.00E+00	6.39E-08	7.06E-09	4.34E-09	0.00E+00	1.14E-08	3.94E-09	3.75E-09	0.00E+00	7.69E-09
2940	480987.73	3768895.89	4.094E-08	1.85E-08	0.00E+00	5.94E-08	4.05E-08	2.69E-08	0.00E+00	6.74E-08	7.44E-09	4.58E-09	0.00E+00	1.20E-08	4.15E-09	3.95E-09	0.00E+00	8.10E-09
2941	480980.16	3768890.51	4.312E-08	1.94E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.83E-09	4.82E-09	0.00E+00	1.27E-08	4.37E-09	4.16E-09	0.00E+00	8.53E-09
2942	480972.58	3768885.13	4.536E-08	2.05E-08	0.00E+00	6.58E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.38E-09	0.00E+00	8.98E-09
2943	480965	3768879.75	4.766E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.84E-08	8.66E-09	5.33E-09	0.00E+00	1.40E-08	4.83E-09	4.60E-09	0.00E+00	9.43E-09
2944	480957.43	3768874.37	5E-08	2.25E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.90E-09
2945	480949.85	3768869	5.239E-08	2.36E-08	0.00E+00	7.60E-08	5.18E-08	3.44E-08	0.00E+00	8.62E-08	9.52E-09	5.85E-09	0.00E+00	1.54E-08	5.31E-09	5.05E-09	0.00E+00	1.04E-08
2946	480942.27	3768863.62	5.481E-08	2.47E-08	0.00E+00	7.95E-08	5.42E-08	3.60E-08	0.00E+00	9.02E-08	9.96E-09	6.13E-09	0.00E+00	1.61E-08	5.56E-09	5.29E-09	0.00E+00	1.08E-08
2947	480934.7	3768858.24	5.727E-08	2.58E-08	0.00E+00	8.31E-08	5.67E-08	3.76E-08	0.00E+00	9.42E-08	1.04E-08	6.40E-09	0.00E+00	1.68E-08	5.81E-09	5.52E-09	0.00E+00	1.13E-08
2948	480927.12	3768852.86	5.975E-08	2.69E-08	0.00E+00	8.67E-08	5.91E-08	3.92E-08	0.00E+00	9.83E-08	1.09E-08	6.68E-09	0.00E+00	1.75E-08	6.06E-09	5.76E-09	0.00E+00	1.18E-08
2949	480919.54	3768847.49	6.223E-08	2.81E-08	0.00E+00	9.03E-08	6.16E-08	4.08E-08	0.00E+00	1.02E-07	1.13E-08	6.95E-09	0.00E+00	1.83E-08	6.31E-09	6.00E-09	0.00E+00	1.23E-08
2950	480911.97	3768842.11	6.471E-08	2.92E-08	0.00E+00	9.39E-08	6.40E-08	4.25E-08	0.00E+00	1.06E-07	1.18E-08	7.23E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
2951	480904.39	3768836.73	6.716E-08	3.03E-08	0.00E+00	9.75E-08	6.65E-08	4.41E-08	0.00E+00	1.11E-07	1.22E-08	7.51E-09	0.00E+00	1.97E-08	6.81E-09	6.48E-09	0.00E+00	1.33E-08
2952	480896.81	3768831.35	6.958E-08	3.14E-08	0.00E+00	1.01E-07	6.89E-08	4.57E-08	0.00E+00	1.15E-07	1.26E-08	7.78E-09	0.00E+00	2.04E-08	7.06E-09	6.71E-09	0.00E+00	1.38E-08
2953	480889.24	3768825.98	7.196E-08	3.25E-08	0.00E+00	1.04E-07	7.12E-08	4.72E-08	0.00E+00	1.18E-07	1.31E-08	8.04E-09	0.00E+00	2.11E-08	7.30E-09	6.94E-09	0.00E+00	1.42E-08
2954	480881.66	3768820.6	7.428E-08	3.35E-08	0.00E+00	1.08E-07	7.35E-08	4.87E-08	0.00E+00	1.22E-07	1.35E-08	8.30E-09	0.00E+00	2.18E-08	7.54E-09	7.17E-09	0.00E+00	1.47E-08
2955

2977	480704.85	3768524.06	9.3E-08	4.19E-08	0.00E+00	1.35E-07	9.20E-08	6.10E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.73E-08	9.43E-09	8.97E-09	0.00E+00	1.84E-08
2978	480702.02	3768515.21	9.056E-08	4.08E-08	0.00E+00	1.31E-07	8.96E-08	5.94E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.19E-09	8.74E-09	0.00E+00	1.79E-08
2979	480699.19	3768506.36	8.802E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
2980	480696.36	3768497.51	8.542E-08	3.85E-08	0.00E+00	1.24E-07	8.45E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.55E-09	0.00E+00	2.51E-08	8.66E-09	8.24E-09	0.00E+00	1.69E-08
2981	480693.54	3768488.66	8.275E-08	3.73E-08	0.00E+00	1.20E-07	8.19E-08	5.43E-08	0.00E+00	1.36E-07	1.50E-08	9.25E-09	0.00E+00	2.43E-08	8.39E-09	7.98E-09	0.00E+00	1.64E-08
2982	480690.71	3768479.81	8.005E-08	3.61E-08	0.00E+00	1.16E-07	7.92E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.95E-09	0.00E+00	2.35E-08	8.12E-09	7.72E-09	0.00E+00	1.58E-08
2983	481010.46	3768912.02	3.488E-08	1.57E-08	0.00E+00	5.06E-08	3.45E-08	2.29E-08	0.00E+00	5.74E-08	6.34E-09	3.90E-09	0.00E+00	1.02E-08	3.54E-09	3.36E-09	0.00E+00	6.90E-09
2984	481019.57	3768914.79	3.346E-08	1.51E-08	0.00E+00	4.85E-08	3.31E-08	2.20E-08	0.00E+00	5.51E-08	6.08E-09	3.74E-09	0.00E+00	9.82E-09	3.39E-09	3.23E-09	0.00E+00	6.62E-09
2985	481028.67	3768917.56	3.207E-08	1.45E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.28E-08	5.83E-09	3.58E-09	0.00E+00	9.41E-09	3.25E-09	3.09E-09	0.00E+00	6.35E-09
2986	481037.78	3768920.32	3.071E-08	1.39E-08	0.00E+00	4.46E-08	3.04E-08	2.02E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.01E-09	3.12E-09	2.96E-09	0.00E+00	6.08E-09
2987	481046.88	3768923.09	2.94E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.84E-08	5.34E-09	3.29E-09	0.00E+00	8.63E-09	2.98E-09	2.84E-09	0.00E+00	5.82E-09
2988	481055.99	3768925.86	2.813E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.85E-08	0.00E+00	4.63E-08	5.11E-09	3.14E-09	0.00E+00	8.25E-09	2.85E-09	2.71E-09	0.00E+00	5.57E-09
2989	481065.09	3768928.63	2.691E-08	1.21E-08	0.00E+00	3.90E-08	2.66E-08	1.77E-08	0.00E+00	4.43E-08	4.89E-09	3.01E-09	0.00E+00	7.90E-09	2.73E-09	2.60E-09	0.00E+00	5.32E-09
2990	481074.2	3768931.4	2.573E-08	1.16E-08	0.00E+00	3.73E-08	2.55E-08	1.69E-08	0.00E+00	4.23E-08	4.68E-09	2.88E-09	0.00E+00	7.55E-09	2.61E-09	2.48E-09	0.00E+00	5.09E-09
2991	481083.3	3768934.17	2.46E-08	1.11E-08	0.00E+00	3.57E-08	2.43E-08	1.61E-08	0.00E+00	4.05E-08	4.47E-09	2.75E-09	0.00E+00	7.22E-09	2.50E-09	2.37E-09	0.00E+00	4.87E-09
2992	480994.15	3768935.34	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.69E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
2993	480986.56	3768929.95	3.299E-08	1.49E-08	0.00E+00	4.79E-08	3.26E-08	2.17E-08	0.00E+00	5.43E-08	5.99E-09	3.69E-09	0.00E+00	9.68E-09	3.35E-09	3.18E-09	0.00E+00	6.53E-09
2994	480978.98	3768924.57	3.476E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.32E-09	3.88E-09	0.00E+00	1.02E-08	3.53E-09	3.35E-09	0.00E+00	6.88E-09
2995	480971.39	3768919.18	3.66E-08	1.65E-08	0.00E+00	5.31E-08	3.62E-08	2.40E-08	0.00E+00	6.02E-08	6.65E-09	4.09E-09	0.00E+00	1.07E-08	3.71E-09	3.53E-09	0.00E+00	7.24E-09
2996	480963.8	3768913.8	3.85E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.30E-09	0.00E+00	1.13E-08	3.91E-09	3.71E-09	0.00E+00	7.62E-09
2997	480956.22	3768908.41	4.046E-08	1.82E-08	0.00E+00	5.87E-08	4.00E-08	2.65E-08	0.00E+00	6.66E-08	7.35E-09	4.52E-09	0.00E+00	1.19E-08	4.10E-09	3.90E-09	0.00E+00	8.01E-09
2998	480948.63	3768903.03	4.247E-08	1.92E-08	0.00E+00	6.16E-08	4.20E-08	2.79E-08	0.00E+00	6.99E-08	7.72E-09	4.75E-09	0.00E+00	1.25E-08	4.31E-09	4.10E-09	0.00E+00	8.40E-09
2999	480941.04	3768897.64	4.453E-08	2.01E-08	0.00E+00	6.46E-08	4.41E-08	2.92E-08	0.00E+00	7.33E-08	8.09E-09	4.98E-09	0.00E+00	1.31E-08	4.52E-09	4.30E-09	0.00E+00	8.81E-09
3000	480933.46	3768892.26	4.665E-08	2.10E-08	0.00E+00	6.77E-08	4.62E-08	3.06E-08	0.00E+00	7.68E-08	8.48E-09	5.21E-09	0.00E+00	1.37E-08	4.73E-09	4.50E-09	0.00E+00	9.23E-09
3001	480925.87	3768886.87	4.881E-08	2.20E-08	0.00E+00	7.08E-08	4.83E-08	3.20E-08	0.00E+00	8.03E-08	8.87E-09	5.46E-09	0.00E+00	1.43E-08	4.95E-09	4.71E-09	0.00E+00	9.66E-09
3002	480918.28	3768881.49	5.1E-08	2.30E-08	0.00E+00	7.40E-08	5.05E-08	3.35E-08	0.00E+00	8.39E-08	9.27E-09	5.70E-09	0.00E+00	1.50E-08	5.17E-09	4.92E-09	0.00E+00	1.01E-08
3003	480910.69	3768876.1	5.322E-08	2.40E-08	0.00E+00	7.72E-08	5.27E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
3004	480903.11	3768870.72	5.543E-08	2.50E-08	0.00E+00	8.04E-08	5.49E-08	3.64E-08	0.00E+00	9.12E-08	1.01E-08	6.20E-09	0.00E+00	1.63E-08	5.62E-09	5.35E-09	0.00E+00	1.10E-08
3005	480895.52	3768865.33	5.766E-08	2.60E-08	0.00E+00	8.37E-08	5.71E-08	3.78E-08	0.00E+00	9.49E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.85E-09	5.56E-09	0.00E+00	1.14E-08
3006	480887.93	3768859.95	5.987E-08	2.70E-08	0.00E+00	8.69E-08	5.92E-08	3.93E-08	0.00E+00	9.85E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.78E-09	0.00E+00	1.18E-08
3007	480880.35	3768854.56	6.207E-08	2.80E-08	0.00E+00	9.01E-08	6.14E-08	4.07E-08	0.00E+00	1.02E-07	1.13E-08	6.94E-09	0.00E+00	1.82E-08	6.30E-09	5.99E-09	0.00E+00	1.23E-08
3008	480872.76	3768849.18	6.427E-08	2.90E-08	0.00E+00	9.33E-08	6.36E-08	4.22E-08	0.00E+00	1.06E-07	1.17E-08	7.18E-09	0.00E+00	1.89E-08	6.52E-09	6.20E-09	0.00E+00	1.27E-08
3009	480865.17	3768843.79	6.644E-08	3.00E-08	0.00E+00	9.64E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.43E-09	0.00E+00	1.95E-08	6.74E-09	6.41E-09	0.00E+00	1.31E-08
3010	480857.59	3768838.41	6.856E-08	3.09E-08	0.00E+00	9.95E-08	6.78E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.66E-09	0.00E+00	2.01E-08	6.95E-09	6.61E-09	0.00E+00	1.36E-08
3011	480850	3768833.02	7.064E-08	3.19E-08	0.00E+00	1.02E-07	6.99E-08	4.64E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.17E-09	6.81E-09	0.00E+00	1.40E-08
3012	480842.41	3768827.64	7.263E-08	3.28E-08	0.00E+00	1.05E-07	7.19E-08	4.77E-08	0.00E+00	1.20E-07	1.32E-08	8.12E-09	0.00E+00	2.13E-08	7.37E-09	7.01E-09	0.00E+00	1.44E-08
3013	480834.83	3768822.25	7.457E-08	3.36E-08	0.00E+00	1.08E-07	7.38E-08	4.89E-08	0.00E+00	1.23E-07	1.35E-08	8.33E-09	0.00E+00	2.19E-08	7.56E-09	7.19E-09	0.00E+00	1.48E-08
3014	480827.24	3768816.87	7.642E-08	3.45E-08	0.00E+00	1.11E-07	7.56E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.54E-09	0.00E+00	2.24E-08	7.75E-09	7.37E-09	0.00E+00	1.51E-08
3015	480819.65	3768811.48	7.819E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
3016	480812.07	3768806.1	7.989E-08	3.60E-08	0.00E+00	1.16E-07	7.91E-08	5.24E-08	0.00E+00	1.31E-07	1.45E-08	8.93E-09	0.00E+00	2.34E-08	8.10E-09	7.71E-09	0.00E+00	1.58E-08
3017	480804.48	3768800.71	8.15E-08	3.68E-08	0.00E+00	1.18E-07	8.07E-08	5.35E-08	0.00E+00	1.34E-07	1.48E-08	9.11E-09	0.00E+00	2.39E-08	8.27E-09	7.86E-09	0.00E+00	1.61E-08
3018	480796.89	3768795.33	8.301E-08	3.74E-08	0.00E+00	1.20E-07	8.21E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
3019	480789.31	3768789.94	8.441E-08	3.81E-08	0.00E+00	1.22E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
3020	480781.72	3768784.56	8.57E-08	3.86E-08	0.00E+00	1.24E-07	8.48E-08	5.62E-08	0.00E+00	1.41E-07	1.56E-08	9.58E-09	0.00E+00	2.52E-08	8.69E-09	8.27E-09	0.00E+00	1.70E-08
3021	480774.13	3768779.17	8.688E-08	3.92E-08	0.00E+00	1.26E-07	8.60E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.71E-09	0.00E+00	2.55E-08	8.81E-09	8.38E-09	0.00E+00	1.72E-08
3022	480766.55	3768773.79	8.794E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.48E-09	0.00E+00	1.74E-08
3023	480758.96	3768768.41	8.887E-08	4.01E-08	0.00E+00	1.29E-07	8.79E-08	5.83E-08	0.00E+00	1.46E-07	1.61E-08	9.93E-09	0.00E+00	2.61E-08	9.01E-09	8.57E-09	0.00E+00	1.76E-08
3024	480708.88	3768630.1	1.036E-07	4.67E-08	0.00E+00	1.50E-07	1.03E-07	6.80E-08	0.00E+00	1.70E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	9.99E-09	0.00E+00	2.05E-08
3025	480706.04	3768621.23	1.03E-07	4.65E-08	0.00E+00	1.50E-07	1.02E-07	6.76E-08	0.00E+00	1.70E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.05E-08	9.94E-09	0.00E+00	2.04E-08
3026	480703.21	3768612.37	1.023E-07	4.61E-08	0.00E+00	1.48E-07	1.01E-07	6.71E-08	0.00E+00	1.68E-07	1.86E-08	1.14E-08	0.00E+00	3.00E-08	1.04E-08	9.87E-09	0.00E+00	2.02E-08
3027	480700.38	3768603.51	1.014E-07	4.57E-08	0.00E+00	1.47E-07	1.00E-07	6.65E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.98E-08	1.03E-08	9.78E-09	0.00E+00	2.01E-08
3028	480697.54	3768594.65	1.003E-07	4.52E-08	0.00E+00	1.46E-07	9.93E-08	6.58E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.02E-08	9.68E-09	0.00E+00	1.99E-08
3029	480694.71	3768585.79	9.909E-08	4.47E-08	0.00E+00	1.44E-07	9.81E-08	6.50E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.01E-08	9.56E-09	0.00E+00	1.96E-08
3030	480691.88	3768576.93	9.769E-08	4.41E-08	0.00E+00	1.42E-07	9.67E-08	6.41E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.91E-09	9.42E-09	0.00E+00	1.93E-08
3031	480689.04	3768568.06	9.613E-08	4.34E-08	0.00E+00	1.39E-07	9.51E-08	6.31E-08	0.00E+00	1.58E-07	1.75E-08	1.07E-08	0.00E+00	2.82E-08	9.75E-09	9.27E-09	0.00E+00	1.90E-08
3032	480686.21	3768559.2	9.443E-08	4.26E-08	0.00E+00	1.37E-07	9.34E-08	6.20E-08	0.00E+00	1.55E-07	1.72E-08	1.06E-08	0.00E+00	2.77E-08	9.58E-09	9.11E-09	0.00E+00	1.87E-08
3033	480683.38	3768550.34	9.259E-08	4.18E-08	0.00E+00	1.34E-07	9.16E-08	6.08E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.72E-08	9.39E-09	8.93E-09	0.00E+00	1.83E-08
3034	480680.54	3768541.48	9.061E-08	4.09E-08	0.00E+00	1.31E-07	8.97E-08	5.95E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.19E-09	8.74E-09	0.00E+00	1.79E-08
3035	480677.71	3768532.62	8.852E-08	3.99E-08	0.00E+00	1.28E-07	8.76E-08	5.81E-08	0.00E+00	1.46E-07	1.61E-08	9.89E-09	0.00E+00	2.60E-08	8.98E-09	8.54E-09	0.00E+00	1.75E-08
3036	480674.88	3768523.76	8.634E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.67E-08	0.00E+00	1.42E-07	1.57E-08	9.65E-09	0.00E+00	2.53E-08	8.76E-09	8.33E-09	0.00E+00	1.71E-08
3037	480672.04	3768514.89	8.409E-08	3.79E-08	0.00E+00	1.22E-07	8.32E-08	5.52E-08	0.00E+00	1.38E-07	1.53E-08	9.40E-09	0.00E+00	2.47E-08	8.53E-09	8.11E-09	0.00E+00	1.66E-08
3038	480669.21	3768506.03	8.177E-08	3.69E-08	0.00E+00	1.19E-07	8.09E-08	5.37E-08	0.00E+00	1.35E-07	1.49E-08	9.14E-09	0.00E+00	2.40E-08	8.29E-09	7.89E-09	0.00E+00	1.62E-08
3039	480666.38	3768497.17	7.941E-08	3.58E-08	0.00E+00	1.15E-07	7.86E-08	5.21E-08	0.00E+00	1.31E-07	1.44E-08	8.87E-09	0.00E+00	2.33E-08	8.05E-09	7.66E-09	0.00E+00	1.57E-08
3040	480663.54	3768488.31	7.696E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.60E-09	0.00E+00	2.26E-08	7.81E-09	7.42E-09	0.00E+00	1.52E-08
3041	480660.71	3768479.45	7.448E-08	3.36E-08	0.00E+00	1.08E-07	7.37E-08	4.89E-08	0.00E+00	1.23E-07	1.35E-08	8.32E-09	0.00E+00	2.19E-08	7.55E-09	7.18E-09	0.00E+00	1.47E-08
3042	481001.74	3768940.72	2.967E-08	1.34E-08	0.00E+00	4.31E-08	2.94E-08	1.95E-08	0.00E+00	4.88E-08	5.39E-09	3.32E-09	0.00E+00	8.71E-09	3.01E-09	2.86E-09	0.00E+00	5.87E-09
3043	481010.84	3768943.49	2.848E-08	1.28E-08	0.00E+00	4.13E-08	2.82E-08	1.87E-08	0.00E+00	4.69E-08	5.17E-09	3.18E-09	0.00E+00	8.36E-09	2.89E-09	2.75E-09	0.00E+00	5.64E-09
3044	481019.95	3768946.26	2.732E-08	1.23E-08	0.00E+00	3.96E-08	2.70E-08	1.79E-08	0.00E+00	4.50E-08	4.96E-09	3.05E-09	0.00E+00	8.02E-09	2.77E-09	2.64E-09	0.00E+00	5.41E-09
3045	481029.05	3768949.03	2.62E-08	1.18E-08	0.00E+00	3.80E-08	2.59E-08	1.72E-08	0.00E+00	4.31E-08	4.76E-09	2.93E-09	0.00E+00	7.69E-09	2.66E-09	2.53E-09	0.00E+00	5.19E-09
3051	480985.41	3768964.03	2.682E-08	1.21E-08	0.00E+00	3.89E-08	2.65E-08	1.76E-08	0.00E+00	4.41E-08	4.87E-09	3.00E-09	0.00E+00	7.87E-09	2.72E-09	2.59E-09	0.00E+00	5.31E-09
3052	480977.82	3768958.64	2.824E-08	1.27E-08	0.00E+00	4.10E-08	2.79E-08	1.85E-08	0.00E+00	4.65E-08	5.13E-09	3.16E-09	0.00E+00	8.29E-09	2.86E-09	2.72E-09	0.00E+00	5.59E-09
3053	480970.22	3768953.25	2.972E-08	1.34E-08	0.00E+00	4.31E-08	2.94E-08	1.95E-08	0.00E+00	4.89E-08	5.40E-09	3.32E-09	0.00E+00	8.72E-09	3.01E-09	2.87E-09	0.00E+00	5.88E-09
3054	480962.62	3768947.86	3.126E-08	1.41E-08	0.00E+00	4.54E-08	3.09E-08	2.05E-08	0.00E+00	5.15E-08	5.68E-09	3.49E-09	0.00E+00	9.17E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
3055	480955.03	3768942.47	3.287E-08	1.48E-08	0.00E+00	4.77E-08	3.25E-08	2.16E-08	0.00E+00	5.41E-08	5.97E-09	3.67E-09	0.00E+00	9.65E-09	3.33E-09	3.17E-09	0.00E+00	6.50E-09
3056	480947.43	3768937.08	3.453E-08	1.56E-08	0.00E+00	5.01E-08	3.42E-08	2.27E-08	0.00E+00	5.68E-08	6.27E-09	3.86E-09	0.00E+00	1.01E-08	3.50E-09	3.33E-09	0.00E+00	6.83E-09
3057	480939.84	3768931.68	3.626E-08	1.64E-08	0.00E+00	5.26E-08	3.59E-08	2.38E-08	0.00E+00	5.97E-08	6.59E-09	4.05E-09	0.00E+00	1.06E-08	3.68E-09	3.50E-09	0.00E+00	7.18E-09
3058	480932.24	3768926.29	3.804E-08	1.72E-08	0.00E+00	5.52E-08	3.76E-08	2.50E-08	0.00E+00	6.26E-08	6.91E-09	4.25E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.53E-09
3059	480924.65	3768920.9	3.987E-08	1.80E-08	0.00E+00	5.79E-08	3.95E-08	2.62E-08	0.00E+00	6.56E-08	7.25E-09	4.46E-09	0.00E+00	1.17E-08	4.04E-09	3.85E-09	0.00E+00	7.89E-09
3060	480917.05	3768915.51	4.175E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.24E-09	4.03E-09	0.00E+00	8.26E-09
3061	480909.46	3768910.12	4.367E-08	1.97E-08	0.00E+00	6.34E-08	4.32E-08	2.87E-08	0.00E+00	7.19E-08	7.93E-09	4.88E-09	0.00E+00	1.28E-08	4.43E-09	4.21E-09	0.00E+00	8.64E-09
3062	480901.86	3768904.73	4.561E-08	2.06E-08	0.00E+00	6.62E-08	4.51E-08	2.99E-08	0.00E+00	7.51E-08	8.29E-09	5.10E-09	0.00E+00	1.34E-08	4.63E-09	4.40E-09	0.00E+00	9.03E-09
3063	480894.26	3768899.34	4.758E-08	2.15E-08	0.00E+00	6.90E-08	4.71E-08	3.12E-08	0.00E+00	7.83E-08	8.64E-09	5.32E-09	0.00E+00	1.40E-08	4.83E-09	4.59E-09	0.00E+00	9.42E-09
3064	480886.67	3768893.95	4.956E-08	2.24E-08	0.00E+00	7.19E-08	4.90E-08	3.25E-08	0.00E+00	8.16E-08	9.01E-09	5.54E-09	0.00E+00	1.45E-08	5.03E-09	4.78E-09	0.00E+00	9.81E-09
3065	480879.07	3768888.55	5.156E-08	2.33E-08	0.00E+00	7.48E-08	5.10E-08	3.38E-08	0.00E+00	8.49E-08	9.37E-09	5.76E-09	0.00E+00	1.51E-08	5.23E-09	4.97E-09	0.00E+00	1.02E-08
3066	480871.48	3768883.16	5.358E-08	2.42E-08	0.00E+00	7.77E-08	5.30E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
3067	480863.88	3768877.77	5.56E-08	2.51E-08	0.00E+00	8.07E-08	5.50E-08	3.65E-08	0.00E+00	9.15E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.64E-09	5.36E-09	0.00E+00	1.10E-08
3068	480856.29	3768872.38	5.761E-08	2.60E-08	0.00E+00	8.36E-08	5.70E-08	3.78E-08	0.00E+00	9.48E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.84E-09	5.56E-09	0.00E+00	1.14E-08
3069	480848.69	3768866.99	5.96E-08	2.69E-08	0.00E+00	8.65E-08	5.90E-08	3.91E-08	0.00E+00	9.81E-08	1.08E-08	6.66E-09	0.00E+00	1.75E-08	6.05E-09	5.75E-09	0.00E+00	1.18E-08
3070	480841.09	3768861.6	6.154E-08	2.78E-08	0.00E+00	8.93E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.24E-09	5.94E-09	0.00E+00	1.22E-08
3071	480833.5	3768856.21	6.346E-08	2.86E-08	0.00E+00	9.21E-08	6.28E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.09E-09	0.00E+00	1.86E-08	6.44E-09	6.12E-09	0.00E+00	1.26E-08
3072	480825.9	3768850.82	6.533E-08	2.95E-08	0.00E+00	9.48E-08	6.46E-08	4.29E-08	0.00E+00	1.08E-07	1.19E-08	7.30E-09	0.00E+00	1.92E-08	6.63E-09	6.30E-09	0.00E+00	1.29E-08
3073	480818.31	3768845.43	6.716E-08	3.03E-08	0.00E+00	9.74E-08	6.65E-08	4.41E-08	0.00E+00	1.11E-07	1.22E-08	7.51E-09	0.00E+00	1.97E-08	6.81E-09	6.48E-09	0.00E+00	1.33E-08
3074	480810.71	3768840.03	6.895E-08	3.11E-08	0.00E+00	1.00E-07	6.82E-08	4.52E-08	0.00E+00	1.13E-07	1.25E-08	7.71E-09	0.00E+00	2.02E-08	6.99E-09	6.65E-09	0.00E+00	1.36E-08
3075	480803.12	3768834.64	7.068E-08	3.19E-08	0.00E+00	1.03E-07	6.99E-08	4.64E-08	0.00E+00	1.16E-07	1.28E-08	7.90E-09	0.00E+00	2.07E-08	7.17E-09	6.82E-09	0.00E+00	1.40E-08
3076	480795.52	3768829.25	7.233E-08	3.26E-08	0.00E+00	1.05E-07	7.16E-08	4.75E-08	0.00E+00	1.19E-07	1.31E-08	8.08E-09	0.00E+00	2.12E-08	7.34E-09	6.98E-09	0.00E+00	1.43E-08
3077	480787.92	3768823.86	7.391E-08	3.33E-08	0.00E+00	1.07E-07	7.31E-08	4.85E-08	0.00E+00	1.22E-07	1.34E-08	8.26E-09	0.00E+00	2.17E-08	7.50E-09	7.13E-09	0.00E+00	1.46E-08

3100	480661.92	3768576.67	9.121E-08	4.11E-08	0.00E+00	1.32E-07	9.03E-08	5.99E-08	0.00E+00	1.50E-07	1.66E-08	1.02E-08	0.00E+00	2.68E-08	9.25E-09	8.80E-09	0.00E+00	1.81E-08
3101	480659.08	3768567.8	8.968E-08	4.04E-08	0.00E+00	1.30E-07	8.87E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.77E-08
3102	480656.25	3768558.93	8.803E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
3103	480653.41	3768550.06	8.626E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
3104	480650.57	3768541.19	8.44E-08	3.81E-08	0.00E+00	1.22E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
3105	480647.74	3768532.31	8.246E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
3106	480644.9	3768523.44	8.044E-08	3.63E-08	0.00E+00	1.17E-07	7.96E-08	5.28E-08	0.00E+00	1.32E-07	1.46E-08	8.99E-09	0.00E+00	2.36E-08	8.16E-09	7.76E-09	0.00E+00	1.59E-08
3107	480642.06	3768514.57	7.836E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.76E-09	0.00E+00	2.30E-08	7.95E-09	7.56E-09	0.00E+00	1.55E-08
3108	480639.23	3768505.7	7.622E-08	3.44E-08	0.00E+00	1.11E-07	7.54E-08	5.00E-08	0.00E+00	1.25E-07	1.38E-08	8.52E-09	0.00E+00	2.24E-08	7.73E-09	7.35E-09	0.00E+00	1.51E-08
3109	480636.39	3768496.82	7.403E-08	3.34E-08	0.00E+00	1.07E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.27E-09	0.00E+00	2.17E-08	7.51E-09	7.14E-09	0.00E+00	1.47E-08
3110	480633.55	3768487.95	7.177E-08	3.24E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.11E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
3111	480630.72	3768479.08	6.949E-08	3.13E-08	0.00E+00	1.01E-07	6.88E-08	4.56E-08	0.00E+00	1.14E-07	1.26E-08	7.77E-09	0.00E+00	2.04E-08	7.05E-09	6.70E-09	0.00E+00	1.38E-08
3112	480993.01	3768969.42	2.547E-08	1.15E-08	0.00E+00	3.70E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.63E-09	2.85E-09	0.00E+00	7.47E-09	2.58E-09	2.46E-09	0.00E+00	5.04E-09
3113	481002.11	3768972.19	2.447E-08	1.10E-08	0.00E+00	3.55E-08	2.42E-08	1.61E-08	0.00E+00	4.03E-08	4.45E-09	2.73E-09	0.00E+00	7.18E-09	2.48E-09	2.36E-09	0.00E+00	4.84E-09
3114	481011.22	3768974.96	2.35E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.38E-09	2.27E-09	0.00E+00	4.65E-09
3115	481020.32	3768977.73	2.256E-08	1.02E-08	0.00E+00	3.27E-08	2.23E-08	1.48E-08	0.00E+00	3.71E-08	4.10E-09	2.52E-09	0.00E+00	6.62E-09	2.29E-09	2.18E-09	0.00E+00	4.46E-09
3116	481029.43	3768980.5	2.165E-08	9.76E-09	0.00E+00	3.14E-08	2.14E-08	1.42E-08	0.00E+00	3.56E-08	3.93E-09	2.42E-09	0.00E+00	6.35E-09	2.20E-09	2.09E-09	0.00E+00	4.29E-09
3121	480976.68	3768992.73	2.315E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.79E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
3122	480969.07	3768987.33	2.434E-08	1.10E-08	0.00E+00	3.53E-08	2.41E-08	1.60E-08	0.00E+00	4.01E-08	4.42E-09	2.72E-09	0.00E+00	7.14E-09	2.47E-09	2.35E-09	0.00E+00	4.82E-09
3123	480961.47	3768981.93	2.559E-08	1.15E-08	0.00E+00	3.71E-08	2.53E-08	1.68E-08	0.00E+00	4.21E-08	4.65E-09	2.86E-09	0.00E+00	7.51E-09	2.60E-09	2.47E-09	0.00E+00	5.06E-09
3124	480953.86	3768976.54	2.689E-08	1.21E-08	0.00E+00	3.90E-08	2.66E-08	1.76E-08	0.00E+00	4.42E-08	4.88E-09	3.00E-09	0.00E+00	7.89E-09	2.73E-09	2.59E-09	0.00E+00	5.32E-09
3125	480946.26	3768971.14	2.824E-08	1.27E-08	0.00E+00	4.10E-08	2.79E-08	1.85E-08	0.00E+00	4.65E-08	5.13E-09	3.16E-09	0.00E+00	8.29E-09	2.86E-09	2.72E-09	0.00E+00	5.59E-09
3126	480938.66	3768965.74	2.966E-08	1.34E-08	0.00E+00	4.30E-08	2.93E-08	1.95E-08	0.00E+00	4.88E-08	5.39E-09	3.31E-09	0.00E+00	8.70E-09	3.01E-09	2.86E-09	0.00E+00	5.87E-09
3127	480931.05	3768960.35	3.113E-08	1.40E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.00E-09	0.00E+00	6.16E-09
3128	480923.45	3768954.95	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3129	480915.85	3768949.55	3.424E-08	1.54E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.63E-08	6.22E-09	3.83E-09	0.00E+00	1.00E-08	3.47E-09	3.30E-09	0.00E+00	6.78E-09
3130	480908.24	3768944.16	3.586E-08	1.62E-08	0.00E+00	5.20E-08	3.55E-08	2.35E-08	0.00E+00	5.90E-08	6.52E-09	4.01E-09	0.00E+00	1.05E-08	3.64E-09	3.46E-09	0.00E+00	7.10E-09
3131	480900.64	3768938.76	3.753E-08	1.69E-08	0.00E+00	5.45E-08	3.71E-08	2.46E-08	0.00E+00	6.18E-08	6.82E-09	4.19E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.43E-09
3132	480893.04	3768933.36	3.923E-08	1.77E-08	0.00E+00	5.69E-08	3.88E-08	2.57E-08	0.00E+00	6.46E-08	7.13E-09	4.38E-09	0.00E+00	1.15E-08	3.98E-09	3.78E-09	0.00E+00	7.76E-09
3133	480885.43	3768927.97	4.096E-08	1.85E-08	0.00E+00	5.94E-08	4.05E-08	2.69E-08	0.00E+00	6.74E-08	7.44E-09	4.58E-09	0.00E+00	1.20E-08	4.15E-09	3.95E-09	0.00E+00	8.11E-09
3134	480877.83	3768922.57	4.272E-08	1.93E-08	0.00E+00	6.20E-08	4.23E-08	2.80E-08	0.00E+00	7.03E-08	7.76E-09	4.77E-09	0.00E+00	1.25E-08	4.33E-09	4.12E-09	0.00E+00	8.45E-09
3135	480870.22	3768917.17	4.45E-08	2.01E-08	0.00E+00	6.46E-08	4.40E-08	2.92E-08	0.00E+00	7.32E-08	8.09E-09	4.97E-09	0.00E+00	1.31E-08	4.51E-09	4.29E-09	0.00E+00	8.81E-09
3136	480862.62	3768911.78	4.631E-08	2.09E-08	0.00E+00	6.72E-08	4.58E-08	3.04E-08	0.00E+00	7.62E-08	8.41E-09	5.18E-09	0.00E+00	1.36E-08	4.70E-09	4.47E-09	0.00E+00	9.17E-09
3137	480855.02	3768906.38	4.814E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.75E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.53E-09
3138	480847.41	3768900.98	4.997E-08	2.25E-08	0.00E+00	7.25E-08	4.94E-08	3.28E-08	0.00E+00	8.22E-08	9.08E-09	5.58E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.89E-09
3139	480839.81	3768895.58	5.179E-08	2.34E-08	0.00E+00	7.51E-08	5.12E-08	3.40E-08	0.00E+00	8.52E-08	9.41E-09	5.79E-09	0.00E+00	1.52E-08	5.25E-09	5.00E-09	0.00E+00	1.02E-08
3140	480832.21	3768890.19	5.36E-08	2.42E-08	0.00E+00	7.78E-08	5.30E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
3141	480824.6	3768884.79	5.539E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.63E-08	0.00E+00	9.12E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.34E-09	0.00E+00	1.10E-08
3142	480817	3768879.39	5.717E-08	2.58E-08	0.00E+00	8.29E-08	5.66E-08	3.75E-08	0.00E+00	9.41E-08	1.04E-08	6.39E-09	0.00E+00	1.68E-08	5.80E-09	5.51E-09	0.00E+00	1.13E-08
3143	480809.4	3768874	5.893E-08	2.66E-08	0.00E+00	8.55E-08	5.83E-08	3.87E-08	0.00E+00	9.70E-08	1.07E-08	6.59E-09	0.00E+00	1.73E-08	5.98E-09	5.68E-09	0.00E+00	1.17E-08
3144	480801.79	3768868.6	6.066E-08	2.74E-08	0.00E+00	8.80E-08	6.00E-08	3.98E-08	0.00E+00	9.98E-08	1.10E-08	6.78E-09	0.00E+00	1.78E-08	6.15E-09	5.85E-09	0.00E+00	1.20E-08
3145	480794.19	3768863.2	6.235E-08	2.81E-08	0.00E+00	9.05E-08	6.17E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.97E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3146	480786.58	3768857.81	6.399E-08	2.89E-08	0.00E+00	9.28E-08	6.33E-08	4.20E-08	0.00E+00	1.05E-07	1.16E-08	7.15E-09	0.00E+00	1.88E-08	6.49E-09	6.17E-09	0.00E+00	1.27E-08
3147	480778.98	3768852.41	6.558E-08	2.96E-08	0.00E+00	9.52E-08	6.49E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.33E-09	0.00E+00	1.92E-08	6.65E-09	6.33E-09	0.00E+00	1.30E-08
3148	480771.38	3768847.01	6.712E-08	3.03E-08	0.00E+00	9.74E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.50E-09	0.00E+00	1.97E-08	6.81E-09	6.47E-09	0.00E+00	1.33E-08
3149	480763.77	3768841.62	6.859E-08	3.09E-08	0.00E+00	9.95E-08	6.79E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.01E-08	6.96E-09	6.62E-09	0.00E+00	1.36E-08
3150	480756.17	3768836.22	6.998E-08	3.16E-08	0.00E+00	1.02E-07	6.93E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.82E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.39E-08
3151	480748.57	3768830.82	7.13E-08	3.22E-08	0.00E+00	1.03E-07	7.05E-08	4.68E-08	0.00E+00	1.17E-07	1.30E-08	7.97E-09	0.00E+00	2.09E-08	7.23E-09	6.88E-09	0.00E+00	1.41E-08
3152	480740.96	3768825.43	7.253E-08	3.27E-08	0.00E+00	1.05E-07	7.18E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.11E-09	0.00E+00	2.13E-08	7.36E-09	7.00E-09	0.00E+00	1.44E-08
3153	480710.55	3768803.84	7.668E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.40E-09	0.00E+00	1.52E-08
3154	480700.11	3768789.56	7.933E-08	3.58E-08	0.00E+00	1.15E-07	7.85E-08	5.21E-08	0.00E+00	1.31E-07	1.44E-08	8.87E-09	0.00E+00	2.33E-08	8.05E-09	7.65E-09	0.00E+00	1.57E-08
3155	480697.27	3768780.68	8.105E-08	3.66E-08	0.00E+00	1.18E-07	8.02E-08	5.32E-08	0.00E+00	1.33E-07	1.47E-08	9.06E-09	0.00E+00	2.38E-08	8.22E-09	7.82E-09	0.00E+00	1.60E-08
3156	480694.43	3768771.8	8.269E-08	3.73E-08	0.00E+00	1.20E-07	8.18E-08	5.43E-08	0.00E+00	1.36E-07	1.50E-08	9.24E-09	0.00E+00	2.43E-08	8.39E-09	7.98E-09	0.00E+00	1.64E-08
3157	480691.59	3768762.92	8.423E-08	3.80E-08	0.00E+00	1.22E-07	8.33E-08	5.53E-08	0.00E+00	1.39E-07	1.53E-08	9.41E-09	0.00E+00	2.47E-08	8.54E-09	8.13E-09	0.00E+00	1.67E-08
3158	480683.07	3768736.27	8.819E-08	3.98E-08	0.00E+00	1.28E-07	8.73E-08	5.79E-08	0.00E+00	1.45E-07	1.60E-08	9.86E-09	0.00E+00	2.59E-08	8.95E-09	8.51E-09	0.00E+00	1.75E-08
3159	480680.23	3768727.39	8.927E-08	4.03E-08	0.00E+00	1.30E-07	8.83E-08	5.86E-08	0.00E+00	1.47E-07	1.62E-08	9.98E-09	0.00E+00	2.62E-08	9.06E-09	8.61E-09	0.00E+00	1.77E-08
3160	480677.39	3768718.51	9.021E-08	4.07E-08	0.00E+00	1.31E-07	8.93E-08	5.92E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.15E-09	8.70E-09	0.00E+00	1.79E-08
3161	480674.55	3768709.63	9.101E-08	4.10E-08	0.00E+00	1.32E-07	9.01E-08	5.97E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.23E-09	8.78E-09	0.00E+00	1.80E-08
3162	480671.71	3768700.75	9.167E-08	4.13E-08	0.00E+00	1.33E-07	9.07E-08	6.02E-08	0.00E+00	1.51E-07	1.67E-08	1.02E-08	0.00E+00	2.69E-08	9.30E-09	8.84E-09	0.00E+00	1.81E-08
3163	480668.87	3768691.86	9.219E-08	4.16E-08	0.00E+00	1.34E-07	9.12E-08	6.05E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.35E-09	8.89E-09	0.00E+00	1.82E-08
3164	480666.03	3768682.98	9.256E-08	4.17E-08	0.00E+00	1.34E-07	9.16E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.72E-08	9.39E-09	8.93E-09	0.00E+00	1.83E-08
3165	480663.19	3768674.1	9.277E-08	4.18E-08	0.00E+00	1.35E-07	9.18E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.41E-09	8.95E-09	0.00E+00	1.84E-08
3166	480660.35	3768665.22	9.284E-08	4.19E-08	0.00E+00	1.35E-07	9.19E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.42E-09	8.96E-09	0.00E+00	1.84E-08
3167	480657.51	3768656.34	9.274E-08	4.18E-08	0.00E+00	1.35E-07	9.18E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.41E-09	8.95E-09	0.00E+00	1.84E-08
3168	480654.67	3768647.46	9.25E-08	4.17E-08	0.00E+00	1.34E-07	9.15E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.38E-09	8.92E-09	0.00E+00	1.83E-08
3169	480651.83	3768638.58	9.21E-08	4.15E-08	0.00E+00	1.34E-07	9.11E-08	6.04E-08	0.00E+00	1.52E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.34E-09	8.88E-09	0.00E+00	1.82E-08
3170	480648.99	3768629.7	9.155E-08	4.13E-08	0.00E+00	1.33E-07	9.06E-08	6.01E-08	0.00E+00	1.51E-07	1.66E-08	1.02E-08	0.00E+00	2.69E-08	9.29E-09	8.83E-09	0.00E+00	1.81E-08
3171	480646.15	3768620.81	9.086E-08	4.10E-08	0.00E+00	1.32E-07	8.99E-08	5.96E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.22E-09	8.76E-09	0.00E+00	1.80E-08
3172	480643.32	3768611.93	9.002E-08	4.06E-08	0.00E+00	1.31E-07	8.91E-08	5.91E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.64E-08	9.13E-09	8.68E-09	0.00E+00	1.78E-08
3173	480640.48	3768603.05	8.905E-08	4.02E-08	0.00E+00	1.29E-07	8.81E-08	5.84E-08	0.00E+00	1.47E-07	1.62E-08	9.95E-09	0.00E+00	2.61E-08	9.03E-09	8.59E-09	0.00E+00	1.76E-08
3174	480637.64	3768594.17	8.793E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.48E-09	0.00E+00	1.74E-08
3175	480634.8	3768585.29	8.669E-08	3.91E-08	0.00E+00	1.26E-07	8.58E-08	5.69E-08	0.00E+00	1.43E-07	1.58E-08	9.69E-09	0.00E+00	2.54E-08	8.79E-09	8.36E-09	0.00E+00	1.72E-08
3176	480631.96	3768576.41	8.531E-08	3.85E-08	0.00E+00	1.24E-07	8.44E-08	5.60E-08	0.00E+00	1.40E-07	1.55E-08	9.53E-09	0.00E+00	2.50E-08	8.65E-09	8.23E-09	0.00E+00	1.69E-08
3177	480629.12	3768567.53	8.382E-08	3.78E-08	0.00E+00	1.22E-07	8.29E-08	5.50E-08	0.00E+00	1.38E-07	1.52E-08	9.37E-09	0.00E+00	2.46E-08	8.50E-09	8.09E-09	0.00E+00	1.66E-08
3178	480626.28	3768558.64	8.224E-08	3.71E-08	0.00E+00	1.19E-07	8.14E-08	5.40E-08	0.00E+00	1.35E-07	1.49E-08	9.19E-09	0.00E+00	2.41E-08	8.34E-09	7.93E-09	0.00E+00	1.63E-08
3179	480623.44	3768549.76	8.058E-08	3.63E-08	0.00E+00	1.17E-07	7.97E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.36E-08	8.17E-09	7.77E-09	0.00E+00	1.59E-08
3180	480620.6	3768540.88	7.884E-08	3.56E-08	0.00E+00	1.14E-07	7.80E-08	5.17E-08	0.00E+00	1.30E-07	1.43E-08	8.81E-09	0.00E+00	2.31E-08	8.00E-09	7.61E-09	0.00E+00	1.56E-08
3181	480617.76	3768532	7.703E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.61E-09	0.00E+00	2.26E-08	7.81E-09	7.43E-09	0.00E+00	1.52E-08
3182	480614.92	3768523.12	7.515E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.21E-08	7.62E-09	7.25E-09	0.00E+00	1.49E-08
3183	480612.08	3768514.24	7.321E-08	3.30E-08	0.00E+00	1.06E-07	7.24E-08	4.80E-08	0.00E+00	1.20E-07	1.33E-08	8.18E-09	0.00E+00	2.15E-08	7.43E-09	7.06E-09	0.00E+00	1.45E-08
3184	480609.24	3768505.36	7.122E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.22E-09	6.87E-09	0.00E+00	1.41E-08
3185	480606.4	3768496.47	6.919E-08	3.12E-08	0.00E+00	1.00E-07	6.85E-08	4.54E-08	0.00E+00	1.14E-07	1.26E-08	7.73E-09	0.00E+00	2.03E-08	7.02E-09	6.67E-09	0.00E+00	1.37E-08
3186	480603.56	3768487.59	6.71E-08	3.03E-08	0.00E+00	9.74E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.50E-09	0.00E+00	1.97E-08	6.81E-09	6.47E-09	0.00E+00	1.33E-08
3187	480600.72	3768478.71	6.5E-08	2.93E-08	0.00E+00	9.43E-08	6.43E-08	4.27E-08	0.00E+00	1.07E-07	1.18E-08	7.26E-09	0.00E+00	1.91E-08	6.59E-09	6.27E-09	0.00E+00	1.29E-08
3188	480984.28	3768998.13	2.203E-08	9.93E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.62E-08	4.00E-09	2.46E-09	0.00E+00	6.46E-09	2.23E-09	2.12E-09	0.00E+00	4.36E-09
3189	480993.38	3769000.89	2.119E-08	9.56E-09	0.00E+00	3.07E-08	2.10E-08	1.39E-08	0.00E+00	3.49E-08	3.85E-09	2.37E-09	0.00E+00	6.22E-09	2.15E-09	2.04E-09	0.00E+00	4.19E-09
3190	481002.49	3769003.66	2.038E-08	9.19E-09	0.00E+00	2.96E-08	2.02E-08	1.34E-08	0.00E+00	3.35E-08	3.70E-09	2.28E-09	0.00E+00	5.98E-09	2.07E-09	1.97E-09	0.00E+00	4.03E-09
3191	481011.59	3769006.43	1.959E-08	8.84E-09	0.00E+00	2.84E-08	1.94E-08	1.29E-08	0.00E+00	3.22E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
3192	481020.7	3769009.2	1.884E-08	8.50E-09	0.00E+00	2.73E-08	1.86E-08	1.24E-08	0.00E+00	3.10E-08	3.42E-09	2.11E-09	0.00E+00	5.53E-09	1.91E-09	1.82E-09	0.00E+00	3.73E-09
3193	481029.8	3769011.97	1.812E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.02E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
3197	480967.94	3769021.43	2.014E-08	9.08E-09	0.00E+00	2.92E-08	1.99E-08	1.32E-08	0.00E+00	3.31E-08	3.66E-09	2.25E-09	0.00E+00	5.91E-09	2.04E-09	1.94E-09	0.00E+00	3.99E-09
3198	480960.33	3769016.02	2.114E-08	9.53E-09	0.00E+00	3.07E-08	2.09E-08	1.39E-08	0.00E+00	3.48E-08	3.84E-09	2.36E-09	0.00E+00	6.20E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
3199	480952.72	3769010.62	2.219E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.65E-08	4.03E-09	2.48E-09	0.00E+00	6.51E-09	2.25E-09	2.14E-09	0.00E+00	4.39E-09
3200	480945.11	3769005.22	2.33E-08	1.05E-08	0.00E+00	3.38E-08	2.31E-08	1.53E-08	0.00E+00	3.83E-08	4.23E-09	2.60E-09	0.00E+00	6.84E-09	2.36E-09	2.25E-09	0.00E+00	4.61E-09
3201	480937.5	3768999.82	2.444E-08	1.10E-08	0.00E+00	3.55E-08	2.42E-08	1.60E-08	0.00E+00	4.02E-08	4.44E-09	2.73E-09	0.00E+00	7.17E-09	2.48E-09	2.36E-09	0.00E+00	4.84E-09
3202	480929.89	3768994.42	2.564E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.53E-09	2.60E-09	2.47E-09	0.00E+00	5.07E-09
3203

3225	480754.84	3768870.17	6.102E-08	2.75E-08	0.00E+00	8.85E-08	6.04E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.82E-09	0.00E+00	1.79E-08	6.19E-09	5.89E-09	0.00E+00	1.21E-08
3226	480747.23	3768864.77	6.243E-08	2.82E-08	0.00E+00	9.06E-08	6.18E-08	4.10E-08	0.00E+00	1.03E-07	1.13E-08	6.98E-09	0.00E+00	1.83E-08	6.33E-09	6.02E-09	0.00E+00	1.24E-08
3227	480709.17	3768837.76	6.862E-08	3.09E-08	0.00E+00	9.96E-08	6.79E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.01E-08	6.96E-09	6.62E-09	0.00E+00	1.36E-08
3228	480701.56	3768832.36	6.966E-08	3.14E-08	0.00E+00	1.01E-07	6.89E-08	4.57E-08	0.00E+00	1.15E-07	1.27E-08	7.79E-09	0.00E+00	2.04E-08	7.07E-09	6.72E-09	0.00E+00	1.38E-08
3229	480693.95	3768826.96	7.062E-08	3.18E-08	0.00E+00	1.02E-07	6.99E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
3230	480686.34	3768821.55	7.15E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.41E-08
3231	480675.89	3768807.26	7.4E-08	3.34E-08	0.00E+00	1.07E-07	7.32E-08	4.86E-08	0.00E+00	1.22E-07	1.34E-08	8.27E-09	0.00E+00	2.17E-08	7.51E-09	7.14E-09	0.00E+00	1.46E-08
3232	480673.05	3768798.37	7.564E-08	3.41E-08	0.00E+00	1.10E-07	7.48E-08	4.96E-08	0.00E+00	1.24E-07	1.37E-08	8.45E-09	0.00E+00	2.22E-08	7.67E-09	7.30E-09	0.00E+00	1.50E-08
3233	480670.2	3768789.48	7.72E-08	3.48E-08	0.00E+00	1.12E-07	7.64E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.83E-09	7.45E-09	0.00E+00	1.53E-08
3234	480667.36	3768780.59	7.869E-08	3.55E-08	0.00E+00	1.14E-07	7.79E-08	5.16E-08	0.00E+00	1.30E-07	1.43E-08	8.80E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
3235	480664.52	3768771.7	8.01E-08	3.61E-08	0.00E+00	1.16E-07	7.93E-08	5.26E-08	0.00E+00	1.32E-07	1.46E-08	8.95E-09	0.00E+00	2.35E-08	8.12E-09	7.73E-09	0.00E+00	1.59E-08
3236	480661.68	3768762.81	8.141E-08	3.67E-08	0.00E+00	1.18E-07	8.06E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.10E-09	0.00E+00	2.39E-08	8.26E-09	7.85E-09	0.00E+00	1.61E-08
3237	480653.15	3768736.14	8.469E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.47E-09	0.00E+00	2.49E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
3238	480650.31	3768727.25	8.556E-08	3.86E-08	0.00E+00	1.24E-07	8.47E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.56E-09	0.00E+00	2.51E-08	8.68E-09	8.25E-09	0.00E+00	1.69E-08
3239	480647.47	3768718.36	8.629E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
3240	480644.62	3768709.48	8.69E-08	3.92E-08	0.00E+00	1.26E-07	8.60E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.71E-09	0.00E+00	2.55E-08	8.81E-09	8.38E-09	0.00E+00	1.72E-08
3241	480641.78	3768700.59	8.738E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.56E-08	8.86E-09	8.43E-09	0.00E+00	1.73E-08
3242	480638.94	3768691.7	8.771E-08	3.96E-08	0.00E+00	1.27E-07	8.68E-08	5.76E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.90E-09	8.46E-09	0.00E+00	1.74E-08
3243	480636.1	3768682.81	8.791E-08	3.96E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.82E-09	0.00E+00	2.58E-08	8.92E-09	8.48E-09	0.00E+00	1.74E-08
3244	480633.26	3768673.92	8.796E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.49E-09	0.00E+00	1.74E-08
3245	480630.41	3768665.03	8.788E-08	3.96E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.82E-09	0.00E+00	2.58E-08	8.91E-09	8.48E-09	0.00E+00	1.74E-08
3246	480627.57	3768656.14	8.766E-08	3.95E-08	0.00E+00	1.27E-07	8.67E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.89E-09	8.46E-09	0.00E+00	1.73E-08
3247	480624.73	3768647.25	8.73E-08	3.94E-08	0.00E+00	1.27E-07	8.64E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.76E-09	0.00E+00	2.56E-08	8.86E-09	8.42E-09	0.00E+00	1.73E-08
3248	480621.89	3768638.36	8.681E-08	3.91E-08	0.00E+00	1.26E-07	8.59E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.70E-09	0.00E+00	2.55E-08	8.81E-09	8.37E-09	0.00E+00	1.72E-08
3249	480619.04	3768629.47	8.618E-08	3.89E-08	0.00E+00	1.25E-07	8.53E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.63E-09	0.00E+00	2.53E-08	8.74E-09	8.31E-09	0.00E+00	1.71E-08
3250	480616.2	3768620.58	8.543E-08	3.85E-08	0.00E+00	1.24E-07	8.45E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.55E-09	0.00E+00	2.51E-08	8.67E-09	8.24E-09	0.00E+00	1.69E-08
3251	480613.36	3768611.69	8.455E-08	3.81E-08	0.00E+00	1.23E-07	8.37E-08	5.55E-08	0.00E+00	1.39E-07	1.54E-08	9.45E-09	0.00E+00	2.48E-08	8.58E-09	8.16E-09	0.00E+00	1.67E-08
3252	480610.52	3768602.8	8.356E-08	3.77E-08	0.00E+00	1.21E-07	8.27E-08	5.48E-08	0.00E+00	1.38E-07	1.52E-08	9.34E-09	0.00E+00	2.45E-08	8.48E-09	8.06E-09	0.00E+00	1.65E-08
3253	480607.68	3768593.91	8.246E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
3254	480604.83	3768585.02	8.125E-08	3.66E-08	0.00E+00	1.18E-07	8.04E-08	5.33E-08	0.00E+00	1.34E-07	1.48E-08	9.08E-09	0.00E+00	2.38E-08	8.24E-09	7.84E-09	0.00E+00	1.61E-08
3255	480601.99	3768576.13	7.994E-08	3.61E-08	0.00E+00	1.16E-07	7.91E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.93E-09	0.00E+00	2.35E-08	8.11E-09	7.71E-09	0.00E+00	1.58E-08
3256	480599.15	3768567.24	7.854E-08	3.54E-08	0.00E+00	1.14E-07	7.77E-08	5.15E-08	0.00E+00	1.29E-07	1.43E-08	8.78E-09	0.00E+00	2.30E-08	7.97E-09	7.58E-09	0.00E+00	1.55E-08
3257	480596.31	3768558.35	7.705E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.06E-08	0.00E+00	1.27E-07	1.40E-08	8.61E-09	0.00E+00	2.26E-08	7.82E-09	7.43E-09	0.00E+00	1.52E-08
3258	480593.47	3768549.46	7.548E-08	3.40E-08	0.00E+00	1.10E-07	7.47E-08	4.95E-08	0.00E+00	1.24E-07	1.37E-08	8.44E-09	0.00E+00	2.21E-08	7.66E-09	7.28E-09	0.00E+00	1.49E-08
3259	480590.62	3768540.57	7.383E-08	3.33E-08	0.00E+00	1.07E-07	7.31E-08	4.84E-08	0.00E+00	1.22E-07	1.34E-08	8.25E-09	0.00E+00	2.17E-08	7.49E-09	7.12E-09	0.00E+00	1.46E-08
3260	480587.78	3768531.68	7.213E-08	3.25E-08	0.00E+00	1.05E-07	7.14E-08	4.73E-08	0.00E+00	1.19E-07	1.31E-08	8.06E-09	0.00E+00	2.12E-08	7.32E-09	6.96E-09	0.00E+00	1.43E-08
3261	480584.94	3768522.79	7.036E-08	3.17E-08	0.00E+00	1.02E-07	6.96E-08	4.62E-08	0.00E+00	1.16E-07	1.28E-08	7.86E-09	0.00E+00	2.06E-08	7.14E-09	6.79E-09	0.00E+00	1.39E-08
3262	480582.1	3768513.9	6.856E-08	3.09E-08	0.00E+00	9.95E-08	6.78E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.66E-09	0.00E+00	2.01E-08	6.95E-09	6.61E-09	0.00E+00	1.36E-08
3263	480579.25	3768505.01	6.67E-08	3.01E-08	0.00E+00	9.68E-08	6.60E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.46E-09	0.00E+00	1.96E-08	6.77E-09	6.43E-09	0.00E+00	1.32E-08
3264	480576.41	3768496.12	6.482E-08	2.92E-08	0.00E+00	9.41E-08	6.41E-08	4.25E-08	0.00E+00	1.07E-07	1.18E-08	7.24E-09	0.00E+00	1.90E-08	6.58E-09	6.25E-09	0.00E+00	1.28E-08
3265	480573.57	3768487.23	6.289E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
3266	480570.73	3768478.34	6.094E-08	2.75E-08	0.00E+00	8.84E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.88E-09	0.00E+00	1.21E-08
3267	480975.55	3769026.83	1.919E-08	8.66E-09	0.00E+00	2.79E-08	1.90E-08	1.26E-08	0.00E+00	3.16E-08	3.49E-09	2.15E-09	0.00E+00	5.63E-09	1.95E-09	1.85E-09	0.00E+00	3.80E-09
3268	480984.66	3769029.6	1.849E-08	8.34E-09	0.00E+00	2.68E-08	1.83E-08	1.21E-08	0.00E+00	3.04E-08	3.36E-09	2.07E-09	0.00E+00	5.43E-09	1.88E-09	1.78E-09	0.00E+00	3.66E-09
3269	480993.76	3769032.36	1.781E-08	8.03E-09	0.00E+00	2.58E-08	1.76E-08	1.17E-08	0.00E+00	2.93E-08	3.24E-09	1.99E-09	0.00E+00	5.23E-09	1.81E-09	1.72E-09	0.00E+00	3.53E-09
3270	481002.87	3769035.13	1.716E-08	7.74E-09	0.00E+00	2.49E-08	1.70E-08	1.13E-08	0.00E+00	2.82E-08	3.12E-09	1.92E-09	0.00E+00	5.04E-09	1.74E-09	1.66E-09	0.00E+00	3.40E-09
3271	481011.97	3769037.9	1.653E-08	7.45E-09	0.00E+00	2.40E-08	1.64E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.68E-09	1.59E-09	0.00E+00	3.27E-09
3272	481021.08	3769040.67	1.593E-08	7.18E-09	0.00E+00	2.31E-08	1.58E-08	1.05E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.62E-09	1.54E-09	0.00E+00	3.15E-09
3273	481030.18	3769043.44	1.535E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.72E-09	0.00E+00	4.50E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
3276	480959.21	3769050.12	1.766E-08	7.96E-09	0.00E+00	2.56E-08	1.75E-08	1.16E-08	0.00E+00	2.91E-08	3.21E-09	1.97E-09	0.00E+00	5.18E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
3277	480951.59	3769044.72	1.85E-08	8.34E-09	0.00E+00	2.68E-08	1.83E-08	1.21E-08	0.00E+00	3.04E-08	3.36E-09	2.07E-09	0.00E+00	5.43E-09	1.88E-09	1.78E-09	0.00E+00	3.66E-09
3278	480943.97	3769039.31	1.938E-08	8.74E-09	0.00E+00	2.81E-08	1.92E-08	1.27E-08	0.00E+00	3.19E-08	3.52E-09	2.17E-09	0.00E+00	5.69E-09	1.97E-09	1.87E-09	0.00E+00	3.84E-09
3279	480936.35	3769033.9	2.031E-08	9.16E-09	0.00E+00	2.95E-08	2.01E-08	1.33E-08	0.00E+00	3.34E-08	3.69E-09	2.27E-09	0.00E+00	5.96E-09	2.06E-09	1.96E-09	0.00E+00	4.02E-09
3280	480928.74	3769028.5	2.129E-08	9.60E-09	0.00E+00	3.09E-08	2.11E-08	1.40E-08	0.00E+00	3.50E-08	3.87E-09	2.38E-09	0.00E+00	6.25E-09	2.16E-09	2.05E-09	0.00E+00	4.21E-09
3281	480921.12	3769023.09	2.231E-08	1.01E-08	0.00E+00	3.24E-08	2.21E-08	1.46E-08	0.00E+00	3.67E-08	4.05E-09	2.49E-09	0.00E+00	6.55E-09	2.26E-09	2.15E-09	0.00E+00	4.41E-09
3282	480913.5	3769017.68	2.337E-08	1.05E-08	0.00E+00	3.39E-08	2.31E-08	1.53E-08	0.00E+00	3.85E-08	4.25E-09	2.61E-09	0.00E+00	6.86E-09	2.37E-09	2.25E-09	0.00E+00	4.62E-09
3283	480905.89	3769012.28	2.448E-08	1.10E-08	0.00E+00	3.55E-08	2.42E-08	1.61E-08	0.00E+00	4.03E-08	4.45E-09	2.74E-09	0.00E+00	7.18E-09	2.48E-09	2.36E-09	0.00E+00	4.84E-09
3284	480898.27	3769006.87	2.564E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.52E-09	2.60E-09	2.47E-09	0.00E+00	5.07E-09
3285	480890.65	3769001.46	2.684E-08	1.21E-08	0.00E+00	3.89E-08	2.66E-08	1.76E-08	0.00E+00	4.42E-08	4.88E-09	3.00E-09	0.00E+00	7.88E-09	2.72E-09	2.59E-09	0.00E+00	5.31E-09
3286	480883.03	3768996.06	2.809E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.84E-08	0.00E+00	4.62E-08	5.10E-09	3.14E-09	0.00E+00	8.24E-09	2.85E-09	2.71E-09	0.00E+00	5.56E-09
3287	480875.42	3768990.65	2.937E-08	1.32E-08	0.00E+00	4.26E-08	2.91E-08	1.93E-08	0.00E+00	4.83E-08	5.34E-09	3.28E-09	0.00E+00	8.62E-09	2.98E-09	2.83E-09	0.00E+00	5.81E-09
3288	480867.8	3768985.24	3.068E-08	1.38E-08	0.00E+00	4.45E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.00E-09	3.11E-09	2.96E-09	0.00E+00	6.07E-09
3289	480860.18	3768979.84	3.204E-08	1.44E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.27E-08	5.82E-09	3.58E-09	0.00E+00	9.40E-09	3.25E-09	3.09E-09	0.00E+00	6.34E-09
3290	480852.56	3768974.43	3.342E-08	1.51E-08	0.00E+00	4.85E-08	3.31E-08	2.19E-08	0.00E+00	5.50E-08	6.07E-09	3.74E-09	0.00E+00	9.81E-09	3.39E-09	3.22E-09	0.00E+00	6.61E-09
3291	480844.95	3768969.03	3.484E-08	1.57E-08	0.00E+00	5.05E-08	3.45E-08	2.29E-08	0.00E+00	5.73E-08	6.33E-09	3.89E-09	0.00E+00	1.02E-08	3.53E-09	3.36E-09	0.00E+00	6.89E-09
3292	480837.33	3768963.62	3.629E-08	1.64E-08	0.00E+00	5.27E-08	3.59E-08	2.38E-08	0.00E+00	5.97E-08	6.59E-09	4.06E-09	0.00E+00	1.06E-08	3.68E-09	3.50E-09	0.00E+00	7.18E-09
3293	480829.71	3768958.21	3.776E-08	1.70E-08	0.00E+00	5.48E-08	3.74E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
3294	480822.1	3768952.81	3.925E-08	1.77E-08	0.00E+00	5.70E-08	3.88E-08	2.58E-08	0.00E+00	6.46E-08	7.13E-09	4.39E-09	0.00E+00	1.15E-08	3.98E-09	3.79E-09	0.00E+00	7.77E-09
3295	480814.48	3768947.4	4.075E-08	1.84E-08	0.00E+00	5.91E-08	4.03E-08	2.67E-08	0.00E+00	6.71E-08	7.40E-09	4.55E-09	0.00E+00	1.20E-08	4.13E-09	3.93E-09	0.00E+00	8.06E-09
3296	480806.86	3768941.99	4.226E-08	1.91E-08	0.00E+00	6.13E-08	4.18E-08	2.77E-08	0.00E+00	6.95E-08	7.68E-09	4.72E-09	0.00E+00	1.24E-08	4.29E-09	4.08E-09	0.00E+00	8.36E-09
3297	480799.24	3768936.59	4.377E-08	1.97E-08	0.00E+00	6.35E-08	4.33E-08	2.87E-08	0.00E+00	7.20E-08	7.95E-09	4.89E-09	0.00E+00	1.28E-08	4.44E-09	4.22E-09	0.00E+00	8.66E-09
3298	480791.63	3768931.18	4.528E-08	2.04E-08	0.00E+00	6.57E-08	4.48E-08	2.97E-08	0.00E+00	7.45E-08	8.23E-09	5.06E-09	0.00E+00	1.33E-08	4.59E-09	4.37E-09	0.00E+00	8.96E-09
3299	480784.01	3768925.77	4.68E-08	2.11E-08	0.00E+00	6.79E-08	4.63E-08	3.07E-08	0.00E+00	7.70E-08	8.50E-09	5.23E-09	0.00E+00	1.37E-08	4.75E-09	4.51E-09	0.00E+00	9.26E-09
3300	480776.39	3768920.37	4.831E-08	2.18E-08	0.00E+00	7.01E-08	4.78E-08	3.17E-08	0.00E+00	7.95E-08	8.78E-09	5.40E-09	0.00E+00	1.42E-08	4.90E-09	4.66E-09	0.00E+00	9.56E-09
3301	480768.77	3768914.96	4.981E-08	2.25E-08	0.00E+00	7.23E-08	4.93E-08	3.27E-08	0.00E+00	8.20E-08	9.05E-09	5.57E-09	0.00E+00	1.46E-08	5.05E-09	4.81E-09	0.00E+00	9.86E-09
3302	480761.16	3768909.55	5.129E-08	2.31E-08	0.00E+00	7.44E-08	5.08E-08	3.37E-08	0.00E+00	8.44E-08	9.32E-09	5.73E-09	0.00E+00	1.51E-08	5.20E-09	4.95E-09	0.00E+00	1.02E-08
3303	480753.54	3768904.15	5.274E-08	2.38E-08	0.00E+00	7.65E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.58E-09	5.89E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
3304	480745.92	3768898.74	5.416E-08	2.44E-08	0.00E+00	7.86E-08	5.36E-08	3.55E-08	0.00E+00	8.91E-08	9.84E-09	6.05E-09	0.00E+00	1.59E-08	5.49E-09	5.22E-09	0.00E+00	1.07E-08
3305	480707.84	3768871.71	6.071E-08	2.74E-08	0.00E+00	8.81E-08	6.01E-08	3.98E-08	0.00E+00	9.99E-08	1.10E-08	6.79E-09	0.00E+00	1.78E-08	6.16E-09	5.86E-09	0.00E+00	1.20E-08
3306	480700.22	3768866.3	6.189E-08	2.79E-08	0.00E+00	8.98E-08	6.12E-08	4.06E-08	0.00E+00	1.02E-07	1.12E-08	6.92E-09	0.00E+00	1.82E-08	6.28E-09	5.97E-09	0.00E+00	1.22E-08
3307	480692.6	3768860.89	6.299E-08	2.84E-08	0.00E+00	9.14E-08	6.23E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.04E-09	0.00E+00	1.85E-08	6.39E-09	6.08E-09	0.00E+00	1.25E-08
3308	480684.98	3768855.49	6.403E-08	2.89E-08	0.00E+00	9.29E-08	6.34E-08	4.20E-08	0.00E+00	1.05E-07	1.16E-08	7.16E-09	0.00E+00	1.88E-08	6.50E-09	6.18E-09	0.00E+00	1.27E-08
3309	480677.37	3768850.08	6.501E-08	2.93E-08	0.00E+00	9.43E-08	6.43E-08	4.27E-08	0.00E+00	1.07E-07	1.18E-08	7.27E-09	0.00E+00	1.91E-08	6.59E-09	6.27E-09	0.00E+00	1.29E-08
3310	480669.75	3768844.68	6.593E-08	2.97E-08	0.00E+00	9.57E-08	6.52E-08	4.33E-08	0.00E+00	1.09E-07	1.20E-08	7.37E-09	0.00E+00	1.93E-08	6.69E-09	6.36E-09	0.00E+00	1.30E-08
3311	480662.13	3768839.27	6.68E-08	3.01E-08	0.00E+00	9.69E-08	6.61E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.47E-09	0.00E+00	1.96E-08	6.78E-09	6.44E-09	0.00E+00	1.32E-08
3312	480651.67	3768824.96	6.922E-08	3.12E-08	0.00E+00	1.00E-07	6.85E-08	4.54E-08	0.00E+00	1.14E-07	1.26E-08	7.74E-09	0.00E+00	2.03E-08	7.02E-09	6.68E-09	0.00E+00	1.37E-08
3313	480648.83	3768816.07	7.078E-08	3.19E-08	0.00E+00	1.03E-07	7.00E-08	4.64E-08	0.00E+00	1.16E-07	1.29E-08	7.91E-09	0.00E+00	2.08E-08	7.18E-09	6.83E-09	0.00E+00	1.40E-08
3314	480645.98	3768807.17	7.228E-08	3.26E-08	0.00E+00	1.05E-07	7.15E-08	4.74E-08	0.00E+00	1.19E-07	1.31E-08	8.08E-09	0.00E+00	2.12E-08	7.33E-09	6.97E-09	0.00E+00	1.43E-08
3315	480643.14	3768798.27	7.371E-08	3.32E-08	0.00E+00	1.07E-07	7.29E-08	4.84E-08	0.00E+00	1.21E-07	1.34E-08	8.24E-09	0.00E+00	2.16E-08	7.48E-09	7.11E-09	0.00E+00	1.46E-08
3316	480640.29	3768789.38	7.507E-08	3.39E-08	0.00E+00	1.09E-07	7.43E-08	4.93E-08	0.00E+00	1.24E-07	1.36E-08	8.39E-09	0.00E+00	2.20E-08	7.62E-09	7.24E-09	0.00E+00	1.49E-08
3317	480637.45	3768780.48	7.634E-08	3.44E-08	0.00E+00	1.11E-07	7.55E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.53E-09	0.00E+00	2.24E-08	7.74E-09	7.36E-09	0.00E+00	1.51E-08
3318	480634.6	3768771.58	7.752E-08	3.50E-08	0.00E+00	1.12E-07	7.67E-08	5.09E-08	0.00E+00	1.28E-07	1.41E-08	8.66E-09	0.00E+00	2.28E-08	7.86E-09	7.48E-09	0.00E+00	1.53E-08
3319	480631.76	3768762.68	7.861E-08	3.55E-08	0.00E+00	1.14E-07	7.78E-08	5.16E-08	0.00E+00	1.29E-07	1.43E-08	8.79E-09	0.00E+00	2.31E-08	7.97E-09	7.58E-09	0.00E+00	1.56E-08
3320	480623.23	3768735.99	8.126E-08	3.66E-08	0.00E+00	1.18E-07	8.04E-08	5.33E-08	0.00E+00	1.34E-07	1.48E-08	9.08E-09	0.00E+00	2.38E-08	8.24E-09	7.84E-09	0.00E+00	1.61E-08
3321	480620.38	3768727.1	8.192E-08	3.69E-08	0.00E+00	1.19E-07	8.11E-08	5.38E-08	0.00E+00	1.35E-07	1.49E-08	9.16E-09	0.00E+00	2.40E-08	8.31E-09	7.90E-09	0.00E+00	1.62E-08
3322	480617.54	3768718.2	8.247E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.37E-09	7.96E-09	0.00E+00	1.63E-08

3345	480552.11	3768513.56	6.434E-08	2.90E-08	0.00E+00	9.34E-08	6.37E-08	4.22E-08	0.00E+00	1.06E-07	1.17E-08	7.19E-09	0.00E+00	1.89E-08	6.53E-09	6.21E-09	0.00E+00	1.27E-08
3346	480549.27	3768504.66	6.261E-08	2.82E-08	0.00E+00	9.09E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.00E-09	0.00E+00	1.84E-08	6.35E-09	6.04E-09	0.00E+00	1.24E-08
3347	480546.42	3768495.77	6.086E-08	2.74E-08	0.00E+00	8.83E-08	6.02E-08	3.99E-08	0.00E+00	1.00E-07	1.11E-08	6.80E-09	0.00E+00	1.79E-08	6.17E-09	5.87E-09	0.00E+00	1.20E-08
3348	480543.58	3768486.87	5.906E-08	2.66E-08	0.00E+00	8.57E-08	5.84E-08	3.88E-08	0.00E+00	9.72E-08	1.07E-08	6.60E-09	0.00E+00	1.73E-08	5.99E-09	5.70E-09	0.00E+00	1.17E-08
3349	480540.73	3768477.97	5.726E-08	2.58E-08	0.00E+00	8.31E-08	5.67E-08	3.76E-08	0.00E+00	9.42E-08	1.04E-08	6.40E-09	0.00E+00	1.68E-08	5.81E-09	5.52E-09	0.00E+00	1.13E-08
3350	480966.82	3769055.53	1.686E-08	7.60E-09	0.00E+00	2.45E-08	1.67E-08	1.11E-08	0.00E+00	2.77E-08	3.06E-09	1.88E-09	0.00E+00	4.95E-09	1.71E-09	1.63E-09	0.00E+00	3.34E-09
3351	480975.93	3769058.3	1.626E-08	7.33E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.95E-09	1.82E-09	0.00E+00	4.77E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
3352	480985.03	3769061.07	1.569E-08	7.08E-09	0.00E+00	2.28E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.60E-09	1.59E-09	1.51E-09	0.00E+00	3.11E-09
3353	480994.14	3769063.84	1.514E-08	6.83E-09	0.00E+00	2.20E-08	1.50E-08	9.94E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.54E-09	1.46E-09	0.00E+00	3.00E-09
3354	481003.24	3769066.6	1.462E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.59E-09	0.00E+00	2.41E-08	2.66E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
3355	481012.35	3769069.37	1.411E-08	6.36E-09	0.00E+00	2.05E-08	1.40E-08	9.26E-09	0.00E+00	2.32E-08	2.56E-09	1.58E-09	0.00E+00	4.14E-09	1.43E-09	1.36E-09	0.00E+00	2.79E-09
3356	481021.45	3769072.14	1.363E-08	6.15E-09	0.00E+00	1.98E-08	1.35E-08	8.95E-09	0.00E+00	2.24E-08	2.48E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.32E-09	0.00E+00	2.70E-09
3357	481224	3768532.67	7.775E-07	3.51E-07	0.00E+00	1.13E-06	7.69E-07	5.10E-07	0.00E+00	1.28E-06	1.41E-07	8.69E-08	0.00E+00	2.28E-07	7.89E-08	7.50E-08	0.00E+00	1.54E-07
3358	481220.92	3768542.02	6.766E-07	3.05E-07	0.00E+00	9.82E-07	6.70E-07	4.44E-07	0.00E+00	1.11E-06	1.23E-07	7.56E-08	0.00E+00	1.99E-07	6.86E-08	6.53E-08	0.00E+00	1.34E-07
3359	481217.84	3768551.36	5.956E-07	2.69E-07	0.00E+00	8.64E-07	5.89E-07	3.91E-07	0.00E+00	9.80E-07	1.08E-07	6.66E-08	0.00E+00	1.75E-07	6.04E-08	5.75E-08	0.00E+00	1.18E-07
3360	481214.75	3768560.7	5.285E-07	2.38E-07	0.00E+00	7.67E-07	5.23E-07	3.47E-07	0.00E+00	8.70E-07	9.60E-08	5.91E-08	0.00E+00	1.55E-07	5.36E-08	5.10E-08	0.00E+00	1.05E-07
3361	481211.67	3768570.05	4.716E-07	2.13E-07	0.00E+00	6.84E-07	4.67E-07	3.09E-07	0.00E+00	7.76E-07	8.57E-08	5.27E-08	0.00E+00	1.38E-07	4.78E-08	4.55E-08	0.00E+00	9.33E-08
3362	481208.59	3768579.39	4.225E-07	1.91E-07	0.00E+00	6.13E-07	4.18E-07	2.77E-07	0.00E+00	6.95E-07	7.68E-08	4.72E-08	0.00E+00	1.24E-07	4.29E-08	4.08E-08	0.00E+00	8.36E-08
3363	481205.51	3768588.74	3.798E-07	1.71E-07	0.00E+00	5.51E-07	3.76E-07	2.49E-07	0.00E+00	6.25E-07	6.90E-08	4.25E-08	0.00E+00	1.11E-07	3.85E-08	3.66E-08	0.00E+00	7.52E-08
3364	481202.43	3768598.08	3.425E-07	1.54E-07	0.00E+00	4.97E-07	3.39E-07	2.25E-07	0.00E+00	5.64E-07	6.22E-08	3.83E-08	0.00E+00	1.01E-07	3.47E-08	3.30E-08	0.00E+00	6.78E-08
3365	481199.35	3768607.42	3.097E-07	1.40E-07	0.00E+00	4.49E-07	3.06E-07	2.03E-07	0.00E+00	5.10E-07	5.63E-08	3.46E-08	0.00E+00	9.09E-08	3.14E-08	2.99E-08	0.00E+00	6.13E-08
3366	481196.27	3768616.77	2.806E-07	1.27E-07	0.00E+00	4.07E-07	2.78E-07	1.84E-07	0.00E+00	4.62E-07	5.10E-08	3.14E-08	0.00E+00	8.23E-08	2.85E-08	2.71E-08	0.00E+00	5.55E-08
3367	481193.19	3768626.11	2.547E-07	1.15E-07	0.00E+00	3.70E-07	2.52E-07	1.67E-07	0.00E+00	4.19E-07	4.63E-08	2.85E-08	0.00E+00	7.47E-08	2.58E-08	2.46E-08	0.00E+00	5.04E-08
3368	481190.11	3768635.45	2.316E-07	1.04E-07	0.00E+00	3.36E-07	2.29E-07	1.52E-07	0.00E+00	3.81E-07	4.21E-08	2.59E-08	0.00E+00	6.80E-08	2.35E-08	2.23E-08	0.00E+00	4.58E-08
3369	481187.03	3768644.8	2.109E-07	9.51E-08	0.00E+00	3.06E-07	2.09E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.36E-08	0.00E+00	6.19E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
3370	481183.95	3768654.14	1.924E-07	8.68E-08	0.00E+00	2.79E-07	1.90E-07	1.26E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.65E-08	1.95E-08	1.86E-08	0.00E+00	3.81E-08
3371	481180.86	3768663.49	1.758E-07	7.93E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.70E-08	0.00E+00	3.48E-08
3372	481177.78	3768672.83	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
3373	481174.7	3768682.17	1.474E-07	6.65E-08	0.00E+00	2.14E-07	1.46E-07	9.67E-08	0.00E+00	2.43E-07	2.68E-08	1.65E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.92E-08
3374	481171.62	3768691.52	1.352E-07	6.10E-08	0.00E+00	1.96E-07	1.34E-07	8.87E-08	0.00E+00	2.23E-07	2.46E-08	1.51E-08	0.00E+00	3.97E-08	1.37E-08	1.30E-08	0.00E+00	2.68E-08
3375	481168.54	3768700.86	1.243E-07	5.61E-08	0.00E+00	1.80E-07	1.23E-07	8.16E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
3376	481165.46	3768710.21	1.144E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.51E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
3377	481162.38	3768719.55	1.054E-07	4.76E-08	0.00E+00	1.53E-07	1.04E-07	6.92E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.02E-08	0.00E+00	2.09E-08
3378	481159.3	3768728.89	9.733E-08	4.39E-08	0.00E+00	1.41E-07	9.63E-08	6.39E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.87E-09	9.39E-09	0.00E+00	1.93E-08
3379	481150.06	3768756.93	7.723E-08	3.48E-08	0.00E+00	1.12E-07	7.64E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.83E-09	7.45E-09	0.00E+00	1.53E-08
3380	481146.97	3768766.27	7.172E-08	3.23E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.10E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
3381	481143.89	3768775.61	6.67E-08	3.01E-08	0.00E+00	9.68E-08	6.60E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.46E-09	0.00E+00	1.96E-08	6.77E-09	6.43E-09	0.00E+00	1.32E-08
3382	481140.81	3768784.96	6.212E-08	2.80E-08	0.00E+00	9.01E-08	6.15E-08	4.08E-08	0.00E+00	1.02E-07	1.13E-08	6.94E-09	0.00E+00	1.82E-08	6.30E-09	5.99E-09	0.00E+00	1.23E-08
3383	481118.94	3768851.28	3.904E-08	1.76E-08	0.00E+00	5.66E-08	3.86E-08	2.56E-08	0.00E+00	6.43E-08	7.09E-09	4.36E-09	0.00E+00	1.15E-08	3.96E-09	3.77E-09	0.00E+00	7.73E-09
3384	481109.55	3768879.77	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3385	481240.43	3768537.67	7.616E-07	3.43E-07	0.00E+00	1.11E-06	7.54E-07	5.00E-07	0.00E+00	1.25E-06	1.38E-07	8.51E-08	0.00E+00	2.24E-07	7.73E-08	7.35E-08	0.00E+00	1.51E-07
3386	481229.69	3768544.69	6.682E-07	3.01E-07	0.00E+00	9.70E-07	6.61E-07	4.38E-07	0.00E+00	1.10E-06	1.21E-07	7.47E-08	0.00E+00	1.96E-07	6.78E-08	6.45E-08	0.00E+00	1.32E-07
3387	481226.83	3768554.11	5.859E-07	2.64E-07	0.00E+00	8.50E-07	5.80E-07	3.84E-07	0.00E+00	9.64E-07	1.06E-07	6.55E-08	0.00E+00	1.72E-07	5.94E-08	5.65E-08	0.00E+00	1.16E-07
3388	481223.97	3768563.52	5.181E-07	2.34E-07	0.00E+00	7.52E-07	5.13E-07	3.40E-07	0.00E+00	8.53E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.26E-08	5.00E-08	0.00E+00	1.03E-07
3389	481221.11	3768572.93	4.606E-07	2.08E-07	0.00E+00	6.68E-07	4.56E-07	3.02E-07	0.00E+00	7.58E-07	8.37E-08	5.15E-08	0.00E+00	1.35E-07	4.67E-08	4.44E-08	0.00E+00	9.12E-08
3390	481218.25	3768582.35	4.111E-07	1.85E-07	0.00E+00	5.97E-07	4.07E-07	2.70E-07	0.00E+00	6.77E-07	7.47E-08	4.59E-08	0.00E+00	1.21E-07	4.17E-08	3.97E-08	0.00E+00	8.14E-08
3391	481215.39	3768591.76	3.682E-07	1.66E-07	0.00E+00	5.34E-07	3.64E-07	2.42E-07	0.00E+00	6.06E-07	6.69E-08	4.11E-08	0.00E+00	1.08E-07	3.73E-08	3.55E-08	0.00E+00	7.29E-08
3392	481212.53	3768601.18	3.306E-07	1.49E-07	0.00E+00	4.80E-07	3.27E-07	2.17E-07	0.00E+00	5.44E-07	6.01E-08	3.70E-08	0.00E+00	9.70E-08	3.35E-08	3.19E-08	0.00E+00	6.54E-08
3393	481209.67	3768610.59	2.977E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
3394	481206.81	3768620	2.687E-07	1.21E-07	0.00E+00	3.90E-07	2.66E-07	1.76E-07	0.00E+00	4.42E-07	4.88E-08	3.00E-08	0.00E+00	7.88E-08	2.73E-08	2.59E-08	0.00E+00	5.32E-08
3395	481203.95	3768629.42	2.43E-07	1.10E-07	0.00E+00	3.53E-07	2.40E-07	1.59E-07	0.00E+00	4.00E-07	4.41E-08	2.72E-08	0.00E+00	7.13E-08	2.46E-08	2.34E-08	0.00E+00	4.81E-08
3396	481201.09	3768638.83	2.202E-07	9.93E-08	0.00E+00	3.19E-07	2.18E-07	1.44E-07	0.00E+00	3.62E-07	4.00E-08	2.46E-08	0.00E+00	6.46E-08	2.23E-08	2.12E-08	0.00E+00	4.36E-08
3397	481198.23	3768648.25	1.998E-07	9.01E-08	0.00E+00	2.90E-07	1.98E-07	1.31E-07	0.00E+00	3.29E-07	3.63E-08	2.23E-08	0.00E+00	5.86E-08	2.03E-08	1.93E-08	0.00E+00	3.95E-08
3398	481195.37	3768657.66	1.817E-07	8.20E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	2.99E-07	3.30E-08	2.03E-08	0.00E+00	5.33E-08	1.84E-08	1.75E-08	0.00E+00	3.60E-08
3399	481192.51	3768667.07	1.655E-07	7.46E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.72E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
3400	481189.66	3768676.49	1.51E-07	6.81E-08	0.00E+00	2.19E-07	1.49E-07	9.91E-08	0.00E+00	2.49E-07	2.74E-08	1.69E-08	0.00E+00	4.43E-08	1.53E-08	1.46E-08	0.00E+00	2.99E-08
3401	481186.8	3768685.9	1.38E-07	6.22E-08	0.00E+00	2.00E-07	1.37E-07	9.06E-08	0.00E+00	2.27E-07	2.51E-08	1.54E-08	0.00E+00	4.05E-08	1.40E-08	1.33E-08	0.00E+00	2.73E-08
3402	481183.94	3768695.32	1.263E-07	5.70E-08	0.00E+00	1.83E-07	1.25E-07	8.29E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.71E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
3403	481181.08	3768704.73	1.158E-07	5.22E-08	0.00E+00	1.68E-07	1.15E-07	7.60E-08	0.00E+00	1.91E-07	2.10E-08	1.29E-08	0.00E+00	3.40E-08	1.17E-08	1.12E-08	0.00E+00	2.29E-08
3404	481178.22	3768714.14	1.063E-07	4.80E-08	0.00E+00	1.54E-07	1.05E-07	6.98E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.10E-08
3405	481175.36	3768723.56	9.779E-08	4.41E-08	0.00E+00	1.42E-07	9.68E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.43E-09	0.00E+00	1.94E-08
3406	481172.5	3768732.97	9.008E-08	4.06E-08	0.00E+00	1.31E-07	8.91E-08	5.91E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.64E-08	9.14E-09	8.69E-09	0.00E+00	1.78E-08
3407	481163.92	3768761.21	7.11E-08	3.21E-08	0.00E+00	1.03E-07	7.04E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.95E-09	0.00E+00	2.09E-08	7.21E-09	6.86E-09	0.00E+00	1.41E-08
3408	481161.06	3768770.63	6.592E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.33E-08	0.00E+00	1.08E-07	1.20E-08	7.37E-09	0.00E+00	1.93E-08	6.69E-09	6.36E-09	0.00E+00	1.30E-08
3409	481158.2	3768780.04	6.121E-08	2.76E-08	0.00E+00	8.88E-08	6.06E-08	4.02E-08	0.00E+00	1.01E-07	1.11E-08	6.84E-09	0.00E+00	1.80E-08	6.21E-09	5.91E-09	0.00E+00	1.21E-08
3410	481155.34	3768789.46	5.693E-08	2.57E-08	0.00E+00	8.26E-08	5.63E-08	3.74E-08	0.00E+00	9.37E-08	1.03E-08	6.36E-09	0.00E+00	1.67E-08	5.77E-09	5.49E-09	0.00E+00	1.13E-08
3411	481152.48	3768798.87	5.304E-08	2.39E-08	0.00E+00	7.70E-08	5.25E-08	3.48E-08	0.00E+00	8.73E-08	9.64E-09	5.93E-09	0.00E+00	1.56E-08	5.38E-09	5.12E-09	0.00E+00	1.05E-08
3412	481143.76	3768827.58	4.315E-08	1.95E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.84E-09	4.82E-09	0.00E+00	1.27E-08	4.38E-09	4.16E-09	0.00E+00	8.54E-09
3413	481118.44	3768882.59	3.11E-08	1.40E-08	0.00E+00	4.51E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.65E-09	3.48E-09	0.00E+00	9.13E-09	3.15E-09	3.00E-09	0.00E+00	6.15E-09
3414	481104.94	3768909.78	2.697E-08	1.22E-08	0.00E+00	3.91E-08	2.67E-08	1.77E-08	0.00E+00	4.44E-08	4.90E-09	3.01E-09	0.00E+00	7.91E-09	2.74E-09	2.60E-09	0.00E+00	5.34E-09
3415	481117.61	3768913.69	2.525E-08	1.14E-08	0.00E+00	3.66E-08	2.50E-08	1.66E-08	0.00E+00	4.16E-08	4.59E-09	2.82E-09	0.00E+00	7.41E-09	2.56E-09	2.44E-09	0.00E+00	5.00E-09
3416	481095.88	3768938.38	2.307E-08	1.04E-08	0.00E+00	3.35E-08	2.28E-08	1.51E-08	0.00E+00	3.80E-08	4.19E-09	2.58E-09	0.00E+00	6.77E-09	2.34E-09	2.23E-09	0.00E+00	4.57E-09
3417	481108.89	3768942.4	2.164E-08	9.76E-09	0.00E+00	3.14E-08	2.14E-08	1.42E-08	0.00E+00	3.56E-08	3.93E-09	2.42E-09	0.00E+00	6.35E-09	2.20E-09	2.09E-09	0.00E+00	4.28E-09
3426	481256.86	3768542.26	7.419E-07	3.35E-07	0.00E+00	1.08E-06	7.34E-07	4.87E-07	0.00E+00	1.22E-06	1.35E-07	8.29E-08	0.00E+00	2.18E-07	7.53E-08	7.16E-08	0.00E+00	1.47E-07
3427	481238.46	3768547.34	6.571E-07	2.96E-07	0.00E+00	9.54E-07	6.50E-07	4.31E-07	0.00E+00	1.08E-06	1.19E-07	7.34E-08	0.00E+00	1.93E-07	6.67E-08	6.34E-08	0.00E+00	1.30E-07
3428	481254.23	3768551.73	6.358E-07	2.87E-07	0.00E+00	9.22E-07	6.29E-07	4.17E-07	0.00E+00	1.05E-06	1.16E-07	7.11E-08	0.00E+00	1.87E-07	6.45E-08	6.13E-08	0.00E+00	1.26E-07
3429	481235.82	3768556.82	5.74E-07	2.59E-07	0.00E+00	8.33E-07	5.68E-07	3.77E-07	0.00E+00	9.45E-07	1.04E-07	6.42E-08	0.00E+00	1.68E-07	5.82E-08	5.54E-08	0.00E+00	1.14E-07
3430	481251.59	3768561.21	5.514E-07	2.49E-07	0.00E+00	8.00E-07	5.46E-07	3.62E-07	0.00E+00	9.07E-07	1.00E-07	6.16E-08	0.00E+00	1.62E-07	5.59E-08	5.32E-08	0.00E+00	1.09E-07
3431	481233.18	3768566.3	5.057E-07	2.28E-07	0.00E+00	7.34E-07	5.00E-07	3.32E-07	0.00E+00	8.32E-07	9.19E-08	5.65E-08	0.00E+00	1.48E-07	5.13E-08	4.88E-08	0.00E+00	1.00E-07
3432	481248.95	3768570.69	4.824E-07	2.18E-07	0.00E+00	7.00E-07	4.77E-07	3.17E-07	0.00E+00	7.94E-07	8.76E-08	5.39E-08	0.00E+00	1.42E-07	4.89E-08	4.65E-08	0.00E+00	9.55E-08
3433	481230.54	3768575.78	4.479E-07	2.02E-07	0.00E+00	6.50E-07	4.43E-07	2.94E-07	0.00E+00	7.37E-07	8.14E-08	5.01E-08	0.00E+00	1.31E-07	4.54E-08	4.32E-08	0.00E+00	8.86E-08
3434	481246.31	3768580.17	4.246E-07	1.91E-07	0.00E+00	6.16E-07	4.20E-07	2.79E-07	0.00E+00	6.99E-07	7.71E-08	4.75E-08	0.00E+00	1.25E-07	4.31E-08	4.10E-08	0.00E+00	8.40E-08
3435	481227.9	3768585.26	3.982E-07	1.80E-07	0.00E+00	5.78E-07	3.94E-07	2.61E-07	0.00E+00	6.55E-07	7.24E-08	4.45E-08	0.00E+00	1.17E-07	4.04E-08	3.84E-08	0.00E+00	7.88E-08
3436	481243.67	3768589.65	3.754E-07	1.69E-07	0.00E+00	5.45E-07	3.71E-07	2.46E-07	0.00E+00	6.18E-07	6.82E-08	4.20E-08	0.00E+00	1.10E-07	3.81E-08	3.62E-08	0.00E+00	7.43E-08
3437	481225.26	3768594.74	3.552E-07	1.60E-07	0.00E+00	5.15E-07	3.51E-07	2.33E-07	0.00E+00	5.84E-07	6.45E-08	3.97E-08	0.00E+00	1.04E-07	3.60E-08	3.43E-08	0.00E+00	7.03E-08
3438	481241.03	3768599.13	3.331E-07	1.50E-07	0.00E+00	4.83E-07	3.30E-07	2.19E-07	0.00E+00	5.48E-07	6.05E-08	3.72E-08	0.00E+00	9.78E-08	3.38E-08	3.21E-08	0.00E+00	6.59E-08
3439	481222.62	3768604.21	3.177E-07	1.43E-07	0.00E+00	4.61E-07	3.14E-07	2.08E-07	0.00E+00	5.23E-07	5.77E-08	3.55E-08	0.00E+00	9.32E-08	3.22E-08	3.07E-08	0.00E+00	6.29E-08
3440	481238.39	3768608.6	2.966E-07	1.34E-07	0.00E+00	4.30E-07	2.93E-07	1.95E-07	0.00E+00	4.88E-07	5.39E-08	3.31E-08	0.00E+00	8.70E-08	3.01E-08	2.86E-08	0.00E+00	5.87E-08
3441	481219.99	3768613.69	2.85E-07	1.29E-07	0.00E+00	4.13E-07	2.82E-07	1.87E-07	0.00E+00	4.69E-07	5.18E-08	3.18E-08	0.00E+00	8.36E-08	2.89E-08	2.75E-08	0.00E+00	5.64E-08
3442	481235.76	3768618.08	2.648E-07	1.19E-07	0.00E+00	3.84E-07	2.62E-07	1.74E-07	0.00E+00	4.36E-07	4.81E-08	2.96E-08	0.00E+00	7.77E-08	2.69E-08	2.55E-08	0.00E+00	5.24E-08
3443	481217.35	3768623.17	2.562E-07	1.16E-07	0.00E+00	3.72E-07	2.53E-07	1.68E-07	0.00E+00	4.22E-07	4.65E-08	2.86E-08	0.00E+00	7.52E-08	2.60E-08	2.47E-08	0.00E+00	5.07E-08
3444	481233.12	3768627.56	2.371E-07	1.07E-07	0.00E+00	3.44E-07	2.35E-07	1.56E-07	0.00E+00	3.90E-07	4.31E-08	2.65E-08	0.00E+00	6.96E-08	2.41E-08	2.29E-08	0.00E+00	4.69E-08
3445	481214.71	3768632.65	2.308E-07	1.04E-07	0.00E+00	3.35E-07	2.28E-07	1.51E-07	0.00E+00	3.80E-07	4.19E-08	2.58E-08	0.00E+00	6.77E-08	2.34E-08	2.23E-08	0.00E+00	4.57E-08
3446	481230.48	3768637.04	2.129E-07	9.60E-08	0.00E+00	3.09E-07	2.11E-07	1.40E-07	0.00E+00	3.50E-07	3.87E-08	2.38E-08	0.00E+00	6.25E-08	2.16E-08	2.05E-08	0.00E+00	4.21E-08
3447	481212.07	3768642.13	2.084E-07	9.40E-08	0.00E+00	3.02E-07	2.06E-07	1.37E-07	0.00E+00	3.43E-07	3.79E-08	2.33E-08	0.00E+00	6.11E-08	2.11E-08	2.01E-08	0.00E+00	4.12E-08
3448	481227.84	3768646.52	1.916E-07	8.64E-08	0.00E+00	2.78E-07	1.90E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.62E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
3449

3471	481175.13	3768774.82	6.044E-08	2.73E-08	0.00E+00	8.77E-08	5.98E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.77E-08	6.13E-09	5.83E-09	0.00E+00	1.20E-08
3472	481190.9	3768779.21	5.476E-08	2.47E-08	0.00E+00	7.95E-08	5.42E-08	3.59E-08	0.00E+00	9.01E-08	9.95E-09	6.12E-09	0.00E+00	1.61E-08	5.55E-09	5.28E-09	0.00E+00	1.08E-08
3473	481172.49	3768784.3	5.607E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.23E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
3474	481188.26	3768788.69	5.084E-08	2.29E-08	0.00E+00	7.38E-08	5.03E-08	3.34E-08	0.00E+00	8.37E-08	9.24E-09	5.68E-09	0.00E+00	1.49E-08	5.16E-09	4.90E-09	0.00E+00	1.01E-08
3475	481169.85	3768793.78	5.21E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.57E-08	9.47E-09	5.82E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
3476	481185.62	3768798.17	4.729E-08	2.13E-08	0.00E+00	6.86E-08	4.68E-08	3.10E-08	0.00E+00	7.78E-08	8.59E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.56E-09	0.00E+00	9.36E-09
3477	481167.22	3768803.26	4.85E-08	2.19E-08	0.00E+00	7.04E-08	4.80E-08	3.18E-08	0.00E+00	7.98E-08	8.81E-09	5.42E-09	0.00E+00	1.42E-08	4.92E-09	4.68E-09	0.00E+00	9.60E-09
3478	481182.99	3768807.65	4.407E-08	1.99E-08	0.00E+00	6.39E-08	4.36E-08	2.89E-08	0.00E+00	7.25E-08	8.01E-09	4.93E-09	0.00E+00	1.29E-08	4.47E-09	4.25E-09	0.00E+00	8.72E-09
3479	481159.17	3768832.16	3.941E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.16E-09	4.40E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
3480	481174.94	3768836.55	3.594E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.05E-08	3.65E-09	3.47E-09	0.00E+00	7.11E-09
3481	481147.03	3768859.87	3.329E-08	1.50E-08	0.00E+00	4.83E-08	3.29E-08	2.18E-08	0.00E+00	5.48E-08	6.05E-09	3.72E-09	0.00E+00	9.77E-09	3.38E-09	3.21E-09	0.00E+00	6.59E-09
3482	481159.01	3768863.26	3.113E-08	1.40E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.00E-09	0.00E+00	6.16E-09
3483	481143.08	3768889.96	2.723E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.79E-08	0.00E+00	4.48E-08	4.95E-09	3.04E-09	0.00E+00	7.99E-09	2.76E-09	2.63E-09	0.00E+00	5.39E-09
3484	481158.85	3768894.35	2.507E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
3485	481142.92	3768921.06	2.222E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.48E-09	0.00E+00	6.52E-09	2.25E-09	2.14E-09	0.00E+00	4.40E-09
3491	481270.5	3768545.92	7.187E-07	3.24E-07	0.00E+00	1.04E-06	7.11E-07	4.72E-07	0.00E+00	1.18E-06	1.31E-07	8.03E-08	0.00E+00	2.11E-07	7.29E-08	6.93E-08	0.00E+00	1.42E-07
3492	481267.94	3768555.42	6.116E-07	2.76E-07	0.00E+00	8.87E-07	6.05E-07	4.01E-07	0.00E+00	1.01E-06	1.11E-07	6.84E-08	0.00E+00	1.79E-07	6.20E-08	5.90E-08	0.00E+00	1.21E-07
3493	481265.39	3768564.92	5.269E-07	2.38E-07	0.00E+00	7.65E-07	5.21E-07	3.46E-07	0.00E+00	8.67E-07	9.57E-08	5.89E-08	0.00E+00	1.55E-07	5.34E-08	5.08E-08	0.00E+00	1.04E-07
3494	481262.84	3768574.42	4.58E-07	2.07E-07	0.00E+00	6.65E-07	4.53E-07	3.01E-07	0.00E+00	7.54E-07	8.32E-08	5.12E-08	0.00E+00	1.34E-07	4.65E-08	4.42E-08	0.00E+00	9.06E-08
3495	481260.29	3768583.93	4.007E-07	1.81E-07	0.00E+00	5.81E-07	3.96E-07	2.63E-07	0.00E+00	6.59E-07	7.28E-08	4.48E-08	0.00E+00	1.18E-07	4.06E-08	3.87E-08	0.00E+00	7.93E-08
3496	481257.74	3768593.43	3.523E-07	1.59E-07	0.00E+00	5.11E-07	3.49E-07	2.31E-07	0.00E+00	5.80E-07	6.40E-08	3.94E-08	0.00E+00	1.03E-07	3.57E-08	3.40E-08	0.00E+00	6.97E-08
3497	481255.19	3768602.93	3.112E-07	1.40E-07	0.00E+00	4.52E-07	3.08E-07	2.04E-07	0.00E+00	5.12E-07	5.65E-08	3.48E-08	0.00E+00	9.13E-08	3.16E-08	3.00E-08	0.00E+00	6.16E-08
3498	481252.64	3768612.43	2.759E-07	1.24E-07	0.00E+00	4.00E-07	2.73E-07	1.81E-07	0.00E+00	4.54E-07	5.01E-08	3.08E-08	0.00E+00	8.10E-08	2.80E-08	2.66E-08	0.00E+00	5.46E-08
3499	481250.08	3768621.93	2.454E-07	1.11E-07	0.00E+00	3.56E-07	2.43E-07	1.61E-07	0.00E+00	4.04E-07	4.46E-08	2.74E-08	0.00E+00	7.20E-08	2.49E-08	2.37E-08	0.00E+00	4.86E-08
3500	481247.53	3768631.44	2.189E-07	9.87E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.60E-07	3.98E-08	2.45E-08	0.00E+00	6.42E-08	2.22E-08	2.11E-08	0.00E+00	4.33E-08
3501	481244.98	3768640.94	1.959E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
3502	481242.43	3768650.44	1.757E-07	7.93E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.70E-08	0.00E+00	3.48E-08
3503	481239.88	3768659.94	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
3504	481237.33	3768669.44	1.425E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.35E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.18E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
3505	481234.78	3768678.95	1.288E-07	5.81E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
3506	481232.22	3768688.45	1.168E-07	5.27E-08	0.00E+00	1.69E-07	1.16E-07	7.66E-08	0.00E+00	1.92E-07	2.12E-08	1.30E-08	0.00E+00	3.43E-08	1.18E-08	1.13E-08	0.00E+00	2.31E-08
3507	481229.67	3768697.95	1.061E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.96E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.11E-08	1.08E-08	1.02E-08	0.00E+00	2.10E-08
3508	481227.12	3768707.45	9.656E-08	4.35E-08	0.00E+00	1.40E-07	9.55E-08	6.34E-08	0.00E+00	1.59E-07	1.75E-08	1.08E-08	0.00E+00	2.83E-08	9.79E-09	9.31E-09	0.00E+00	1.91E-08
3509	481224.57	3768716.96	8.811E-08	3.97E-08	0.00E+00	1.28E-07	8.72E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.85E-09	0.00E+00	2.59E-08	8.94E-09	8.50E-09	0.00E+00	1.74E-08
3510	481222.02	3768726.46	8.06E-08	3.63E-08	0.00E+00	1.17E-07	7.98E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.37E-08	8.18E-09	7.78E-09	0.00E+00	1.60E-08
3511	481212.78	3768734.16	7.726E-08	3.48E-08	0.00E+00	1.12E-07	7.65E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.84E-09	7.45E-09	0.00E+00	1.53E-08
3512	481205.13	3768762.67	6.03E-08	2.72E-08	0.00E+00	8.75E-08	5.97E-08	3.96E-08	0.00E+00	9.92E-08	1.10E-08	6.74E-09	0.00E+00	1.77E-08	6.12E-09	5.82E-09	0.00E+00	1.19E-08
3513	481202.58	3768772.17	5.576E-08	2.51E-08	0.00E+00	8.09E-08	5.52E-08	3.66E-08	0.00E+00	9.18E-08	1.01E-08	6.23E-09	0.00E+00	1.64E-08	5.66E-09	5.38E-09	0.00E+00	1.10E-08
3514	481200.02	3768781.68	5.167E-08	2.33E-08	0.00E+00	7.50E-08	5.11E-08	3.39E-08	0.00E+00	8.50E-08	9.39E-09	5.77E-09	0.00E+00	1.52E-08	5.24E-09	4.98E-09	0.00E+00	1.02E-08
3515	481197.47	3768791.18	4.797E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.49E-09
3516	481194.92	3768800.68	4.463E-08	2.01E-08	0.00E+00	6.48E-08	4.42E-08	2.93E-08	0.00E+00	7.35E-08	8.11E-09	4.99E-09	0.00E+00	1.31E-08	4.53E-09	4.31E-09	0.00E+00	8.83E-09
3517	481192.37	3768810.18	4.16E-08	1.88E-08	0.00E+00	6.04E-08	4.12E-08	2.73E-08	0.00E+00	6.85E-08	7.56E-09	4.65E-09	0.00E+00	1.22E-08	4.22E-09	4.01E-09	0.00E+00	8.23E-09
3518	481184.59	3768839.16	3.398E-08	1.53E-08	0.00E+00	4.93E-08	3.36E-08	2.23E-08	0.00E+00	5.59E-08	6.17E-09	3.80E-09	0.00E+00	9.97E-09	3.45E-09	3.28E-09	0.00E+00	6.72E-09
3519	481170.13	3768866.33	2.927E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.82E-08	5.32E-09	3.27E-09	0.00E+00	8.59E-09	2.97E-09	2.82E-09	0.00E+00	5.79E-09
3520	481183.5	3768869.92	2.721E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.79E-08	0.00E+00	4.48E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
3521	481169.03	3768897.1	2.379E-08	1.07E-08	0.00E+00	3.45E-08	2.35E-08	1.56E-08	0.00E+00	3.92E-08	4.32E-09	2.66E-09	0.00E+00	6.98E-09	2.41E-09	2.30E-09	0.00E+00	4.71E-09
3522	481154.57	3768924.28	2.1E-08	9.47E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.16E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
3523	481167.94	3768927.87	1.972E-08	8.89E-09	0.00E+00	2.86E-08	1.95E-08	1.29E-08	0.00E+00	3.24E-08	3.58E-09	2.20E-09	0.00E+00	5.79E-09	2.00E-09	1.90E-09	0.00E+00	3.90E-09
3524	481146.79	3768953.25	1.814E-08	8.18E-09	0.00E+00	2.63E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
3525	481160.16	3768956.84	1.711E-08	7.72E-09	0.00E+00	2.48E-08	1.69E-08	1.12E-08	0.00E+00	2.82E-08	3.11E-09	1.91E-09	0.00E+00	5.02E-09	1.74E-09	1.65E-09	0.00E+00	3.39E-09
3526	481139.01	3768982.23	1.585E-08	7.15E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.65E-09	1.61E-09	1.53E-09	0.00E+00	3.14E-09
3527	481152.38	3768985.82	1.502E-08	6.77E-09	0.00E+00	2.18E-08	1.49E-08	9.85E-09	0.00E+00	2.47E-08	2.73E-09	1.68E-09	0.00E+00	4.41E-09	1.52E-09	1.45E-09	0.00E+00	2.97E-09
3528	481144.6	3769014.79	1.331E-08	6.00E-09	0.00E+00	1.93E-08	1.32E-08	8.73E-09	0.00E+00	2.19E-08	2.42E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
3529	481278.47	3768557.34	5.973E-07	2.69E-07	0.00E+00	8.67E-07	5.91E-07	3.92E-07	0.00E+00	9.83E-07	1.09E-07	6.68E-08	0.00E+00	1.75E-07	6.06E-08	5.76E-08	0.00E+00	1.18E-07
3530	481276.88	3768567.05	5.102E-07	2.30E-07	0.00E+00	7.40E-07	5.05E-07	3.35E-07	0.00E+00	8.40E-07	9.27E-08	5.70E-08	0.00E+00	1.50E-07	5.18E-08	4.92E-08	0.00E+00	1.01E-07
3531	481275.29	3768576.76	4.394E-07	1.98E-07	0.00E+00	6.38E-07	4.35E-07	2.88E-07	0.00E+00	7.23E-07	7.98E-08	4.91E-08	0.00E+00	1.29E-07	4.46E-08	4.24E-08	0.00E+00	8.70E-08
3532	481273.7	3768586.47	3.809E-07	1.72E-07	0.00E+00	5.53E-07	3.77E-07	2.50E-07	0.00E+00	6.27E-07	6.92E-08	4.26E-08	0.00E+00	1.12E-07	3.86E-08	3.67E-08	0.00E+00	7.54E-08
3533	481272.11	3768596.18	3.317E-07	1.50E-07	0.00E+00	4.81E-07	3.28E-07	2.18E-07	0.00E+00	5.46E-07	6.03E-08	3.71E-08	0.00E+00	9.73E-08	3.36E-08	3.20E-08	0.00E+00	6.56E-08
3534	481270.52	3768605.89	2.902E-07	1.31E-07	0.00E+00	4.21E-07	2.87E-07	1.90E-07	0.00E+00	4.78E-07	5.27E-08	3.24E-08	0.00E+00	8.51E-08	2.94E-08	2.80E-08	0.00E+00	5.74E-08
3535	481262.25	3768614.5	2.629E-07	1.19E-07	0.00E+00	3.81E-07	2.60E-07	1.73E-07	0.00E+00	4.33E-07	4.78E-08	2.94E-08	0.00E+00	7.72E-08	2.67E-08	2.54E-08	0.00E+00	5.20E-08
3536	481275.62	3768616.69	2.465E-07	1.11E-07	0.00E+00	3.58E-07	2.44E-07	1.62E-07	0.00E+00	4.06E-07	4.48E-08	2.75E-08	0.00E+00	7.23E-08	2.50E-08	2.38E-08	0.00E+00	4.88E-08
3537	481260.66	3768624.21	2.321E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.52E-07	0.00E+00	3.82E-07	4.22E-08	2.59E-08	0.00E+00	6.81E-08	2.35E-08	2.24E-08	0.00E+00	4.59E-08
3538	481274.03	3768626.4	2.167E-07	9.77E-08	0.00E+00	3.14E-07	2.14E-07	1.42E-07	0.00E+00	3.57E-07	3.94E-08	2.42E-08	0.00E+00	6.36E-08	2.20E-08	2.09E-08	0.00E+00	4.29E-08
3539	481259.07	3768633.92	2.054E-07	9.27E-08	0.00E+00	2.98E-07	2.03E-07	1.35E-07	0.00E+00	3.38E-07	3.73E-08	2.30E-08	0.00E+00	6.03E-08	2.08E-08	1.98E-08	0.00E+00	4.07E-08
3540	481272.44	3768636.11	1.912E-07	8.62E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.15E-07	3.47E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
3541	481257.48	3768643.63	1.824E-07	8.22E-08	0.00E+00	2.65E-07	1.80E-07	1.20E-07	0.00E+00	3.00E-07	3.31E-08	2.04E-08	0.00E+00	5.35E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
3542	481270.85	3768645.82	1.693E-07	7.63E-08	0.00E+00	2.46E-07	1.67E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.89E-08	0.00E+00	4.97E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
3543	481251.4	3768652.37	1.668E-07	7.52E-08	0.00E+00	2.42E-07	1.65E-07	1.09E-07	0.00E+00	2.75E-07	3.03E-08	1.86E-08	0.00E+00	4.90E-08	1.69E-08	1.61E-08	0.00E+00	3.30E-08
3544	481262.57	3768654.44	1.563E-07	7.05E-08	0.00E+00	2.27E-07	1.55E-07	1.03E-07	0.00E+00	2.57E-07	2.84E-08	1.75E-08	0.00E+00	4.59E-08	1.59E-08	1.51E-08	0.00E+00	3.09E-08
3545	481249.49	3768662.01	1.493E-07	6.73E-08	0.00E+00	2.17E-07	1.48E-07	9.80E-08	0.00E+00	2.46E-07	2.71E-08	1.67E-08	0.00E+00	4.38E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
3546	481260.98	3768664.15	1.394E-07	6.28E-08	0.00E+00	2.02E-07	1.38E-07	9.14E-08	0.00E+00	2.29E-07	2.53E-08	1.56E-08	0.00E+00	4.09E-08	1.41E-08	1.34E-08	0.00E+00	2.76E-08
3547	481247.58	3768671.65	1.339E-07	6.04E-08	0.00E+00	1.94E-07	1.33E-07	8.79E-08	0.00E+00	2.20E-07	2.43E-08	1.50E-08	0.00E+00	3.93E-08	1.36E-08	1.29E-08	0.00E+00	2.65E-08
3548	481259.39	3768673.85	1.246E-07	5.62E-08	0.00E+00	1.81E-07	1.23E-07	8.18E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.66E-08	1.26E-08	1.20E-08	0.00E+00	2.47E-08
3549	481245.67	3768681.29	1.205E-07	5.43E-08	0.00E+00	1.75E-07	1.19E-07	7.91E-08	0.00E+00	1.98E-07	2.19E-08	1.35E-08	0.00E+00	3.54E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
3550	481257.8	3768683.56	1.117E-07	5.04E-08	0.00E+00	1.62E-07	1.11E-07	7.33E-08	0.00E+00	1.84E-07	2.03E-08	1.25E-08	0.00E+00	3.28E-08	1.13E-08	1.08E-08	0.00E+00	2.21E-08
3551	481243.76	3768690.94	1.086E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.13E-08	0.00E+00	1.79E-07	1.97E-08	1.21E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
3552	481256.21	3768693.27	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.94E-08	6.59E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.69E-09	0.00E+00	1.99E-08
3553	481241.85	3768700.58	9.822E-08	4.43E-08	0.00E+00	1.43E-07	9.72E-08	6.45E-08	0.00E+00	1.62E-07	1.78E-08	1.10E-08	0.00E+00	2.88E-08	9.96E-09	9.48E-09	0.00E+00	1.94E-08
3554	481254.62	3768702.98	9.061E-08	4.09E-08	0.00E+00	1.31E-07	8.97E-08	5.95E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.19E-09	8.74E-09	0.00E+00	1.79E-08
3555	481239.94	3768710.22	8.903E-08	4.01E-08	0.00E+00	1.29E-07	8.81E-08	5.84E-08	0.00E+00	1.47E-07	1.62E-08	9.95E-09	0.00E+00	2.61E-08	9.03E-09	8.59E-09	0.00E+00	1.76E-08
3556	481253.03	3768712.69	8.192E-08	3.69E-08	0.00E+00	1.19E-07	8.11E-08	5.38E-08	0.00E+00	1.35E-07	1.49E-08	9.16E-09	0.00E+00	2.40E-08	8.31E-09	7.90E-09	0.00E+00	1.62E-08
3557	481239.71	3768720.22	8.002E-08	3.61E-08	0.00E+00	1.16E-07	7.92E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.94E-09	0.00E+00	2.35E-08	8.12E-09	7.72E-09	0.00E+00	1.58E-08
3558	481251.44	3768722.4	7.428E-08	3.35E-08	0.00E+00	1.08E-07	7.35E-08	4.87E-08	0.00E+00	1.22E-07	1.35E-08	8.30E-09	0.00E+00	2.18E-08	7.54E-09	7.17E-09	0.00E+00	1.47E-08
3559	481237.88	3768729.88	7.286E-08	3.29E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.14E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
3560	481249.85	3768732.11	6.755E-08	3.05E-08	0.00E+00	9.80E-08	6.68E-08	4.43E-08	0.00E+00	1.11E-07	1.23E-08	7.55E-09	0.00E+00	1.98E-08	6.85E-09	6.52E-09	0.00E+00	1.34E-08
3561	481232.38	3768758.85	5.586E-08	2.52E-08	0.00E+00	8.11E-08	5.53E-08	3.67E-08	0.00E+00	9.19E-08	1.02E-08	6.24E-09	0.00E+00	1.64E-08	5.67E-09	5.39E-09	0.00E+00	1.11E-08
3562	481220.37	3768756.26	6.025E-08	2.72E-08	0.00E+00	8.74E-08	5.96E-08	3.95E-08	0.00E+00	9.92E-08	1.09E-08	6.73E-09	0.00E+00	1.77E-08	6.11E-09	5.81E-09	0.00E+00	1.19E-08
3563	481245.08	3768761.24	5.165E-08	2.33E-08	0.00E+00	7.49E-08	5.11E-08	3.39E-08	0.00E+00	8.50E-08	9.38E-09	5.77E-09	0.00E+00	1.52E-08	5.24E-09	4.98E-09	0.00E+00	1.02E-08
3564	481230.55	3768768.51	5.139E-08	2.32E-08	0.00E+00	7.46E-08	5.09E-08	3.37E-08	0.00E+00	8.46E-08	9.34E-09	5.74E-09	0.00E+00	1.51E-08	5.21E-09	4.96E-09	0.00E+00	1.02E-08
3565	481218.06	3768765.81	5.555E-08	2.51E-08	0.00E+00	8.06E-08	5.50E-08	3.65E-08	0.00E+00	9.14E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.63E-09	5.36E-09	0.00E+00	1.10E-08
3566	481243.49	3768770.95	4.749E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.12E-08	0.00E+00	7.82E-08	8.63E-09	5.31E-09	0.00E+00	1.39E-08	4.82E-09	4.58E-09	0.00E+00	9.40E-09
3567	481228.72	3768778.16	4.74E-08	2.14E-08	0.00E+00	6.88E-08	4.69E-08	3.11E-08	0.00E+00	7.80E-08	8.61E-09	5.30E-09	0.00E+00	1.39E-08	4.81E-09	4.57E-09	0.00E+00	9.38E-09
3568	481215.75	3768775.37	5.133E-08	2.31E-08	0.00E+00	7.45E-08	5.08E-08	3.37E-08	0.00E+00	8.45E-08	9.33E-09	5.74E-09	0.00E+00	1.51E-08	5.21E-09	4.95E-09	0.00E+00	1.02E-08
3569	481241.89	3768780.66	4.379E-08	1.98E-08	0.00E+00	6.35E-08	4.33E-08	2.87E-08	0.00E+00	7.21E-08	7.96E-09	4.89E-09	0.00E+00	1.29E-08	4.44E-09	4.22E-09	0.00E+00	8.67E-09
3570	481228.24	3768788.11	4.346E-08	1.96E-08	0.00E+00	6.31E-08	4.30E-08	2.85E-08	0.00E+00	7.15E-08	7.90E-09	4.86E-09	0.00E+00	1.28E-08	4.41E-09	4.19E-09	0.00E+00	8.60E-09
3571	481217.47	3768785.79	4.639E-08	2.09E-08	0.00E+00	6.73E-08	4.59E-08	3.04E-08	0.00E+00	7.64E-08	8.43E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.18E-09

3594	481179.8	3768930.43	1.874E-08	8.45E-09	0.00E+00	2.72E-08	1.85E-08	1.23E-08	0.00E+00	3.08E-08	3.40E-09	2.09E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
3595	481216.14	3768937.92	1.619E-08	7.30E-09	0.00E+00	2.35E-08	1.60E-08	1.06E-08	0.00E+00	2.66E-08	2.94E-09	1.81E-09	0.00E+00	4.75E-09	1.64E-09	1.56E-09	0.00E+00	3.20E-09
3596	481198.25	3768965.06	1.478E-08	6.67E-09	0.00E+00	2.14E-08	1.46E-08	9.70E-09	0.00E+00	2.43E-08	2.69E-09	1.65E-09	0.00E+00	4.34E-09	1.50E-09	1.43E-09	0.00E+00	2.93E-09
3597	481185.55	3768962.32	1.55E-08	6.99E-09	0.00E+00	2.25E-08	1.53E-08	1.02E-08	0.00E+00	2.55E-08	2.82E-09	1.73E-09	0.00E+00	4.55E-09	1.57E-09	1.50E-09	0.00E+00	3.07E-09
3598	481172.86	3768959.58	1.627E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
3599	481211.29	3768967.52	1.413E-08	6.37E-09	0.00E+00	2.05E-08	1.40E-08	9.27E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
3600	481193.83	3768994.76	1.298E-08	5.85E-09	0.00E+00	1.88E-08	1.28E-08	8.52E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.81E-09	1.32E-09	1.25E-09	0.00E+00	2.57E-09
3601	481181.99	3768992.2	1.351E-08	6.09E-09	0.00E+00	1.96E-08	1.34E-08	8.87E-09	0.00E+00	2.22E-08	2.45E-09	1.51E-09	0.00E+00	3.96E-09	1.37E-09	1.30E-09	0.00E+00	2.67E-09
3602	481170.14	3768989.65	1.408E-08	6.35E-09	0.00E+00	2.04E-08	1.39E-08	9.24E-09	0.00E+00	2.32E-08	2.56E-09	1.57E-09	0.00E+00	4.13E-09	1.43E-09	1.36E-09	0.00E+00	2.79E-09
3603	481206.44	3768997.13	1.247E-08	5.63E-09	0.00E+00	1.81E-08	1.23E-08	8.19E-09	0.00E+00	2.05E-08	2.27E-09	1.39E-09	0.00E+00	3.66E-09	1.27E-09	1.20E-09	0.00E+00	2.47E-09
3604	481176.04	3769021.57	1.2E-08	5.41E-09	0.00E+00	1.74E-08	1.19E-08	7.88E-09	0.00E+00	1.98E-08	2.18E-09	1.34E-09	0.00E+00	3.52E-09	1.22E-09	1.16E-09	0.00E+00	2.38E-09
3605	481163.46	3769018.86	1.25E-08	5.64E-09	0.00E+00	1.81E-08	1.24E-08	8.20E-09	0.00E+00	2.06E-08	2.27E-09	1.40E-09	0.00E+00	3.67E-09	1.27E-09	1.21E-09	0.00E+00	2.47E-09
3606	481191.89	3769085.94	9.048E-09	4.08E-09	0.00E+00	1.31E-08	8.95E-09	5.94E-09	0.00E+00	1.49E-08	1.64E-09	1.01E-09	0.00E+00	2.66E-09	9.18E-10	8.73E-10	0.00E+00	1.79E-09
3607	481173.79	3769113.04	8.492E-09	3.83E-09	0.00E+00	1.23E-08	8.40E-09	5.57E-09	0.00E+00	1.40E-08	1.54E-09	9.49E-10	0.00E+00	2.49E-09	8.61E-10	8.19E-10	0.00E+00	1.68E-09
3608	481160.66	3769110.21	8.767E-09	3.95E-09	0.00E+00	1.27E-08	8.68E-09	5.75E-09	0.00E+00	1.44E-08	1.59E-09	9.80E-10	0.00E+00	2.57E-09	8.89E-10	8.46E-10	0.00E+00	1.74E-09
3609	481147.52	3769107.38	9.059E-09	4.09E-09	0.00E+00	1.31E-08	8.96E-09	5.94E-09	0.00E+00	1.49E-08	1.65E-09	1.01E-09	0.00E+00	2.66E-09	9.19E-10	8.74E-10	0.00E+00	1.79E-09
3610	481134.39	3769104.54	9.373E-09	4.23E-09	0.00E+00	1.36E-08	9.27E-09	6.15E-09	0.00E+00	1.54E-08	1.70E-09	1.05E-09	0.00E+00	2.75E-09	9.51E-10	9.04E-10	0.00E+00	1.85E-09
3611	481187.04	3769115.55	8.242E-09	3.72E-09	0.00E+00	1.20E-08	8.16E-09	5.41E-09	0.00E+00	1.36E-08	1.50E-09	9.21E-10	0.00E+00	2.42E-09	8.36E-10	7.95E-10	0.00E+00	1.63E-09
3612	481294.7	3768559.84	5.733E-07	2.59E-07	0.00E+00	8.32E-07	5.67E-07	3.76E-07	0.00E+00	9.44E-07	1.04E-07	6.41E-08	0.00E+00	1.68E-07	5.82E-08	5.53E-08	0.00E+00	1.13E-07
3613	481303.58	3768561.14	5.58E-07	2.52E-07	0.00E+00	8.10E-07	5.52E-07	3.66E-07	0.00E+00	9.18E-07	1.01E-07	6.24E-08	0.00E+00	1.64E-07	5.66E-08	5.38E-08	0.00E+00	1.10E-07
3614	481293.27	3768569.58	4.852E-07	2.19E-07	0.00E+00	7.04E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.82E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.60E-08
3615	481291.85	3768579.31	4.144E-07	1.87E-07	0.00E+00	6.01E-07	4.10E-07	2.72E-07	0.00E+00	6.82E-07	7.53E-08	4.63E-08	0.00E+00	1.22E-07	4.20E-08	4.00E-08	0.00E+00	8.20E-08
3616	481290.42	3768589.05	3.563E-07	1.61E-07	0.00E+00	5.17E-07	3.53E-07	2.34E-07	0.00E+00	5.86E-07	6.47E-08	3.98E-08	0.00E+00	1.05E-07	3.61E-08	3.44E-08	0.00E+00	7.05E-08
3617	481289	3768598.78	3.081E-07	1.39E-07	0.00E+00	4.47E-07	3.05E-07	2.02E-07	0.00E+00	5.07E-07	5.60E-08	3.44E-08	0.00E+00	9.04E-08	3.12E-08	2.97E-08	0.00E+00	6.10E-08
3618	481287.57	3768608.51	2.677E-07	1.21E-07	0.00E+00	3.88E-07	2.65E-07	1.76E-07	0.00E+00	4.41E-07	4.86E-08	2.99E-08	0.00E+00	7.86E-08	2.72E-08	2.58E-08	0.00E+00	5.30E-08
3619	481286.15	3768618.25	2.336E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
3620	481284.72	3768627.98	2.046E-07	9.23E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.37E-07	3.72E-08	2.29E-08	0.00E+00	6.01E-08	2.08E-08	1.97E-08	0.00E+00	4.05E-08
3621	481283.3	3768637.72	1.799E-07	8.11E-08	0.00E+00	2.61E-07	1.78E-07	1.18E-07	0.00E+00	2.96E-07	3.27E-08	2.01E-08	0.00E+00	5.28E-08	1.83E-08	1.74E-08	0.00E+00	3.56E-08
3622	481281.87	3768647.45	1.588E-07	7.16E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.89E-08	1.77E-08	0.00E+00	4.66E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
3623	481271.57	3768655.89	1.482E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.73E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
3624	481289.33	3768658.49	1.329E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.72E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
3625	481270.14	3768665.62	1.319E-07	5.95E-08	0.00E+00	1.91E-07	1.30E-07	8.65E-08	0.00E+00	2.17E-07	2.40E-08	1.47E-08	0.00E+00	3.87E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
3626	481279.02	3768666.92	1.249E-07	5.63E-08	0.00E+00	1.81E-07	1.24E-07	8.20E-08	0.00E+00	2.06E-07	2.27E-08	1.40E-08	0.00E+00	3.67E-08	1.27E-08	1.20E-08	0.00E+00	2.47E-08
3627	481268.72	3768675.36	1.176E-07	5.31E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
3628	481277.6	3768676.66	1.113E-07	5.02E-08	0.00E+00	1.62E-07	1.10E-07	7.31E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.27E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3629	481267.29	3768685.09	1.053E-07	4.75E-08	0.00E+00	1.53E-07	1.04E-07	6.91E-08	0.00E+00	1.73E-07	1.91E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.02E-08	0.00E+00	2.08E-08
3630	481276.17	3768686.39	9.961E-08	4.49E-08	0.00E+00	1.45E-07	9.86E-08	6.54E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.61E-09	0.00E+00	1.97E-08
3631	481265.87	3768694.83	9.457E-08	4.26E-08	0.00E+00	1.37E-07	9.36E-08	6.21E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.59E-09	9.12E-09	0.00E+00	1.87E-08
3632	481274.75	3768696.13	8.94E-08	4.03E-08	0.00E+00	1.30E-07	8.85E-08	5.87E-08	0.00E+00	1.47E-07	1.62E-08	9.99E-09	0.00E+00	2.62E-08	9.07E-09	8.62E-09	0.00E+00	1.77E-08
3633	481264.44	3768704.56	8.518E-08	3.84E-08	0.00E+00	1.24E-07	8.43E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.52E-09	0.00E+00	2.50E-08	8.64E-09	8.22E-09	0.00E+00	1.69E-08
3634	481282.2	3768707.16	7.599E-08	3.43E-08	0.00E+00	1.10E-07	7.52E-08	4.99E-08	0.00E+00	1.25E-07	1.38E-08	8.49E-09	0.00E+00	2.23E-08	7.71E-09	7.33E-09	0.00E+00	1.50E-08
3635	481263.02	3768714.3	7.693E-08	3.47E-08	0.00E+00	1.12E-07	7.61E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.60E-09	0.00E+00	2.26E-08	7.80E-09	7.42E-09	0.00E+00	1.52E-08
3636	481280.78	3768716.9	6.866E-08	3.10E-08	0.00E+00	9.96E-08	6.79E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.02E-08	6.97E-09	6.62E-09	0.00E+00	1.36E-08
3637	481261.59	3768724.03	6.97E-08	3.14E-08	0.00E+00	1.01E-07	6.90E-08	4.57E-08	0.00E+00	1.15E-07	1.27E-08	7.79E-09	0.00E+00	2.05E-08	7.07E-09	6.72E-09	0.00E+00	1.38E-08
3638	481279.35	3768726.63	6.227E-08	2.81E-08	0.00E+00	9.04E-08	6.16E-08	4.09E-08	0.00E+00	1.02E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3639	481260.17	3768733.77	6.334E-08	2.86E-08	0.00E+00	9.19E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.08E-09	0.00E+00	1.86E-08	6.42E-09	6.11E-09	0.00E+00	1.25E-08
3640	481257.32	3768753.24	5.277E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
3641	481275.08	3768755.84	4.738E-08	2.14E-08	0.00E+00	6.88E-08	4.69E-08	3.11E-08	0.00E+00	7.80E-08	8.61E-09	5.30E-09	0.00E+00	1.39E-08	4.81E-09	4.57E-09	0.00E+00	9.38E-09
3642	481255.89	3768762.97	4.839E-08	2.18E-08	0.00E+00	7.02E-08	4.79E-08	3.18E-08	0.00E+00	7.96E-08	8.79E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.58E-09
3643	481273.65	3768765.57	4.354E-08	1.96E-08	0.00E+00	6.32E-08	4.31E-08	2.86E-08	0.00E+00	7.17E-08	7.91E-09	4.87E-09	0.00E+00	1.28E-08	4.42E-09	4.20E-09	0.00E+00	8.62E-09
3644	481254.47	3768772.71	4.45E-08	2.01E-08	0.00E+00	6.46E-08	4.40E-08	2.92E-08	0.00E+00	7.32E-08	8.09E-09	4.97E-09	0.00E+00	1.31E-08	4.51E-09	4.29E-09	0.00E+00	8.81E-09
3645	481272.23	3768775.31	4.014E-08	1.81E-08	0.00E+00	5.82E-08	3.97E-08	2.63E-08	0.00E+00	6.61E-08	7.29E-09	4.49E-09	0.00E+00	1.18E-08	4.07E-09	3.87E-09	0.00E+00	7.94E-09
3646	481253.04	3768782.44	4.105E-08	1.85E-08	0.00E+00	5.96E-08	4.06E-08	2.69E-08	0.00E+00	6.76E-08	7.46E-09	4.59E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.12E-09
3647	481270.8	3768785.04	3.712E-08	1.67E-08	0.00E+00	5.39E-08	3.67E-08	2.44E-08	0.00E+00	6.11E-08	6.75E-09	4.15E-09	0.00E+00	1.09E-08	3.77E-09	3.58E-09	0.00E+00	7.35E-09
3648	481251.62	3768792.18	3.797E-08	1.71E-08	0.00E+00	5.51E-08	3.76E-08	2.49E-08	0.00E+00	6.25E-08	6.90E-09	4.24E-09	0.00E+00	1.11E-08	3.85E-09	3.66E-09	0.00E+00	7.52E-09
3649	481269.38	3768794.78	3.443E-08	1.55E-08	0.00E+00	5.00E-08	3.41E-08	2.26E-08	0.00E+00	5.67E-08	6.26E-09	3.85E-09	0.00E+00	1.01E-08	3.49E-09	3.32E-09	0.00E+00	6.81E-09
3650	481250.19	3768801.91	3.522E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
3651	481267.95	3768804.51	3.203E-08	1.44E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.27E-08	5.82E-09	3.58E-09	0.00E+00	9.40E-09	3.25E-09	3.09E-09	0.00E+00	6.34E-09
3652	481248.77	3768811.65	3.276E-08	1.48E-08	0.00E+00	4.75E-08	3.24E-08	2.15E-08	0.00E+00	5.39E-08	5.95E-09	3.66E-09	0.00E+00	9.61E-09	3.32E-09	3.16E-09	0.00E+00	6.48E-09
3653	481266.53	3768814.25	2.987E-08	1.35E-08	0.00E+00	4.33E-08	2.96E-08	1.96E-08	0.00E+00	4.92E-08	5.43E-09	3.34E-09	0.00E+00	8.76E-09	3.03E-09	2.88E-09	0.00E+00	5.91E-09
3654	481247.34	3768821.38	3.054E-08	1.38E-08	0.00E+00	4.43E-08	3.02E-08	2.00E-08	0.00E+00	5.03E-08	5.55E-09	3.41E-09	0.00E+00	8.96E-09	3.10E-09	2.95E-09	0.00E+00	6.04E-09
3655	481265.1	3768823.98	2.793E-08	1.26E-08	0.00E+00	4.05E-08	2.76E-08	1.83E-08	0.00E+00	4.60E-08	5.07E-09	3.12E-09	0.00E+00	8.20E-09	2.83E-09	2.69E-09	0.00E+00	5.53E-09
3656	481242.99	3768851.07	2.504E-08	1.13E-08	0.00E+00	3.63E-08	2.48E-08	1.64E-08	0.00E+00	4.12E-08	4.55E-09	2.80E-09	0.00E+00	7.35E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
3657	481260.75	3768853.67	2.31E-08	1.04E-08	0.00E+00	3.35E-08	2.29E-08	1.52E-08	0.00E+00	3.80E-08	4.20E-09	2.58E-09	0.00E+00	6.78E-09	2.34E-09	2.23E-09	0.00E+00	4.57E-09
3658	481238.65	3768880.75	2.095E-08	9.45E-09	0.00E+00	3.04E-08	2.07E-08	1.37E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.12E-09	2.02E-09	0.00E+00	4.15E-09
3659	481256.41	3768883.35	1.948E-08	8.79E-09	0.00E+00	2.83E-08	1.93E-08	1.28E-08	0.00E+00	3.21E-08	3.54E-09	2.18E-09	0.00E+00	5.72E-09	1.98E-09	1.88E-09	0.00E+00	3.86E-09
3660	481234.3	3768910.43	1.784E-08	8.04E-09	0.00E+00	2.59E-08	1.76E-08	1.17E-08	0.00E+00	2.94E-08	3.24E-09	1.99E-09	0.00E+00	5.23E-09	1.81E-09	1.72E-09	0.00E+00	3.53E-09
3661	481252.06	3768913.03	1.671E-08	7.54E-09	0.00E+00	2.42E-08	1.65E-08	1.10E-08	0.00E+00	2.75E-08	3.04E-09	1.87E-09	0.00E+00	4.90E-09	1.69E-09	1.61E-09	0.00E+00	3.31E-09
3662	481229.96	3768940.12	1.541E-08	6.95E-09	0.00E+00	2.24E-08	1.53E-08	1.01E-08	0.00E+00	2.54E-08	2.80E-09	1.72E-09	0.00E+00	4.52E-09	1.56E-09	1.49E-09	0.00E+00	3.05E-09
3663	481238.84	3768941.42	1.496E-08	6.75E-09	0.00E+00	2.17E-08	1.48E-08	9.82E-09	0.00E+00	2.46E-08	2.72E-09	1.67E-09	0.00E+00	4.39E-09	1.52E-09	1.44E-09	0.00E+00	2.96E-09
3664	481225.61	3768969.8	1.35E-08	6.09E-09	0.00E+00	1.96E-08	1.34E-08	8.86E-09	0.00E+00	2.22E-08	2.45E-09	1.51E-09	0.00E+00	3.96E-09	1.37E-09	1.30E-09	0.00E+00	2.67E-09
3665	481243.37	3768972.4	1.28E-08	5.77E-09	0.00E+00	1.86E-08	1.27E-08	8.40E-09	0.00E+00	2.11E-08	2.33E-09	1.43E-09	0.00E+00	3.76E-09	1.30E-09	1.23E-09	0.00E+00	2.53E-09
3666	481221.27	3768999.49	1.195E-08	5.39E-09	0.00E+00	1.73E-08	1.18E-08	7.84E-09	0.00E+00	1.97E-08	2.17E-09	1.34E-09	0.00E+00	3.51E-09	1.21E-09	1.15E-09	0.00E+00	2.36E-09
3667	481203.4	3769087.79	8.815E-09	3.98E-09	0.00E+00	1.28E-08	8.72E-09	5.78E-09	0.00E+00	1.45E-08	1.60E-09	9.85E-10	0.00E+00	2.59E-09	8.94E-10	8.50E-10	0.00E+00	1.74E-09
3668	481217.11	3769089.84	8.557E-09	3.86E-09	0.00E+00	1.24E-08	8.47E-09	5.61E-09	0.00E+00	1.41E-08	1.55E-09	9.56E-10	0.00E+00	2.51E-09	8.68E-10	8.25E-10	0.00E+00	1.69E-09
3669	481225.99	3769091.14	8.399E-09	3.79E-09	0.00E+00	1.22E-08	8.31E-09	5.51E-09	0.00E+00	1.38E-08	1.53E-09	9.39E-10	0.00E+00	2.46E-09	8.52E-10	8.10E-10	0.00E+00	1.66E-09
3670	481198.8	3769117.43	8.041E-09	3.63E-09	0.00E+00	1.17E-08	7.96E-09	5.28E-09	0.00E+00	1.32E-08	1.46E-09	8.99E-10	0.00E+00	2.36E-09	8.16E-10	7.76E-10	0.00E+00	1.59E-09
3671	481212.76	3769119.52	7.818E-09	3.53E-09	0.00E+00	1.13E-08	7.74E-09	5.13E-09	0.00E+00	1.29E-08	1.42E-09	8.74E-10	0.00E+00	2.29E-09	7.93E-10	7.54E-10	0.00E+00	1.55E-09
3672	481313.12	3768562.06	5.443E-07	2.45E-07	0.00E+00	7.90E-07	5.39E-07	3.57E-07	0.00E+00	8.96E-07	9.89E-08	6.08E-08	0.00E+00	1.60E-07	5.52E-08	5.25E-08	0.00E+00	1.08E-07
3673	481304.88	3768571.2	4.655E-07	2.10E-07	0.00E+00	6.75E-07	4.61E-07	3.05E-07	0.00E+00	7.66E-07	8.46E-08	5.20E-08	0.00E+00	1.37E-07	4.72E-08	4.49E-08	0.00E+00	9.21E-08
3674	481319.59	3768572.52	4.426E-07	2.00E-07	0.00E+00	6.42E-07	4.38E-07	2.90E-07	0.00E+00	7.28E-07	8.04E-08	4.95E-08	0.00E+00	1.30E-07	4.49E-08	4.27E-08	0.00E+00	8.76E-08
3675	481304	3768581	3.944E-07	1.78E-07	0.00E+00	5.72E-07	3.90E-07	2.59E-07	0.00E+00	6.49E-07	7.17E-08	4.41E-08	0.00E+00	1.16E-07	4.00E-08	3.80E-08	0.00E+00	7.80E-08
3676	481318.71	3768582.32	3.72E-07	1.68E-07	0.00E+00	5.40E-07	3.68E-07	2.44E-07	0.00E+00	6.12E-07	6.76E-08	4.16E-08	0.00E+00	1.09E-07	3.77E-08	3.59E-08	0.00E+00	7.36E-08
3677	481303.12	3768590.8	3.365E-07	1.52E-07	0.00E+00	4.88E-07	3.33E-07	2.21E-07	0.00E+00	5.54E-07	6.11E-08	3.76E-08	0.00E+00	9.87E-08	3.41E-08	3.25E-08	0.00E+00	6.66E-08
3678	481317.83	3768592.12	3.153E-07	1.42E-07	0.00E+00	4.57E-07	3.12E-07	2.07E-07	0.00E+00	5.19E-07	5.73E-08	3.52E-08	0.00E+00	9.25E-08	3.20E-08	3.04E-08	0.00E+00	6.24E-08
3679	481302.25	3768600.6	2.888E-07	1.30E-07	0.00E+00	4.19E-07	2.86E-07	1.89E-07	0.00E+00	4.75E-07	5.25E-08	3.23E-08	0.00E+00	8.47E-08	2.93E-08	2.79E-08	0.00E+00	5.72E-08
3680	481316.96	3768601.92	2.69E-07	1.21E-07	0.00E+00	3.90E-07	2.66E-07	1.77E-07	0.00E+00	4.43E-07	4.89E-08	3.01E-08	0.00E+00	7.90E-08	2.73E-08	2.60E-08	0.00E+00	5.32E-08
3681	481301.37	3768610.39	2.492E-07	1.12E-07	0.00E+00	3.62E-07	2.47E-07	1.63E-07	0.00E+00	4.10E-07	4.53E-08	2.78E-08	0.00E+00	7.31E-08	2.53E-08	2.40E-08	0.00E+00	4.93E-08
3682	481316.08	3768611.71	2.31E-07	1.04E-07	0.00E+00	3.35E-07	2.29E-07	1.52E-07	0.00E+00	3.80E-07	4.20E-08	2.58E-08	0.00E+00	6.78E-08	2.34E-08	2.23E-08	0.00E+00	4.57E-08
3683	481300.49	3768620.19	2.159E-07	9.74E-08	0.00E+00	3.13E-07	2.14E-07	1.42E-07	0.00E+00	3.55E-07	3.92E-08	2.41E-08	0.00E+00	6.34E-08	2.19E-08	2.08E-08	0.00E+00	4.27E-08
3684	481315.2	3768621.51	1.993E-07	8.99E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.28E-07	3.62E-08	2.23E-08	0.00E+00	5.85E-08	2.02E-08	1.92E-08	0.00E+00	3.94E-08
3685	481299.61	3768629.99	1.879E-07	8.47E-08	0.00E+00	2.73E-07	1.86E-07	1.23E-07	0.00E+00	3.09E-07	3.41E-08	2.10E-08	0.00E+00	5.51E-08	1.91E-08	1.81E-08	0.00E+00	3.72E-08
3686	481314.32	3768631.31	1.728E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
3687	481298.73	3768639.79	1.642E-07	7.40E-08	0.00E+00	2.38E-07	1.62E-07	1.08E-07	0.00E+00	2.70E-07	2.98E-08	1.83E-08	0.00E+00	4.82E-08	1.67E-08	1.58E-08	0.00E+00	3.25E-08
3688	481313.44	3768641.11	1.505E-07	6.79E-08	0.00E+00	2.18E-07	1.49E-07	9.88E-08	0.00E+00	2.48E-07	2.74E-08	1.68E-08	0.00E+00	4.42E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
3689	481297.85	3768649.59	1.44E-07	6.49E-08	0.00E+00	2.09E-07	1.43E-07	9.45E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
3690

3712	481280.63	3768786.2	3.522E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
3713	481292.89	3768787.44	3.307E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.70E-09	0.00E+00	9.71E-09	3.35E-09	3.19E-09	0.00E+00	6.55E-09
3714	481279.56	3768795.98	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3715	481292.01	3768797.24	3.071E-08	1.38E-08	0.00E+00	4.46E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.01E-09	3.11E-09	2.96E-09	0.00E+00	6.08E-09
3716	481278.5	3768805.76	3.037E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.39E-09	0.00E+00	8.91E-09	3.08E-09	2.93E-09	0.00E+00	6.01E-09
3717	481291.13	3768807.04	2.859E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.71E-08	5.19E-09	3.20E-09	0.00E+00	8.39E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
3718	481277.44	3768815.54	2.832E-08	1.28E-08	0.00E+00	4.11E-08	2.80E-08	1.86E-08	0.00E+00	4.66E-08	5.15E-09	3.17E-09	0.00E+00	8.31E-09	2.87E-09	2.73E-09	0.00E+00	5.61E-09
3719	481290.25	3768816.84	2.67E-08	1.20E-08	0.00E+00	3.87E-08	2.64E-08	1.75E-08	0.00E+00	4.39E-08	4.85E-09	2.98E-09	0.00E+00	7.83E-09	2.71E-09	2.58E-09	0.00E+00	5.28E-09
3720	481276.38	3768825.31	2.649E-08	1.19E-08	0.00E+00	3.84E-08	2.62E-08	1.74E-08	0.00E+00	4.36E-08	4.81E-09	2.96E-09	0.00E+00	7.77E-09	2.69E-09	2.56E-09	0.00E+00	5.24E-09
3721	481289.38	3768826.64	2.5E-08	1.13E-08	0.00E+00	3.63E-08	2.47E-08	1.64E-08	0.00E+00	4.11E-08	4.54E-09	2.79E-09	0.00E+00	7.34E-09	2.54E-09	2.41E-09	0.00E+00	4.95E-09
3722	481273.14	3768855.13	2.193E-08	9.89E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.61E-08	3.98E-09	2.45E-09	0.00E+00	6.43E-09	2.22E-09	2.12E-09	0.00E+00	4.34E-09
3723	481286.69	3768856.52	2.078E-08	9.37E-09	0.00E+00	3.02E-08	2.06E-08	1.36E-08	0.00E+00	3.42E-08	3.78E-09	2.32E-09	0.00E+00	6.10E-09	2.11E-09	2.00E-09	0.00E+00	4.11E-09
3724	481269.91	3768884.94	1.852E-08	8.35E-09	0.00E+00	2.69E-08	1.83E-08	1.22E-08	0.00E+00	3.05E-08	3.37E-09	2.07E-09	0.00E+00	5.43E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
3725	481284.01	3768886.4	1.763E-08	7.95E-09	0.00E+00	2.56E-08	1.74E-08	1.16E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.17E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
3726	481266.67	3768914.76	1.591E-08	7.18E-09	0.00E+00	2.31E-08	1.57E-08	1.04E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.61E-09	1.53E-09	0.00E+00	3.15E-09
3727	481281.33	3768916.28	1.52E-08	6.85E-09	0.00E+00	2.21E-08	1.50E-08	9.97E-09	0.00E+00	2.50E-08	2.76E-09	1.70E-09	0.00E+00	4.46E-09	1.54E-09	1.47E-09	0.00E+00	3.01E-09
3728	481265.4	3768944.8	1.379E-08	6.22E-09	0.00E+00	2.00E-08	1.36E-08	9.05E-09	0.00E+00	2.27E-08	2.50E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
3729	481253.61	3768943.41	1.428E-08	6.44E-09	0.00E+00	2.07E-08	1.41E-08	9.37E-09	0.00E+00	2.35E-08	2.59E-09	1.60E-09	0.00E+00	4.19E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
3730	481278.65	3768946.16	1.329E-08	5.99E-09	0.00E+00	1.93E-08	1.31E-08	8.72E-09	0.00E+00	2.19E-08	2.41E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
3731	481262.3	3768974.64	1.216E-08	5.48E-09	0.00E+00	1.76E-08	1.20E-08	7.98E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.57E-09	1.23E-09	1.17E-09	0.00E+00	2.41E-09
3732	481275.97	3768976.04	1.175E-08	5.30E-09	0.00E+00	1.71E-08	1.16E-08	7.71E-09	0.00E+00	1.93E-08	2.14E-09	1.31E-09	0.00E+00	3.45E-09	1.19E-09	1.13E-09	0.00E+00	2.33E-09
3733	481254.52	3769064.31	8.78E-09	3.96E-09	0.00E+00	1.27E-08	8.69E-09	5.76E-09	0.00E+00	1.44E-08	1.60E-09	9.81E-10	0.00E+00	2.58E-09	8.91E-10	8.47E-10	0.00E+00	1.74E-09
3734	481267.93	3769065.68	8.554E-09	3.86E-09	0.00E+00	1.24E-08	8.46E-09	5.61E-09	0.00E+00	1.41E-08	1.55E-09	9.56E-10	0.00E+00	2.51E-09	8.68E-10	8.25E-10	0.00E+00	1.69E-09
3735	481251.51	3769094.15	7.994E-09	3.61E-09	0.00E+00	1.16E-08	7.91E-09	5.25E-09	0.00E+00	1.32E-08	1.45E-09	8.93E-10	0.00E+00	2.35E-09	8.11E-10	7.71E-10	0.00E+00	1.58E-09
3736	481238.75	3769092.64	8.192E-09	3.69E-09	0.00E+00	1.19E-08	8.11E-09	5.38E-09	0.00E+00	1.35E-08	1.49E-09	9.16E-10	0.00E+00	2.40E-09	8.31E-10	7.90E-10	0.00E+00	1.62E-09
3737	481265.24	3769095.56	7.798E-09	3.52E-09	0.00E+00	1.13E-08	7.72E-09	5.12E-09	0.00E+00	1.28E-08	1.42E-09	8.72E-10	0.00E+00	2.29E-09	7.91E-10	7.52E-10	0.00E+00	1.54E-09
3738	481248.5	3769123.99	7.32E-09	3.30E-09	0.00E+00	1.06E-08	7.24E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.18E-10	0.00E+00	2.15E-09	7.42E-10	7.06E-10	0.00E+00	1.45E-09
3739	481235.07	3769122.4	7.497E-09	3.38E-09	0.00E+00	1.09E-08	7.42E-09	4.92E-09	0.00E+00	1.23E-08	1.36E-09	8.38E-10	0.00E+00	2.20E-09	7.61E-10	7.23E-10	0.00E+00	1.48E-09
3740	481262.56	3769125.44	7.147E-09	3.22E-09	0.00E+00	1.04E-08	7.07E-09	4.69E-09	0.00E+00	1.18E-08	1.30E-09	7.99E-10	0.00E+00	2.10E-09	7.25E-10	6.89E-10	0.00E+00	1.41E-09
3741	481323.23	3768562.87	5.288E-07	2.38E-07	0.00E+00	7.67E-07	5.23E-07	3.47E-07	0.00E+00	8.70E-07	9.61E-08	5.91E-08	0.00E+00	1.55E-07	5.36E-08	5.10E-08	0.00E+00	1.05E-07
3742	481336.74	3768563.13	5.128E-07	2.31E-07	0.00E+00	7.44E-07	5.07E-07	3.36E-07	0.00E+00	8.44E-07	9.32E-08	5.73E-08	0.00E+00	1.50E-07	5.20E-08	4.95E-08	0.00E+00	1.01E-07
3743	481329.8	3768572.83	4.296E-07	1.94E-07	0.00E+00	6.23E-07	4.25E-07	2.82E-07	0.00E+00	7.07E-07	7.81E-08	4.80E-08	0.00E+00	1.26E-07	4.36E-08	4.14E-08	0.00E+00	8.50E-08
3744	481343.3	3768573.09	4.113E-07	1.85E-07	0.00E+00	5.97E-07	4.07E-07	2.70E-07	0.00E+00	6.77E-07	7.47E-08	4.60E-08	0.00E+00	1.21E-07	4.17E-08	3.97E-08	0.00E+00	8.14E-08
3745	481329.61	3768582.67	3.58E-07	1.61E-07	0.00E+00	5.19E-07	3.54E-07	2.35E-07	0.00E+00	5.89E-07	6.50E-08	4.00E-08	0.00E+00	1.05E-07	3.63E-08	3.45E-08	0.00E+00	7.08E-08
3746	481343.11	3768582.93	3.402E-07	1.53E-07	0.00E+00	4.94E-07	3.37E-07	2.23E-07	0.00E+00	5.60E-07	6.18E-08	3.80E-08	0.00E+00	9.98E-08	3.45E-08	3.28E-08	0.00E+00	6.73E-08
3747	481329.42	3768592.51	3.009E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.97E-07	0.00E+00	4.95E-07	5.47E-08	3.36E-08	0.00E+00	8.83E-08	3.05E-08	2.90E-08	0.00E+00	5.95E-08
3748	481342.92	3768592.77	2.841E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.68E-07	5.16E-08	3.18E-08	0.00E+00	8.34E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
3749	481329.23	3768602.35	2.547E-07	1.15E-07	0.00E+00	3.70E-07	2.52E-07	1.67E-07	0.00E+00	4.19E-07	4.63E-08	2.85E-08	0.00E+00	7.47E-08	2.58E-08	2.46E-08	0.00E+00	5.04E-08
3750	481342.74	3768602.61	2.391E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.93E-07	4.34E-08	2.67E-08	0.00E+00	7.02E-08	2.42E-08	2.31E-08	0.00E+00	4.73E-08
3751	481329.04	3768612.18	2.169E-07	9.78E-08	0.00E+00	3.15E-07	2.15E-07	1.42E-07	0.00E+00	3.57E-07	3.94E-08	2.42E-08	0.00E+00	6.36E-08	2.20E-08	2.09E-08	0.00E+00	4.29E-08
3752	481342.55	3768612.44	2.026E-07	9.14E-08	0.00E+00	2.94E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.68E-08	2.26E-08	0.00E+00	5.94E-08	2.05E-08	1.95E-08	0.00E+00	4.01E-08
3753	481328.85	3768622.02	1.857E-07	8.37E-08	0.00E+00	2.69E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.37E-08	2.08E-08	0.00E+00	5.45E-08	1.88E-08	1.79E-08	0.00E+00	3.68E-08
3754	481342.36	3768622.28	1.727E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
3755	481328.66	3768631.86	1.598E-07	7.21E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.90E-08	1.79E-08	0.00E+00	4.69E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
3756	481342.17	3768632.12	1.482E-07	6.68E-08	0.00E+00	2.15E-07	1.47E-07	9.72E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
3757	481328.47	3768641.69	1.383E-07	6.24E-08	0.00E+00	2.01E-07	1.37E-07	9.07E-08	0.00E+00	2.28E-07	2.51E-08	1.55E-08	0.00E+00	4.06E-08	1.40E-08	1.33E-08	0.00E+00	2.74E-08
3758	481341.98	3768641.95	1.279E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
3759	481328.28	3768651.53	1.202E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
3760	481341.79	3768651.79	1.11E-07	5.01E-08	0.00E+00	1.61E-07	1.10E-07	7.29E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3761	481316.51	3768660.97	1.125E-07	5.07E-08	0.00E+00	1.63E-07	1.11E-07	7.38E-08	0.00E+00	1.85E-07	2.04E-08	1.26E-08	0.00E+00	3.30E-08	1.14E-08	1.09E-08	0.00E+00	2.23E-08
3762	481328.09	3768661.37	1.051E-07	4.74E-08	0.00E+00	1.52E-07	1.04E-07	6.89E-08	0.00E+00	1.73E-07	1.91E-08	1.17E-08	0.00E+00	3.08E-08	1.07E-08	1.01E-08	0.00E+00	2.08E-08
3763	481341.6	3768661.63	9.693E-08	4.37E-08	0.00E+00	1.41E-07	9.59E-08	6.36E-08	0.00E+00	1.60E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.83E-09	9.35E-09	0.00E+00	1.92E-08
3764	481315.97	3768670.79	9.91E-08	4.47E-08	0.00E+00	1.44E-07	9.81E-08	6.50E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.01E-08	9.56E-09	0.00E+00	1.96E-08
3765	481327.9	3768671.2	9.23E-08	4.16E-08	0.00E+00	1.34E-07	9.13E-08	6.06E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.36E-09	8.90E-09	0.00E+00	1.83E-08
3766	481341.41	3768671.46	8.513E-08	3.84E-08	0.00E+00	1.24E-07	8.42E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.51E-09	0.00E+00	2.50E-08	8.64E-09	8.21E-09	0.00E+00	1.68E-08
3767	481315.44	3768680.61	8.769E-08	3.95E-08	0.00E+00	1.27E-07	8.68E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.90E-09	8.46E-09	0.00E+00	1.74E-08
3768	481327.71	3768681.04	8.149E-08	3.68E-08	0.00E+00	1.18E-07	8.06E-08	5.35E-08	0.00E+00	1.34E-07	1.48E-08	9.11E-09	0.00E+00	2.39E-08	8.27E-09	7.86E-09	0.00E+00	1.61E-08
3769	481341.22	3768681.3	7.52E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.21E-08	7.63E-09	7.25E-09	0.00E+00	1.49E-08
3770	481314.91	3768690.43	7.795E-08	3.52E-08	0.00E+00	1.13E-07	7.71E-08	5.12E-08	0.00E+00	1.28E-07	1.42E-08	8.71E-09	0.00E+00	2.29E-08	7.91E-09	7.52E-09	0.00E+00	1.54E-08
3771	481327.52	3768690.88	7.232E-08	3.26E-08	0.00E+00	1.05E-07	7.16E-08	4.75E-08	0.00E+00	1.19E-07	1.31E-08	8.08E-09	0.00E+00	2.12E-08	7.34E-09	6.98E-09	0.00E+00	1.43E-08
3772	481341.03	3768691.14	6.681E-08	3.01E-08	0.00E+00	9.69E-08	6.61E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.47E-09	0.00E+00	1.96E-08	6.78E-09	6.44E-09	0.00E+00	1.32E-08
3773	481314.37	3768700.25	6.962E-08	3.14E-08	0.00E+00	1.01E-07	6.89E-08	4.57E-08	0.00E+00	1.15E-07	1.26E-08	7.78E-09	0.00E+00	2.04E-08	7.06E-09	6.72E-09	0.00E+00	1.38E-08
3774	481327.33	3768700.71	6.452E-08	2.91E-08	0.00E+00	9.36E-08	6.38E-08	4.23E-08	0.00E+00	1.06E-07	1.17E-08	7.21E-09	0.00E+00	1.89E-08	6.54E-09	6.22E-09	0.00E+00	1.28E-08
3775	481340.84	3768700.97	5.97E-08	2.69E-08	0.00E+00	8.66E-08	5.91E-08	3.92E-08	0.00E+00	9.82E-08	1.08E-08	6.67E-09	0.00E+00	1.75E-08	6.06E-09	5.76E-09	0.00E+00	1.18E-08
3776	481320.39	3768710.42	6.007E-08	2.71E-08	0.00E+00	8.72E-08	5.94E-08	3.94E-08	0.00E+00	9.89E-08	1.09E-08	6.71E-09	0.00E+00	1.76E-08	6.09E-09	5.80E-09	0.00E+00	1.19E-08
3777	481333.9	3768710.68	5.57E-08	2.51E-08	0.00E+00	8.08E-08	5.51E-08	3.65E-08	0.00E+00	9.17E-08	1.01E-08	6.22E-09	0.00E+00	1.63E-08	5.65E-09	5.37E-09	0.00E+00	1.10E-08
3778	481315.6	3768720.01	5.555E-08	2.51E-08	0.00E+00	8.06E-08	5.50E-08	3.65E-08	0.00E+00	9.14E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.63E-09	5.36E-09	0.00E+00	1.10E-08
3779	481326.96	3768720.39	5.212E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.58E-08	9.47E-09	5.83E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
3780	481340.46	3768720.65	4.843E-08	2.18E-08	0.00E+00	7.03E-08	4.79E-08	3.18E-08	0.00E+00	7.97E-08	8.80E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.59E-09
3781	481315.18	3768729.83	5.027E-08	2.27E-08	0.00E+00	7.29E-08	4.97E-08	3.30E-08	0.00E+00	8.27E-08	9.13E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.95E-09
3782	481326.77	3768730.23	4.719E-08	2.13E-08	0.00E+00	6.85E-08	4.67E-08	3.10E-08	0.00E+00	7.77E-08	8.57E-09	5.27E-09	0.00E+00	1.38E-08	4.79E-09	4.55E-09	0.00E+00	9.34E-09
3783	481340.27	3768730.49	4.397E-08	1.98E-08	0.00E+00	6.38E-08	4.35E-08	2.89E-08	0.00E+00	7.24E-08	7.99E-09	4.91E-09	0.00E+00	1.29E-08	4.46E-09	4.24E-09	0.00E+00	8.70E-09
3784	481313.93	3768759.31	3.823E-08	1.72E-08	0.00E+00	5.55E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.95E-09	4.27E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.57E-09
3785	481326.2	3768759.74	3.6E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.54E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
3786	481339.71	3768760	3.382E-08	1.53E-08	0.00E+00	4.91E-08	3.35E-08	2.22E-08	0.00E+00	5.57E-08	6.15E-09	3.78E-09	0.00E+00	9.92E-09	3.43E-09	3.26E-09	0.00E+00	6.69E-09
3787	481313.51	3768769.13	3.518E-08	1.59E-08	0.00E+00	5.10E-08	3.48E-08	2.31E-08	0.00E+00	5.79E-08	6.39E-09	3.93E-09	0.00E+00	1.03E-08	3.57E-09	3.39E-09	0.00E+00	6.96E-09
3788	481326.01	3768769.57	3.317E-08	1.50E-08	0.00E+00	4.81E-08	3.28E-08	2.18E-08	0.00E+00	5.46E-08	6.03E-09	3.71E-09	0.00E+00	9.73E-09	3.36E-09	3.20E-09	0.00E+00	6.57E-09
3789	481339.52	3768769.83	3.125E-08	1.41E-08	0.00E+00	4.53E-08	3.09E-08	2.05E-08	0.00E+00	5.14E-08	5.68E-09	3.49E-09	0.00E+00	9.17E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
3790	481313.09	3768778.95	3.249E-08	1.47E-08	0.00E+00	4.71E-08	3.22E-08	2.13E-08	0.00E+00	5.35E-08	5.90E-09	3.63E-09	0.00E+00	9.54E-09	3.30E-09	3.13E-09	0.00E+00	6.43E-09
3791	481325.82	3768779.41	3.068E-08	1.38E-08	0.00E+00	4.45E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.00E-09	3.11E-09	2.96E-09	0.00E+00	6.07E-09
3792	481339.33	3768779.67	2.899E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
3793	481312.67	3768788.78	3.012E-08	1.36E-08	0.00E+00	4.37E-08	2.98E-08	1.98E-08	0.00E+00	4.96E-08	5.47E-09	3.37E-09	0.00E+00	8.84E-09	3.06E-09	2.91E-09	0.00E+00	5.96E-09
3794	481325.63	3768789.25	2.848E-08	1.28E-08	0.00E+00	4.13E-08	2.82E-08	1.87E-08	0.00E+00	4.69E-08	5.18E-09	3.18E-09	0.00E+00	8.36E-09	2.89E-09	2.75E-09	0.00E+00	5.64E-09
3795	481339.14	3768789.51	2.698E-08	1.22E-08	0.00E+00	3.92E-08	2.67E-08	1.77E-08	0.00E+00	4.44E-08	4.90E-09	3.02E-09	0.00E+00	7.92E-09	2.74E-09	2.60E-09	0.00E+00	5.34E-09
3796	481312.25	3768798.6	2.801E-08	1.26E-08	0.00E+00	4.06E-08	2.77E-08	1.84E-08	0.00E+00	4.61E-08	5.09E-09	3.13E-09	0.00E+00	8.22E-09	2.84E-09	2.70E-09	0.00E+00	5.54E-09
3797	481325.44	3768799.08	2.653E-08	1.20E-08	0.00E+00	3.85E-08	2.63E-08	1.74E-08	0.00E+00	4.37E-08	4.82E-09	2.97E-09	0.00E+00	7.79E-09	2.69E-09	2.56E-09	0.00E+00	5.25E-09
3798	481338.95	3768799.34	2.52E-08	1.14E-08	0.00E+00	3.66E-08	2.49E-08	1.65E-08	0.00E+00	4.15E-08	4.58E-09	2.82E-09	0.00E+00	7.40E-09	2.56E-09	2.43E-09	0.00E+00	4.99E-09
3799	481311.83	3768808.43	2.613E-08	1.18E-08	0.00E+00	3.79E-08	2.59E-08	1.71E-08	0.00E+00	4.30E-08	4.75E-09	2.92E-09	0.00E+00	7.67E-09	2.65E-09	2.52E-09	0.00E+00	5.17E-09
3800	481325.25	3768808.92	2.479E-08	1.12E-08	0.00E+00	3.60E-08	2.45E-08	1.63E-08	0.00E+00	4.08E-08	4.50E-09	2.77E-09	0.00E+00	7.27E-09	2.51E-09	2.39E-09	0.00E+00	4.91E-09
3801	481338.76	3768809.18	2.361E-08	1.06E-08	0.00E+00	3.43E-08	2.34E-08	1.55E-08	0.00E+00	3.88E-08	4.29E-09	2.64E-09	0.00E+00	6.93E-09	2.39E-09	2.28E-09	0.00E+00	4.67E-09
3802	481313.13	3768818.35	2.428E-08	1.10E-08	0.00E+00	3.52E-08	2.40E-08	1.59E-08	0.00E+00	4.00E-08	4.41E-09	2.71E-09	0.00E+00	7.13E-09	2.46E-09	2.34E-09	0.00E+00	4.81E-09
3803	481302.78	3768817.78	2.53E-08	1.14E-08	0.00E+00	3.67E-08	2.50E-08	1.66E-08	0.00E+00	4.16E-08	4.60E-09	2.83E-09	0.00E+00	7.43E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
3804	481325.06	3768818.76	2.323E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
3805	481338.57	3768819.02	2.217E-08	1.00E-08	0.00E+00	3.22E-08	2.19E-08	1.46E-08	0.00E+00	3.65E-08	4.03E-09	2.48E-09	0.00E+00	6.51E-09	2.25E-09	2.14E-09	0.00E+00	4.39E-09
3806	481312.77	3768828.17	2.278E-08	1.03E-08	0.00E+00	3.31E-08	2.25E-08	1.50E-08	0.00E+00	3.75E-08	4.14E-09	2.55E-09	0.00E+00	6.69E-09	2.31E-09	2.20E-09	0.00E+00	4.51E-09
3807	481302.08	3768827.59	2.373E-08	1.07E-08	0.00E+00	3.44E-08	2.35E-08	1.56E-08	0.00E+00	3.91E-08	4.31E-09	2.65E-09	0.00E+00	6.96E-09	2.41E-09	2.29E-09	0.00E+00	4.70E-09

3830	481294.39	3769067.38	8.167E-09	3.68E-09	0.00E+00	1.19E-08	8.08E-09	5.36E-09	0.00E+00	1.34E-08	1.48E-09	9.13E-10	0.00E+00	2.40E-09	8.28E-10	7.88E-10	0.00E+00	1.62E-09
3831	481281.65	3769066.69	8.345E-09	3.76E-09	0.00E+00	1.21E-08	8.26E-09	5.48E-09	0.00E+00	1.37E-08	1.52E-09	9.33E-10	0.00E+00	2.45E-09	8.47E-10	8.05E-10	0.00E+00	1.65E-09
3832	481320.25	3769068.55	7.834E-09	3.53E-09	0.00E+00	1.14E-08	7.75E-09	5.14E-09	0.00E+00	1.29E-08	1.42E-09	8.76E-10	0.00E+00	2.30E-09	7.95E-10	7.56E-10	0.00E+00	1.55E-09
3833	481333.76	3769068.81	7.678E-09	3.46E-09	0.00E+00	1.11E-08	7.60E-09	5.04E-09	0.00E+00	1.26E-08	1.40E-09	8.58E-10	0.00E+00	2.25E-09	7.79E-10	7.41E-10	0.00E+00	1.52E-09
3834	481306.2	3769098.05	7.3E-09	3.29E-09	0.00E+00	1.06E-08	7.22E-09	4.79E-09	0.00E+00	1.20E-08	1.33E-09	8.16E-10	0.00E+00	2.14E-09	7.41E-10	7.04E-10	0.00E+00	1.44E-09
3835	481292.76	3769097.32	7.456E-09	3.36E-09	0.00E+00	1.08E-08	7.38E-09	4.89E-09	0.00E+00	1.23E-08	1.35E-09	8.33E-10	0.00E+00	2.19E-09	7.56E-10	7.19E-10	0.00E+00	1.48E-09
3836	481279.32	3769096.59	7.616E-09	3.43E-09	0.00E+00	1.11E-08	7.54E-09	5.00E-09	0.00E+00	1.25E-08	1.38E-09	8.51E-10	0.00E+00	2.24E-09	7.73E-10	7.35E-10	0.00E+00	1.51E-09
3837	481319.68	3769098.54	7.154E-09	3.23E-09	0.00E+00	1.04E-08	7.08E-09	4.69E-09	0.00E+00	1.18E-08	1.30E-09	8.00E-10	0.00E+00	2.10E-09	7.26E-10	6.90E-10	0.00E+00	1.42E-09
3838	481333.18	3769098.8	7.019E-09	3.17E-09	0.00E+00	1.02E-08	6.95E-09	4.61E-09	0.00E+00	1.16E-08	1.28E-09	7.84E-10	0.00E+00	2.06E-09	7.12E-10	6.77E-10	0.00E+00	1.39E-09
3839	481306.28	3769128.08	6.689E-09	3.02E-09	0.00E+00	9.71E-09	6.62E-09	4.39E-09	0.00E+00	1.10E-08	1.22E-09	7.48E-10	0.00E+00	1.96E-09	6.79E-10	6.45E-10	0.00E+00	1.32E-09
3840	481294.16	3769127.42	6.81E-09	3.07E-09	0.00E+00	9.88E-09	6.74E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.61E-10	0.00E+00	2.00E-09	6.91E-10	6.57E-10	0.00E+00	1.35E-09
3841	481282.04	3769126.76	6.933E-09	3.13E-09	0.00E+00	1.01E-08	6.86E-09	4.55E-09	0.00E+00	1.14E-08	1.26E-09	7.75E-10	0.00E+00	2.03E-09	7.03E-10	6.69E-10	0.00E+00	1.37E-09
3842	481319.1	3769128.54	6.569E-09	2.96E-09	0.00E+00	9.53E-09	6.50E-09	4.31E-09	0.00E+00	1.08E-08	1.19E-09	7.34E-10	0.00E+00	1.93E-09	6.66E-10	6.34E-10	0.00E+00	1.30E-09
3843	481332.61	3769128.8	6.451E-09	2.91E-09	0.00E+00	9.36E-09	6.38E-09	4.23E-09	0.00E+00	1.06E-08	1.17E-09	7.21E-10	0.00E+00	1.89E-09	6.54E-10	6.22E-10	0.00E+00	1.28E-09
3844	481353.27	3768563.38	4.892E-07	2.21E-07	0.00E+00	7.10E-07	4.84E-07	3.21E-07	0.00E+00	8.05E-07	8.89E-08	5.47E-08	0.00E+00	1.44E-07	4.96E-08	4.72E-08	0.00E+00	9.68E-08
3845	481362.79	3768563.5	4.743E-07	2.14E-07	0.00E+00	6.88E-07	4.69E-07	3.11E-07	0.00E+00	7.81E-07	8.62E-08	5.30E-08	0.00E+00	1.39E-07	4.81E-08	4.58E-08	0.00E+00	9.39E-08
3846	481372.3	3768563.62	4.584E-07	2.07E-07	0.00E+00	6.65E-07	4.54E-07	3.01E-07	0.00E+00	7.54E-07	8.33E-08	5.12E-08	0.00E+00	1.35E-07	4.65E-08	4.42E-08	0.00E+00	9.07E-08
3847	481381.82	3768563.74	4.413E-07	1.99E-07	0.00E+00	6.40E-07	4.37E-07	2.90E-07	0.00E+00	7.26E-07	8.02E-08	4.93E-08	0.00E+00	1.29E-07	4.48E-08	4.26E-08	0.00E+00	8.73E-08
3848	481391.34	3768563.86	4.229E-07	1.91E-07	0.00E+00	6.14E-07	4.18E-07	2.78E-07	0.00E+00	6.96E-07	7.68E-08	4.73E-08	0.00E+00	1.24E-07	4.29E-08	4.08E-08	0.00E+00	8.37E-08
3849	481400.86	3768563.99	4.031E-07	1.82E-07	0.00E+00	5.85E-07	3.99E-07	2.64E-07	0.00E+00	6.63E-07	7.32E-08	4.50E-08	0.00E+00	1.18E-07	4.09E-08	3.89E-08	0.00E+00	7.98E-08
3850	481410.37	3768564.11	3.821E-07	1.72E-07	0.00E+00	5.54E-07	3.78E-07	2.51E-07	0.00E+00	6.29E-07	6.94E-08	4.27E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.56E-08
3851	481419.89	3768564.23	3.6E-07	1.62E-07	0.00E+00	5.22E-07	3.56E-07	2.36E-07	0.00E+00	5.92E-07	6.54E-08	4.02E-08	0.00E+00	1.06E-07	3.65E-08	3.47E-08	0.00E+00	7.12E-08
3852	481429.41	3768564.35	3.369E-07	1.52E-07	0.00E+00	4.89E-07	3.33E-07	2.21E-07	0.00E+00	5.54E-07	6.12E-08	3.77E-08	0.00E+00	9.89E-08	3.42E-08	3.25E-08	0.00E+00	6.67E-08
3853	481438.93	3768564.47	3.128E-07	1.41E-07	0.00E+00	4.54E-07	3.10E-07	2.05E-07	0.00E+00	5.15E-07	5.68E-08	3.50E-08	0.00E+00	9.18E-08	3.17E-08	3.02E-08	0.00E+00	6.19E-08
3854	481448.44	3768564.59	2.88E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.74E-07	5.23E-08	3.22E-08	0.00E+00	8.45E-08	2.92E-08	2.78E-08	0.00E+00	5.70E-08
3855	481457.96	3768564.71	2.628E-07	1.19E-07	0.00E+00	3.81E-07	2.60E-07	1.72E-07	0.00E+00	4.33E-07	4.78E-08	2.94E-08	0.00E+00	7.71E-08	2.67E-08	2.54E-08	0.00E+00	5.20E-08
3856	481467.48	3768564.83	2.378E-07	1.07E-07	0.00E+00	3.45E-07	2.35E-07	1.56E-07	0.00E+00	3.91E-07	4.32E-08	2.66E-08	0.00E+00	6.98E-08	2.41E-08	2.29E-08	0.00E+00	4.71E-08
3857	481476.99	3768564.95	2.14E-07	9.65E-08	0.00E+00	3.10E-07	2.12E-07	1.40E-07	0.00E+00	3.52E-07	3.89E-08	2.39E-08	0.00E+00	6.28E-08	2.17E-08	2.06E-08	0.00E+00	4.23E-08
3858	481486.51	3768565.07	1.928E-07	8.70E-08	0.00E+00	2.80E-07	1.91E-07	1.27E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.66E-08	1.96E-08	1.86E-08	0.00E+00	3.82E-08
3859	481496.03	3768565.19	1.757E-07	7.92E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.69E-08	0.00E+00	3.48E-08
3860	481505.55	3768565.31	1.63E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.23E-08
3861	481515.06	3768565.43	1.538E-07	6.94E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
3862	481524.58	3768565.55	1.466E-07	6.61E-08	0.00E+00	2.13E-07	1.45E-07	9.62E-08	0.00E+00	2.41E-07	2.66E-08	1.64E-08	0.00E+00	4.30E-08	1.49E-08	1.41E-08	0.00E+00	2.90E-08
3863	481353.14	3768573.22	3.973E-07	1.79E-07	0.00E+00	5.76E-07	3.93E-07	2.61E-07	0.00E+00	6.54E-07	7.22E-08	4.44E-08	0.00E+00	1.17E-07	4.03E-08	3.83E-08	0.00E+00	7.86E-08
3864	481362.66	3768573.34	3.829E-07	1.73E-07	0.00E+00	5.56E-07	3.79E-07	2.51E-07	0.00E+00	6.30E-07	6.96E-08	4.28E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.58E-08
3865	481372.18	3768573.46	3.678E-07	1.66E-07	0.00E+00	5.34E-07	3.64E-07	2.41E-07	0.00E+00	6.05E-07	6.68E-08	4.11E-08	0.00E+00	1.08E-07	3.73E-08	3.55E-08	0.00E+00	7.28E-08
3866	481381.7	3768573.58	3.519E-07	1.59E-07	0.00E+00	5.11E-07	3.48E-07	2.31E-07	0.00E+00	5.79E-07	6.39E-08	3.93E-08	0.00E+00	1.03E-07	3.57E-08	3.39E-08	0.00E+00	6.96E-08
3867	481391.21	3768573.7	3.351E-07	1.51E-07	0.00E+00	4.86E-07	3.32E-07	2.20E-07	0.00E+00	5.52E-07	6.09E-08	3.75E-08	0.00E+00	9.83E-08	3.40E-08	3.23E-08	0.00E+00	6.63E-08
3868	481400.73	3768573.82	3.175E-07	1.43E-07	0.00E+00	4.61E-07	3.14E-07	2.08E-07	0.00E+00	5.22E-07	5.77E-08	3.55E-08	0.00E+00	9.32E-08	3.22E-08	3.06E-08	0.00E+00	6.28E-08
3869	481410.25	3768573.94	2.991E-07	1.35E-07	0.00E+00	4.34E-07	2.96E-07	1.96E-07	0.00E+00	4.92E-07	5.43E-08	3.34E-08	0.00E+00	8.78E-08	3.03E-08	2.89E-08	0.00E+00	5.92E-08
3870	481419.77	3768574.06	2.8E-07	1.26E-07	0.00E+00	4.06E-07	2.77E-07	1.84E-07	0.00E+00	4.61E-07	5.09E-08	3.13E-08	0.00E+00	8.22E-08	2.84E-08	2.70E-08	0.00E+00	5.54E-08
3871	481429.28	3768574.18	2.607E-07	1.18E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.29E-07	4.74E-08	2.91E-08	0.00E+00	7.65E-08	2.64E-08	2.51E-08	0.00E+00	5.16E-08
3872	481438.8	3768574.31	2.41E-07	1.09E-07	0.00E+00	3.50E-07	2.38E-07	1.58E-07	0.00E+00	3.97E-07	4.38E-08	2.69E-08	0.00E+00	7.07E-08	2.44E-08	2.32E-08	0.00E+00	4.77E-08
3873	481448.32	3768574.43	2.213E-07	9.98E-08	0.00E+00	3.21E-07	2.19E-07	1.45E-07	0.00E+00	3.64E-07	4.02E-08	2.47E-08	0.00E+00	6.49E-08	2.25E-08	2.14E-08	0.00E+00	4.38E-08
3874	481457.84	3768574.55	2.021E-07	9.11E-08	0.00E+00	2.93E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.67E-08	2.26E-08	0.00E+00	5.93E-08	2.05E-08	1.95E-08	0.00E+00	4.00E-08
3875	481467.35	3768574.67	1.838E-07	8.29E-08	0.00E+00	2.67E-07	1.82E-07	1.21E-07	0.00E+00	3.02E-07	3.34E-08	2.05E-08	0.00E+00	5.39E-08	1.86E-08	1.77E-08	0.00E+00	3.64E-08
3876	481476.87	3768574.79	1.673E-07	7.54E-08	0.00E+00	2.43E-07	1.66E-07	1.10E-07	0.00E+00	2.75E-07	3.04E-08	1.87E-08	0.00E+00	4.91E-08	1.70E-08	1.61E-08	0.00E+00	3.31E-08
3877	481486.39	3768574.91	1.532E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.50E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
3878	481495.91	3768575.03	1.422E-07	6.41E-08	0.00E+00	2.06E-07	1.41E-07	9.33E-08	0.00E+00	2.34E-07	2.58E-08	1.59E-08	0.00E+00	4.17E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
3879	481505.42	3768575.15	1.339E-07	6.04E-08	0.00E+00	1.94E-07	1.32E-07	8.79E-08	0.00E+00	2.20E-07	2.43E-08	1.50E-08	0.00E+00	3.93E-08	1.36E-08	1.29E-08	0.00E+00	2.65E-08
3880	481514.94	3768575.27	1.277E-07	5.76E-08	0.00E+00	1.85E-07	1.26E-07	8.38E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.29E-08	1.23E-08	0.00E+00	2.53E-08
3881	481524.46	3768575.39	1.225E-07	5.52E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.59E-08	1.24E-08	1.18E-08	0.00E+00	2.42E-08
3882	481353.02	3768583.06	3.267E-07	1.47E-07	0.00E+00	4.74E-07	3.23E-07	2.14E-07	0.00E+00	5.38E-07	5.94E-08	3.65E-08	0.00E+00	9.59E-08	3.31E-08	3.15E-08	0.00E+00	6.47E-08
3883	481362.54	3768583.18	3.132E-07	1.41E-07	0.00E+00	4.54E-07	3.10E-07	2.06E-07	0.00E+00	5.15E-07	5.69E-08	3.50E-08	0.00E+00	9.19E-08	3.18E-08	3.02E-08	0.00E+00	6.20E-08
3884	481372.05	3768583.3	2.993E-07	1.35E-07	0.00E+00	4.34E-07	2.96E-07	1.96E-07	0.00E+00	4.93E-07	5.44E-08	3.34E-08	0.00E+00	8.78E-08	3.04E-08	2.89E-08	0.00E+00	5.92E-08
3885	481381.57	3768583.42	2.847E-07	1.28E-07	0.00E+00	4.13E-07	2.82E-07	1.87E-07	0.00E+00	4.69E-07	5.17E-08	3.18E-08	0.00E+00	8.36E-08	2.89E-08	2.75E-08	0.00E+00	5.63E-08
3886	481391.09	3768583.54	2.696E-07	1.22E-07	0.00E+00	3.91E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.90E-08	3.01E-08	0.00E+00	7.91E-08	2.73E-08	2.60E-08	0.00E+00	5.34E-08
3887	481400.61	3768583.66	2.541E-07	1.15E-07	0.00E+00	3.69E-07	2.51E-07	1.67E-07	0.00E+00	4.18E-07	4.62E-08	2.84E-08	0.00E+00	7.46E-08	2.58E-08	2.45E-08	0.00E+00	5.03E-08
3888	481410.12	3768583.78	2.383E-07	1.07E-07	0.00E+00	3.46E-07	2.36E-07	1.56E-07	0.00E+00	3.92E-07	4.33E-08	2.66E-08	0.00E+00	6.99E-08	2.42E-08	2.30E-08	0.00E+00	4.72E-08
3889	481419.64	3768583.9	2.221E-07	1.00E-07	0.00E+00	3.22E-07	2.20E-07	1.46E-07	0.00E+00	3.66E-07	4.04E-08	2.48E-08	0.00E+00	6.52E-08	2.25E-08	2.14E-08	0.00E+00	4.40E-08
3890	481429.16	3768584.02	2.061E-07	9.29E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.74E-08	2.30E-08	0.00E+00	6.05E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
3891	481438.68	3768584.14	1.903E-07	8.58E-08	0.00E+00	2.76E-07	1.88E-07	1.25E-07	0.00E+00	3.13E-07	3.46E-08	2.13E-08	0.00E+00	5.58E-08	1.93E-08	1.84E-08	0.00E+00	3.77E-08
3892	481448.19	3768584.26	1.749E-07	7.89E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.95E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
3893	481457.71	3768584.38	1.603E-07	7.23E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	2.91E-08	1.79E-08	0.00E+00	4.70E-08	1.63E-08	1.55E-08	0.00E+00	3.17E-08
3894	481467.23	3768584.5	1.469E-07	6.63E-08	0.00E+00	2.13E-07	1.45E-07	9.64E-08	0.00E+00	2.42E-07	2.67E-08	1.64E-08	0.00E+00	4.31E-08	1.49E-08	1.42E-08	0.00E+00	2.91E-08
3895	481476.75	3768584.63	1.353E-07	6.10E-08	0.00E+00	1.96E-07	1.34E-07	8.88E-08	0.00E+00	2.23E-07	2.46E-08	1.51E-08	0.00E+00	3.97E-08	1.37E-08	1.30E-08	0.00E+00	2.68E-08
3896	481486.26	3768584.75	1.257E-07	5.67E-08	0.00E+00	1.82E-07	1.24E-07	8.25E-08	0.00E+00	2.07E-07	2.28E-08	1.40E-08	0.00E+00	3.69E-08	1.27E-08	1.21E-08	0.00E+00	2.49E-08
3897	481495.78	3768584.87	1.182E-07	5.33E-08	0.00E+00	1.71E-07	1.17E-07	7.75E-08	0.00E+00	1.94E-07	2.15E-08	1.32E-08	0.00E+00	3.47E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
3898	481505.3	3768584.99	1.124E-07	5.07E-08	0.00E+00	1.63E-07	1.11E-07	7.38E-08	0.00E+00	1.85E-07	2.04E-08	1.26E-08	0.00E+00	3.30E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
3899	481514.82	3768585.11	1.079E-07	4.87E-08	0.00E+00	1.57E-07	1.07E-07	7.08E-08	0.00E+00	1.78E-07	1.96E-08	1.21E-08	0.00E+00	3.17E-08	1.09E-08	1.04E-08	0.00E+00	2.14E-08
3900	481524.33	3768585.23	1.041E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.83E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.06E-08	1.00E-08	0.00E+00	2.06E-08
3901	481352.9	3768592.9	2.714E-07	1.22E-07	0.00E+00	3.94E-07	2.69E-07	1.78E-07	0.00E+00	4.47E-07	4.93E-08	3.03E-08	0.00E+00	7.96E-08	2.75E-08	2.62E-08	0.00E+00	5.37E-08
3902	481362.41	3768593.02	2.59E-07	1.17E-07	0.00E+00	3.76E-07	2.56E-07	1.70E-07	0.00E+00	4.26E-07	4.71E-08	2.89E-08	0.00E+00	7.60E-08	2.63E-08	2.50E-08	0.00E+00	5.12E-08
3903	481371.93	3768593.14	2.462E-07	1.11E-07	0.00E+00	3.57E-07	2.44E-07	1.62E-07	0.00E+00	4.05E-07	4.47E-08	2.75E-08	0.00E+00	7.23E-08	2.50E-08	2.38E-08	0.00E+00	4.87E-08
3904	481381.45	3768593.26	2.331E-07	1.05E-07	0.00E+00	3.38E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.84E-08	2.36E-08	2.25E-08	0.00E+00	4.61E-08
3905	481390.96	3768593.38	2.198E-07	9.91E-08	0.00E+00	3.19E-07	2.18E-07	1.44E-07	0.00E+00	3.62E-07	3.99E-08	2.46E-08	0.00E+00	6.45E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
3906	481400.48	3768593.5	2.064E-07	9.31E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.40E-07	3.75E-08	2.31E-08	0.00E+00	6.06E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
3907	481410	3768593.62	1.928E-07	8.70E-08	0.00E+00	2.80E-07	1.91E-07	1.27E-07	0.00E+00	3.17E-07	3.50E-08	2.16E-08	0.00E+00	5.66E-08	1.96E-08	1.86E-08	0.00E+00	3.82E-08
3908	481419.52	3768593.74	1.793E-07	8.09E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
3909	481429.03	3768593.86	1.662E-07	7.50E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.74E-07	3.02E-08	1.86E-08	0.00E+00	4.88E-08	1.69E-08	1.60E-08	0.00E+00	3.29E-08
3910	481438.55	3768593.98	1.536E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
3911	481448.07	3768594.1	1.416E-07	6.38E-08	0.00E+00	2.05E-07	1.40E-07	9.29E-08	0.00E+00	2.33E-07	2.57E-08	1.58E-08	0.00E+00	4.15E-08	1.44E-08	1.37E-08	0.00E+00	2.80E-08
3912	481457.59	3768594.22	1.305E-07	5.89E-08	0.00E+00	1.89E-07	1.29E-07	8.56E-08	0.00E+00	2.15E-07	2.37E-08	1.46E-08	0.00E+00	3.83E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
3913	481467.1	3768594.34	1.207E-07	5.44E-08	0.00E+00	1.75E-07	1.19E-07	7.92E-08	0.00E+00	1.99E-07	2.19E-08	1.35E-08	0.00E+00	3.54E-08	1.22E-08	1.16E-08	0.00E+00	2.39E-08
3914	481476.62	3768594.46	1.124E-07	5.07E-08	0.00E+00	1.63E-07	1.11E-07	7.37E-08	0.00E+00	1.85E-07	2.04E-08	1.26E-08	0.00E+00	3.30E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
3915	481486.14	3768594.58	1.056E-07	4.76E-08	0.00E+00	1.53E-07	1.04E-07	6.93E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.10E-08	1.07E-08	1.02E-08	0.00E+00	2.09E-08
3916	481495.66	3768594.7	1.002E-07	4.52E-08	0.00E+00	1.45E-07	9.92E-08	6.58E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.02E-08	9.67E-09	0.00E+00	1.98E-08
3917	481505.17	3768594.82	9.601E-08	4.33E-08	0.00E+00	1.39E-07	9.50E-08	6.30E-08	0.00E+00	1.58E-07	1.74E-08	1.07E-08	0.00E+00	2.82E-08	9.74E-09	9.26E-09	0.00E+00	1.90E-08
3918	481514.69	3768594.95	9.257E-08	4.17E-08	0.00E+00	1.34E-07	9.16E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.72E-08	9.39E-09	8.93E-09	0.00E+00	1.83E-08
3919	481524.21	3768595.07	8.961E-08	4.04E-08	0.00E+00	1.30E-07	8.87E-08	5.88E-08	0.00E+00	1.47E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.09E-09	8.64E-09	0.00E+00	1.77E-08
3920	481352.77	3768602.73	2.274E-07	1.03E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.74E-07	4.13E-08	2.54E-08	0.00E+00	6.67E-08	2.31E-08	2.19E-08	0.00E+00	4.50E-08
3921	481362.29	3768602.85	2.161E-07	9.74E-08	0.00E+00	3.14E-07	2.14E-07	1.42E-07	0.00E+00	3.56E-07	3.93E-08	2.41E-08	0.00E+00	6.34E-08	2.19E-08	2.08E-08	0.00E+00	4.28E-08
3922	481371.81	3768602.98	2.046E-07	9.23E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.37E-07	3.72E-08	2.29E-08	0.00E+00	6.00E-08	2.08E-08	1.97E-08	0.00E+00	4.05E-08
3923	481381.32	3768603.1	1.93E-07	8.70E-08	0.00E+00	2.80E-07	1.91E-07	1.27E-07	0.00E+00	3.18E-07	3.51E-08	2.16E-08	0.00E+00	5.66E-08	1.96E-08	1.86E-08	0.00E+00	3.82E-08
3924	481390.84	3768603.22	1.814E-07	8.18E-08	0.00E+00	2.63E-07	1.79E-07	1.19E-07	0.00E+00	2.98E-07	3.30E-08	2.03E-08	0.00E+00	5.32E-08	1.84E-08	1.75E-08	0.00E+00	3.59E-08
3925	481400.36	3768603.34	1.698E-07	7.66E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08

3948	481438.3	3768613.66	1.059E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.95E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.11E-08	1.07E-08	1.02E-08	0.00E+00	2.10E-08
3949	481447.82	3768613.78	9.861E-08	4.45E-08	0.00E+00	1.43E-07	9.76E-08	6.47E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.89E-08	1.00E-08	9.51E-09	0.00E+00	1.95E-08
3950	481457.34	3768613.9	9.216E-08	4.16E-08	0.00E+00	1.34E-07	9.12E-08	6.05E-08	0.00E+00	1.52E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.35E-09	8.89E-09	0.00E+00	1.82E-08
3951	481466.85	3768614.02	8.664E-08	3.91E-08	0.00E+00	1.26E-07	8.57E-08	5.69E-08	0.00E+00	1.43E-07	1.57E-08	9.68E-09	0.00E+00	2.54E-08	8.79E-09	8.36E-09	0.00E+00	1.71E-08
3952	481476.37	3768614.14	8.204E-08	3.70E-08	0.00E+00	1.19E-07	8.12E-08	5.38E-08	0.00E+00	1.35E-07	1.49E-08	9.17E-09	0.00E+00	2.41E-08	8.32E-09	7.91E-09	0.00E+00	1.62E-08
3953	481485.89	3768614.26	7.829E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.75E-09	0.00E+00	2.30E-08	7.94E-09	7.55E-09	0.00E+00	1.55E-08
3954	481495.41	3768614.38	7.524E-08	3.39E-08	0.00E+00	1.09E-07	7.45E-08	4.94E-08	0.00E+00	1.24E-07	1.37E-08	8.41E-09	0.00E+00	2.21E-08	7.63E-09	7.26E-09	0.00E+00	1.49E-08
3955	481504.92	3768614.5	7.273E-08	3.28E-08	0.00E+00	1.06E-07	7.20E-08	4.77E-08	0.00E+00	1.20E-07	1.32E-08	8.13E-09	0.00E+00	2.13E-08	7.38E-09	7.02E-09	0.00E+00	1.44E-08
3956	481514.44	3768614.62	7.05E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
3957	481523.96	3768614.74	6.838E-08	3.08E-08	0.00E+00	9.92E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.64E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
3958	481352.52	3768622.41	1.631E-07	7.36E-08	0.00E+00	2.37E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.79E-08	1.65E-08	1.57E-08	0.00E+00	3.23E-08
3959	481362.04	3768622.53	1.541E-07	6.95E-08	0.00E+00	2.24E-07	1.52E-07	1.01E-07	0.00E+00	2.54E-07	2.80E-08	1.72E-08	0.00E+00	4.52E-08	1.56E-08	1.49E-08	0.00E+00	3.05E-08
3960	481371.56	3768622.65	1.451E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.52E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
3961	481381.07	3768622.77	1.363E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.94E-08	0.00E+00	2.24E-07	2.48E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.31E-08	0.00E+00	2.70E-08
3962	481390.59	3768622.89	1.276E-07	5.76E-08	0.00E+00	1.85E-07	1.26E-07	8.38E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.29E-08	1.23E-08	0.00E+00	2.53E-08
3963	481400.11	3768623.01	1.193E-07	5.38E-08	0.00E+00	1.73E-07	1.18E-07	7.83E-08	0.00E+00	1.96E-07	2.17E-08	1.33E-08	0.00E+00	3.50E-08	1.21E-08	1.15E-08	0.00E+00	2.36E-08
3964	481409.63	3768623.13	1.112E-07	5.02E-08	0.00E+00	1.61E-07	1.10E-07	7.30E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3965	481419.14	3768623.25	1.036E-07	4.67E-08	0.00E+00	1.50E-07	1.03E-07	6.80E-08	0.00E+00	1.71E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	1.00E-08	0.00E+00	2.05E-08
3966	481428.66	3768623.37	9.662E-08	4.36E-08	0.00E+00	1.40E-07	9.56E-08	6.34E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.80E-09	9.32E-09	0.00E+00	1.91E-08
3967	481438.18	3768623.49	9.019E-08	4.07E-08	0.00E+00	1.31E-07	8.92E-08	5.92E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.15E-09	8.70E-09	0.00E+00	1.78E-08
3968	481447.7	3768623.62	8.443E-08	3.81E-08	0.00E+00	1.23E-07	8.36E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.44E-09	0.00E+00	2.48E-08	8.56E-09	8.15E-09	0.00E+00	1.67E-08
3969	481457.21	3768623.74	7.943E-08	3.58E-08	0.00E+00	1.15E-07	7.86E-08	5.21E-08	0.00E+00	1.31E-07	1.44E-08	8.88E-09	0.00E+00	2.33E-08	8.06E-09	7.66E-09	0.00E+00	1.57E-08
3970	481466.73	3768623.86	7.517E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.21E-08	7.63E-09	7.25E-09	0.00E+00	1.49E-08
3971	481476.25	3768623.98	7.163E-08	3.23E-08	0.00E+00	1.04E-07	7.09E-08	4.70E-08	0.00E+00	1.18E-07	1.30E-08	8.01E-09	0.00E+00	2.10E-08	7.27E-09	6.91E-09	0.00E+00	1.42E-08
3972	481485.76	3768624.1	6.869E-08	3.10E-08	0.00E+00	9.97E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.68E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
3973	481495.28	3768624.22	6.623E-08	2.99E-08	0.00E+00	9.61E-08	6.55E-08	4.35E-08	0.00E+00	1.09E-07	1.20E-08	7.40E-09	0.00E+00	1.94E-08	6.72E-09	6.39E-09	0.00E+00	1.31E-08
3974	481504.8	3768624.34	6.415E-08	2.89E-08	0.00E+00	9.31E-08	6.35E-08	4.21E-08	0.00E+00	1.06E-07	1.17E-08	7.17E-09	0.00E+00	1.88E-08	6.51E-09	6.19E-09	0.00E+00	1.27E-08
3975	481514.32	3768624.46	6.23E-08	2.81E-08	0.00E+00	9.04E-08	6.17E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3976	481523.83	3768624.58	6.062E-08	2.73E-08	0.00E+00	8.80E-08	6.00E-08	3.98E-08	0.00E+00	9.98E-08	1.10E-08	6.78E-09	0.00E+00	1.78E-08	6.15E-09	5.85E-09	0.00E+00	1.20E-08
3977	481352.4	3768632.25	1.396E-07	6.29E-08	0.00E+00	2.03E-07	1.38E-07	9.16E-08	0.00E+00	2.30E-07	2.54E-08	1.56E-08	0.00E+00	4.10E-08	1.42E-08	1.35E-08	0.00E+00	2.76E-08
3978	481361.91	3768632.37	1.316E-07	5.94E-08	0.00E+00	1.91E-07	1.30E-07	8.64E-08	0.00E+00	2.17E-07	2.39E-08	1.47E-08	0.00E+00	3.86E-08	1.34E-08	1.27E-08	0.00E+00	2.60E-08
3979	481371.43	3768632.49	1.238E-07	5.58E-08	0.00E+00	1.80E-07	1.22E-07	8.12E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.26E-08	1.19E-08	0.00E+00	2.45E-08
3980	481380.95	3768632.61	1.161E-07	5.24E-08	0.00E+00	1.69E-07	1.15E-07	7.62E-08	0.00E+00	1.91E-07	2.11E-08	1.30E-08	0.00E+00	3.41E-08	1.18E-08	1.12E-08	0.00E+00	2.30E-08
3981	481390.47	3768632.73	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.14E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
3982	481399.98	3768632.85	1.017E-07	4.59E-08	0.00E+00	1.48E-07	1.01E-07	6.67E-08	0.00E+00	1.67E-07	1.85E-08	1.14E-08	0.00E+00	2.98E-08	1.03E-08	9.81E-09	0.00E+00	2.01E-08
3983	481409.5	3768632.97	9.5E-08	4.28E-08	0.00E+00	1.38E-07	9.40E-08	6.23E-08	0.00E+00	1.56E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.64E-09	9.16E-09	0.00E+00	1.88E-08
3984	481419.02	3768633.09	8.877E-08	4.00E-08	0.00E+00	1.29E-07	8.78E-08	5.82E-08	0.00E+00	1.46E-07	1.61E-08	9.92E-09	0.00E+00	2.60E-08	9.00E-09	8.56E-09	0.00E+00	1.76E-08
3985	481428.54	3768633.21	8.305E-08	3.75E-08	0.00E+00	1.21E-07	8.22E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
3986	481438.05	3768633.33	7.79E-08	3.51E-08	0.00E+00	1.13E-07	7.71E-08	5.11E-08	0.00E+00	1.28E-07	1.42E-08	8.71E-09	0.00E+00	2.29E-08	7.90E-09	7.51E-09	0.00E+00	1.54E-08
3987	481447.57	3768633.45	7.335E-08	3.31E-08	0.00E+00	1.06E-07	7.26E-08	4.81E-08	0.00E+00	1.21E-07	1.33E-08	8.20E-09	0.00E+00	2.15E-08	7.44E-09	7.08E-09	0.00E+00	1.45E-08
3988	481457.09	3768633.57	6.941E-08	3.13E-08	0.00E+00	1.01E-07	6.87E-08	4.55E-08	0.00E+00	1.14E-07	1.26E-08	7.76E-09	0.00E+00	2.04E-08	7.04E-09	6.70E-09	0.00E+00	1.37E-08
3989	481466.61	3768633.69	6.607E-08	2.98E-08	0.00E+00	9.59E-08	6.54E-08	4.34E-08	0.00E+00	1.09E-07	1.20E-08	7.38E-09	0.00E+00	1.94E-08	6.70E-09	6.37E-09	0.00E+00	1.31E-08
3990	481476.12	3768633.81	6.328E-08	2.85E-08	0.00E+00	9.18E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.42E-09	6.10E-09	0.00E+00	1.25E-08
3991	481485.64	3768633.94	6.089E-08	2.75E-08	0.00E+00	8.84E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.87E-09	0.00E+00	1.21E-08
3992	481495.16	3768634.06	5.885E-08	2.65E-08	0.00E+00	8.54E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.16E-08
3993	481504.67	3768634.18	5.709E-08	2.57E-08	0.00E+00	8.28E-08	5.65E-08	3.75E-08	0.00E+00	9.40E-08	1.04E-08	6.38E-09	0.00E+00	1.68E-08	5.79E-09	5.51E-09	0.00E+00	1.13E-08
3994	481514.19	3768634.3	5.555E-08	2.51E-08	0.00E+00	8.06E-08	5.50E-08	3.65E-08	0.00E+00	9.14E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.63E-09	5.36E-09	0.00E+00	1.10E-08
3995	481523.71	3768634.42	5.418E-08	2.44E-08	0.00E+00	7.86E-08	5.36E-08	3.56E-08	0.00E+00	8.92E-08	9.84E-09	6.06E-09	0.00E+00	1.59E-08	5.50E-09	5.23E-09	0.00E+00	1.07E-08
3996	481352.27	3768642.09	1.202E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
3997	481361.79	3768642.21	1.132E-07	5.11E-08	0.00E+00	1.64E-07	1.12E-07	7.43E-08	0.00E+00	1.86E-07	2.06E-08	1.27E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
3998	481371.31	3768642.33	1.064E-07	4.80E-08	0.00E+00	1.54E-07	1.05E-07	6.98E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
3999	481380.82	3768642.45	9.986E-08	4.50E-08	0.00E+00	1.45E-07	9.88E-08	6.55E-08	0.00E+00	1.64E-07	1.81E-08	1.12E-08	0.00E+00	2.93E-08	1.01E-08	9.63E-09	0.00E+00	1.98E-08
4000	481390.34	3768642.57	9.356E-08	4.22E-08	0.00E+00	1.36E-07	9.26E-08	6.14E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.75E-08	9.49E-09	9.03E-09	0.00E+00	1.85E-08
4001	481399.86	3768642.69	8.762E-08	3.95E-08	0.00E+00	1.27E-07	8.67E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.79E-09	0.00E+00	2.57E-08	8.89E-09	8.45E-09	0.00E+00	1.73E-08
4002	481409.38	3768642.81	8.206E-08	3.70E-08	0.00E+00	1.19E-07	8.12E-08	5.39E-08	0.00E+00	1.35E-07	1.49E-08	9.17E-09	0.00E+00	2.41E-08	8.32E-09	7.92E-09	0.00E+00	1.62E-08
4003	481418.89	3768642.93	7.694E-08	3.47E-08	0.00E+00	1.12E-07	7.61E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.60E-09	0.00E+00	2.26E-08	7.80E-09	7.42E-09	0.00E+00	1.52E-08
4004	481428.41	3768643.05	7.229E-08	3.26E-08	0.00E+00	1.05E-07	7.15E-08	4.74E-08	0.00E+00	1.19E-07	1.31E-08	8.08E-09	0.00E+00	2.12E-08	7.33E-09	6.97E-09	0.00E+00	1.43E-08
4005	481437.93	3768643.17	6.813E-08	3.07E-08	0.00E+00	9.89E-08	6.74E-08	4.47E-08	0.00E+00	1.12E-07	1.24E-08	7.61E-09	0.00E+00	2.00E-08	6.91E-09	6.57E-09	0.00E+00	1.35E-08
4006	481447.45	3768643.29	6.449E-08	2.91E-08	0.00E+00	9.36E-08	6.38E-08	4.23E-08	0.00E+00	1.06E-07	1.17E-08	7.21E-09	0.00E+00	1.89E-08	6.54E-09	6.22E-09	0.00E+00	1.28E-08
4007	481456.96	3768643.41	6.135E-08	2.77E-08	0.00E+00	8.90E-08	6.07E-08	4.03E-08	0.00E+00	1.01E-07	1.11E-08	6.86E-09	0.00E+00	1.80E-08	6.22E-09	5.92E-09	0.00E+00	1.21E-08
4008	481466.48	3768643.53	5.868E-08	2.65E-08	0.00E+00	8.51E-08	5.81E-08	3.85E-08	0.00E+00	9.66E-08	1.07E-08	6.56E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
4009	481476	3768643.65	5.643E-08	2.54E-08	0.00E+00	8.19E-08	5.58E-08	3.70E-08	0.00E+00	9.29E-08	1.03E-08	6.31E-09	0.00E+00	1.66E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
4010	481485.52	3768643.77	5.446E-08	2.46E-08	0.00E+00	7.90E-08	5.39E-08	3.57E-08	0.00E+00	8.96E-08	9.90E-09	6.09E-09	0.00E+00	1.60E-08	5.52E-09	5.25E-09	0.00E+00	1.08E-08
4011	481495.03	3768643.89	5.274E-08	2.38E-08	0.00E+00	7.65E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.58E-09	5.89E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
4012	481504.55	3768644.01	5.122E-08	2.31E-08	0.00E+00	7.43E-08	5.07E-08	3.36E-08	0.00E+00	8.43E-08	9.31E-09	5.72E-09	0.00E+00	1.50E-08	5.20E-09	4.94E-09	0.00E+00	1.01E-08
4013	481514.07	3768644.14	4.991E-08	2.25E-08	0.00E+00	7.24E-08	4.94E-08	3.28E-08	0.00E+00	8.21E-08	9.07E-09	5.58E-09	0.00E+00	1.46E-08	5.06E-09	4.81E-09	0.00E+00	9.88E-09
4014	481523.59	3768644.26	4.877E-08	2.20E-08	0.00E+00	7.08E-08	4.83E-08	3.20E-08	0.00E+00	8.03E-08	8.86E-09	5.45E-09	0.00E+00	1.43E-08	4.95E-09	4.71E-09	0.00E+00	9.65E-09
4015	481352.15	3768651.92	1.042E-07	4.70E-08	0.00E+00	1.51E-07	1.03E-07	6.84E-08	0.00E+00	1.72E-07	1.89E-08	1.16E-08	0.00E+00	3.06E-08	1.06E-08	1.01E-08	0.00E+00	2.06E-08
4016	481361.67	3768652.04	9.812E-08	4.42E-08	0.00E+00	1.42E-07	9.71E-08	6.44E-08	0.00E+00	1.61E-07	1.78E-08	1.10E-08	0.00E+00	2.88E-08	9.95E-09	9.47E-09	0.00E+00	1.94E-08
4017	481371.18	3768652.17	9.223E-08	4.16E-08	0.00E+00	1.34E-07	9.13E-08	6.05E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.36E-09	8.90E-09	0.00E+00	1.83E-08
4018	481380.7	3768652.29	8.661E-08	3.91E-08	0.00E+00	1.26E-07	8.57E-08	5.68E-08	0.00E+00	1.43E-07	1.57E-08	9.68E-09	0.00E+00	2.54E-08	8.79E-09	8.36E-09	0.00E+00	1.71E-08
4019	481390.22	3768652.41	8.128E-08	3.67E-08	0.00E+00	1.18E-07	8.04E-08	5.33E-08	0.00E+00	1.34E-07	1.48E-08	9.08E-09	0.00E+00	2.39E-08	8.24E-09	7.84E-09	0.00E+00	1.61E-08
4020	481399.73	3768652.53	7.628E-08	3.44E-08	0.00E+00	1.11E-07	7.55E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.53E-09	0.00E+00	2.24E-08	7.74E-09	7.36E-09	0.00E+00	1.51E-08
4021	481409.25	3768652.65	7.165E-08	3.23E-08	0.00E+00	1.04E-07	7.09E-08	4.70E-08	0.00E+00	1.18E-07	1.30E-08	8.01E-09	0.00E+00	2.10E-08	7.27E-09	6.91E-09	0.00E+00	1.42E-08
4022	481418.77	3768652.77	6.743E-08	3.04E-08	0.00E+00	9.78E-08	6.67E-08	4.42E-08	0.00E+00	1.11E-07	1.23E-08	7.54E-09	0.00E+00	1.98E-08	6.84E-09	6.50E-09	0.00E+00	1.33E-08
4023	481428.29	3768652.89	6.362E-08	2.87E-08	0.00E+00	9.23E-08	6.30E-08	4.17E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
4024	481437.8	3768653.01	6.025E-08	2.72E-08	0.00E+00	8.74E-08	5.96E-08	3.95E-08	0.00E+00	9.91E-08	1.09E-08	6.73E-09	0.00E+00	1.77E-08	6.11E-09	5.81E-09	0.00E+00	1.19E-08
4025	481447.32	3768653.13	5.73E-08	2.58E-08	0.00E+00	8.31E-08	5.67E-08	3.76E-08	0.00E+00	9.43E-08	1.04E-08	6.40E-09	0.00E+00	1.68E-08	5.81E-09	5.53E-09	0.00E+00	1.13E-08
4026	481456.84	3768653.25	5.474E-08	2.47E-08	0.00E+00	7.94E-08	5.42E-08	3.59E-08	0.00E+00	9.01E-08	9.95E-09	6.12E-09	0.00E+00	1.61E-08	5.55E-09	5.28E-09	0.00E+00	1.08E-08
4027	481466.36	3768653.37	5.254E-08	2.37E-08	0.00E+00	7.62E-08	5.20E-08	3.45E-08	0.00E+00	8.65E-08	9.55E-09	5.87E-09	0.00E+00	1.54E-08	5.33E-09	5.07E-09	0.00E+00	1.04E-08
4028	481475.87	3768653.49	5.067E-08	2.29E-08	0.00E+00	7.35E-08	5.01E-08	3.32E-08	0.00E+00	8.34E-08	9.21E-09	5.66E-09	0.00E+00	1.49E-08	5.14E-09	4.89E-09	0.00E+00	1.00E-08
4029	481485.39	3768653.61	4.903E-08	2.21E-08	0.00E+00	7.11E-08	4.85E-08	3.22E-08	0.00E+00	8.07E-08	8.91E-09	5.48E-09	0.00E+00	1.44E-08	4.97E-09	4.73E-09	0.00E+00	9.70E-09
4030	481494.91	3768653.73	4.759E-08	2.15E-08	0.00E+00	6.91E-08	4.71E-08	3.12E-08	0.00E+00	7.83E-08	8.65E-09	5.32E-09	0.00E+00	1.40E-08	4.83E-09	4.59E-09	0.00E+00	9.42E-09
4031	481504.43	3768653.85	4.632E-08	2.09E-08	0.00E+00	6.72E-08	4.58E-08	3.04E-08	0.00E+00	7.62E-08	8.42E-09	5.18E-09	0.00E+00	1.36E-08	4.70E-09	4.47E-09	0.00E+00	9.17E-09
4032	481513.94	3768653.97	4.521E-08	2.04E-08	0.00E+00	6.56E-08	4.47E-08	2.97E-08	0.00E+00	7.44E-08	8.21E-09	5.05E-09	0.00E+00	1.33E-08	4.59E-09	4.36E-09	0.00E+00	8.95E-09
4033	481523.46	3768654.09	4.423E-08	1.99E-08	0.00E+00	6.42E-08	4.38E-08	2.90E-08	0.00E+00	7.28E-08	8.04E-09	4.94E-09	0.00E+00	1.30E-08	4.49E-09	4.27E-09	0.00E+00	8.75E-09
4034	481352.02	3768661.76	9.093E-08	4.10E-08	0.00E+00	1.32E-07	9.00E-08	5.97E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.22E-09	8.77E-09	0.00E+00	1.80E-08
4035	481361.54	3768661.88	8.564E-08	3.86E-08	0.00E+00	1.24E-07	8.47E-08	5.62E-08	0.00E+00	1.41E-07	1.56E-08	9.57E-09	0.00E+00	2.51E-08	8.69E-09	8.26E-09	0.00E+00	1.69E-08
4036	481371.06	3768662	8.057E-08	3.63E-08	0.00E+00	1.17E-07	7.97E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.36E-08	8.17E-09	7.77E-09	0.00E+00	1.59E-08
4037	481380.58	3768662.12	7.577E-08	3.42E-08	0.00E+00	1.10E-07	7.50E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.47E-09	0.00E+00	2.22E-08	7.69E-09	7.31E-09	0.00E+00	1.50E-08
4038	481390.09	3768662.24	7.126E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.68E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.23E-09	6.87E-09	0.00E+00	1.41E-08
4039	481399.61	3768662.36	6.705E-08	3.02E-08	0.00E+00	9.73E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.49E-09	0.00E+00	1.97E-08	6.80E-09	6.47E-09	0.00E+00	1.33E-08
4040	481409.13	3768662.49	6.319E-08	2.85E-08	0.00E+00	9.17E-08	6.25E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.06E-09	0.00E+00	1.85E-08	6.41E-09	6.10E-09	0.00E+00	1.25E-08
4041	481418.64	3768662.61	5.969E-08	2.69E-08	0.00E+00	8.66E-08	5.91E-08	3.92E-08	0.00E+00	9.82E-08	1.08E-08	6.67E-09	0.00E+00	1.75E-08	6.05E-09	5.76E-09	0.00E+00	1.18E-08
4042	481428.16	3768662.73	5.656E-08	2.55E-08	0.00E+00	8.21E-08	5.60E-08	3.71E-08	0.00E+00	9.31E-08	1.03E-08	6.32E-09	0.00E+00	1.66E-08	5.74E-09	5.46E-09	0.00E+00	1.12E-08
4043	481437.68	3768662.85	5.379E-08	2.43E-08	0.00E+00	7.80E-08	5.32E-08	3.53E-08	0.00E+00	8.85E-08	9.77E-09	6.01E-09	0.00E+00	1.58E-08	5.46E-09	5.19E-09	0.00E+00	1.06E-08
4044

4066	481475.62	3768673.17	4.169E-08	1.88E-08	0.00E+00	6.05E-08	4.13E-08	2.74E-08	0.00E+00	6.86E-08	7.58E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
4067	481485.14	3768673.29	4.052E-08	1.83E-08	0.00E+00	5.88E-08	4.01E-08	2.66E-08	0.00E+00	6.67E-08	7.36E-09	4.53E-09	0.00E+00	1.19E-08	4.11E-09	3.91E-09	0.00E+00	8.02E-09
4068	481494.66	3768673.41	3.949E-08	1.78E-08	0.00E+00	5.73E-08	3.91E-08	2.59E-08	0.00E+00	6.50E-08	7.18E-09	4.41E-09	0.00E+00	1.16E-08	4.01E-09	3.81E-09	0.00E+00	7.82E-09
4069	481504.18	3768673.53	3.857E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4070	481513.69	3768673.65	3.774E-08	1.70E-08	0.00E+00	5.48E-08	3.73E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
4071	481523.21	3768673.77	3.698E-08	1.67E-08	0.00E+00	5.37E-08	3.66E-08	2.43E-08	0.00E+00	6.09E-08	6.72E-09	4.13E-09	0.00E+00	1.09E-08	3.75E-09	3.57E-09	0.00E+00	7.32E-09
4072	481351.77	3768681.44	7.058E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
4073	481361.29	3768681.56	6.661E-08	3.00E-08	0.00E+00	9.67E-08	6.59E-08	4.37E-08	0.00E+00	1.10E-07	1.21E-08	7.44E-09	0.00E+00	1.95E-08	6.76E-09	6.43E-09	0.00E+00	1.32E-08
4074	481370.81	3768681.68	6.287E-08	2.84E-08	0.00E+00	9.12E-08	6.22E-08	4.13E-08	0.00E+00	1.03E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4075	481380.33	3768681.8	5.937E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.90E-08	0.00E+00	9.77E-08	1.08E-08	6.64E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
4076	481389.84	3768681.92	5.613E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.24E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
4077	481399.36	3768682.04	5.315E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.75E-08	9.66E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.13E-09	0.00E+00	1.05E-08
4078	481408.88	3768682.16	5.044E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.16E-09	5.64E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	9.98E-09
4079	481418.4	3768682.28	4.8E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.50E-09
4080	481427.91	3768682.4	4.582E-08	2.07E-08	0.00E+00	6.65E-08	4.53E-08	3.01E-08	0.00E+00	7.54E-08	8.33E-09	5.12E-09	0.00E+00	1.34E-08	4.65E-09	4.42E-09	0.00E+00	9.07E-09
4081	481437.43	3768682.52	4.389E-08	1.98E-08	0.00E+00	6.37E-08	4.34E-08	2.88E-08	0.00E+00	7.22E-08	7.97E-09	4.91E-09	0.00E+00	1.29E-08	4.45E-09	4.23E-09	0.00E+00	8.69E-09
4082	481446.95	3768682.64	4.22E-08	1.90E-08	0.00E+00	6.12E-08	4.18E-08	2.77E-08	0.00E+00	6.94E-08	7.67E-09	4.72E-09	0.00E+00	1.24E-08	4.28E-09	4.07E-09	0.00E+00	8.35E-09
4083	481456.47	3768682.76	4.069E-08	1.84E-08	0.00E+00	5.90E-08	4.03E-08	2.67E-08	0.00E+00	6.70E-08	7.39E-09	4.55E-09	0.00E+00	1.19E-08	4.13E-09	3.93E-09	0.00E+00	8.05E-09
4084	481465.98	3768682.88	3.936E-08	1.78E-08	0.00E+00	5.71E-08	3.90E-08	2.58E-08	0.00E+00	6.48E-08	7.15E-09	4.40E-09	0.00E+00	1.16E-08	3.99E-09	3.80E-09	0.00E+00	7.79E-09
4085	481475.5	3768683	3.819E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
4086	481485.02	3768683.13	3.717E-08	1.68E-08	0.00E+00	5.39E-08	3.68E-08	2.44E-08	0.00E+00	6.12E-08	6.75E-09	4.15E-09	0.00E+00	1.09E-08	3.77E-09	3.59E-09	0.00E+00	7.36E-09
4087	481494.53	3768683.25	3.628E-08	1.64E-08	0.00E+00	5.26E-08	3.59E-08	2.38E-08	0.00E+00	5.97E-08	6.59E-09	4.05E-09	0.00E+00	1.06E-08	3.68E-09	3.50E-09	0.00E+00	7.18E-09
4088	481504.05	3768683.37	3.547E-08	1.60E-08	0.00E+00	5.15E-08	3.51E-08	2.33E-08	0.00E+00	5.84E-08	6.45E-09	3.96E-09	0.00E+00	1.04E-08	3.60E-09	3.42E-09	0.00E+00	7.02E-09
4089	481513.57	3768683.49	3.473E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.31E-09	3.88E-09	0.00E+00	1.02E-08	3.52E-09	3.35E-09	0.00E+00	6.87E-09
4090	481351.65	3768691.28	6.276E-08	2.83E-08	0.00E+00	9.11E-08	6.21E-08	4.12E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.37E-09	6.05E-09	0.00E+00	1.24E-08
4091	481361.17	3768691.4	5.934E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.77E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.72E-09	0.00E+00	1.17E-08
4092	481370.68	3768691.52	5.613E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.24E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
4093	481380.2	3768691.64	5.314E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.75E-08	9.65E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.13E-09	0.00E+00	1.05E-08
4094	481389.72	3768691.76	5.038E-08	2.27E-08	0.00E+00	7.31E-08	4.99E-08	3.31E-08	0.00E+00	8.29E-08	9.15E-09	5.63E-09	0.00E+00	1.48E-08	5.11E-09	4.86E-09	0.00E+00	9.97E-09
4095	481399.24	3768691.88	4.785E-08	2.16E-08	0.00E+00	6.94E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.85E-09	4.62E-09	0.00E+00	9.47E-09
4096	481408.75	3768692	4.557E-08	2.06E-08	0.00E+00	6.61E-08	4.51E-08	2.99E-08	0.00E+00	7.50E-08	8.28E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.40E-09	0.00E+00	9.02E-09
4097	481418.27	3768692.12	4.352E-08	1.96E-08	0.00E+00	6.31E-08	4.31E-08	2.86E-08	0.00E+00	7.16E-08	7.91E-09	4.86E-09	0.00E+00	1.28E-08	4.41E-09	4.20E-09	0.00E+00	8.61E-09
4098	481427.79	3768692.24	4.167E-08	1.88E-08	0.00E+00	6.05E-08	4.12E-08	2.73E-08	0.00E+00	6.86E-08	7.57E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
4099	481437.31	3768692.36	4.002E-08	1.80E-08	0.00E+00	5.81E-08	3.96E-08	2.63E-08	0.00E+00	6.59E-08	7.27E-09	4.47E-09	0.00E+00	1.17E-08	4.06E-09	3.86E-09	0.00E+00	7.92E-09
4100	481446.82	3768692.48	3.857E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4101	481456.34	3768692.6	3.729E-08	1.68E-08	0.00E+00	5.41E-08	3.69E-08	2.45E-08	0.00E+00	6.14E-08	6.78E-09	4.17E-09	0.00E+00	1.09E-08	3.78E-09	3.60E-09	0.00E+00	7.38E-09
4102	481465.86	3768692.72	3.616E-08	1.63E-08	0.00E+00	5.25E-08	3.58E-08	2.37E-08	0.00E+00	5.95E-08	6.57E-09	4.04E-09	0.00E+00	1.06E-08	3.67E-09	3.49E-09	0.00E+00	7.16E-09
4103	481475.38	3768692.84	3.516E-08	1.59E-08	0.00E+00	5.10E-08	3.48E-08	2.31E-08	0.00E+00	5.79E-08	6.39E-09	3.93E-09	0.00E+00	1.03E-08	3.57E-09	3.39E-09	0.00E+00	6.96E-09
4104	481484.89	3768692.96	3.428E-08	1.55E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.64E-08	6.23E-09	3.83E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.78E-09
4105	481494.41	3768693.08	3.349E-08	1.51E-08	0.00E+00	4.86E-08	3.31E-08	2.20E-08	0.00E+00	5.51E-08	6.08E-09	3.74E-09	0.00E+00	9.83E-09	3.40E-09	3.23E-09	0.00E+00	6.63E-09
4106	481503.93	3768693.2	3.277E-08	1.48E-08	0.00E+00	4.75E-08	3.24E-08	2.15E-08	0.00E+00	5.39E-08	5.95E-09	3.66E-09	0.00E+00	9.62E-09	3.32E-09	3.16E-09	0.00E+00	6.48E-09
4107	481513.44	3768693.32	3.21E-08	1.45E-08	0.00E+00	4.66E-08	3.18E-08	2.11E-08	0.00E+00	5.28E-08	5.83E-09	3.59E-09	0.00E+00	9.42E-09	3.26E-09	3.10E-09	0.00E+00	6.35E-09
4108	481351.52	3768701.11	5.616E-08	2.53E-08	0.00E+00	8.15E-08	5.56E-08	3.69E-08	0.00E+00	9.24E-08	1.02E-08	6.28E-09	0.00E+00	1.65E-08	5.70E-09	5.42E-09	0.00E+00	1.11E-08
4109	481361.04	3768701.23	5.32E-08	2.40E-08	0.00E+00	7.72E-08	5.26E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
4110	481370.56	3768701.35	5.044E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.16E-09	5.64E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	9.98E-09
4111	481380.08	3768701.48	4.787E-08	2.16E-08	0.00E+00	6.95E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.86E-09	4.62E-09	0.00E+00	9.47E-09
4112	481389.59	3768701.6	4.553E-08	2.05E-08	0.00E+00	6.61E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
4113	481399.11	3768701.72	4.338E-08	1.96E-08	0.00E+00	6.29E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.59E-09
4114	481408.63	3768701.84	4.144E-08	1.87E-08	0.00E+00	6.01E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.20E-09	4.00E-09	0.00E+00	8.20E-09
4115	481418.15	3768701.96	3.97E-08	1.79E-08	0.00E+00	5.76E-08	3.93E-08	2.61E-08	0.00E+00	6.53E-08	7.21E-09	4.44E-09	0.00E+00	1.17E-08	4.03E-09	3.83E-09	0.00E+00	7.86E-09
4116	481427.66	3768702.08	3.812E-08	1.72E-08	0.00E+00	5.53E-08	3.77E-08	2.50E-08	0.00E+00	6.27E-08	6.93E-09	4.26E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.54E-09
4117	481437.18	3768702.2	3.67E-08	1.66E-08	0.00E+00	5.33E-08	3.63E-08	2.41E-08	0.00E+00	6.04E-08	6.67E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.26E-09
4118	481446.7	3768702.32	3.545E-08	1.60E-08	0.00E+00	5.14E-08	3.51E-08	2.33E-08	0.00E+00	5.83E-08	6.44E-09	3.96E-09	0.00E+00	1.04E-08	3.60E-09	3.42E-09	0.00E+00	7.02E-09
4119	481456.22	3768702.44	3.435E-08	1.55E-08	0.00E+00	4.98E-08	3.40E-08	2.25E-08	0.00E+00	5.65E-08	6.24E-09	3.84E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.80E-09
4120	481465.73	3768702.56	3.338E-08	1.51E-08	0.00E+00	4.84E-08	3.30E-08	2.19E-08	0.00E+00	5.49E-08	6.07E-09	3.73E-09	0.00E+00	9.80E-09	3.39E-09	3.22E-09	0.00E+00	6.61E-09
4121	481475.25	3768702.68	3.251E-08	1.47E-08	0.00E+00	4.72E-08	3.22E-08	2.13E-08	0.00E+00	5.35E-08	5.91E-09	3.63E-09	0.00E+00	9.54E-09	3.30E-09	3.14E-09	0.00E+00	6.43E-09
4122	481484.77	3768702.8	3.174E-08	1.43E-08	0.00E+00	4.60E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.31E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
4123	481494.29	3768702.92	3.103E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.11E-08	5.64E-09	3.47E-09	0.00E+00	9.11E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
4124	481503.8	3768703.04	3.039E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.01E-09
4125	481513.32	3768703.16	2.978E-08	1.34E-08	0.00E+00	4.32E-08	2.95E-08	1.95E-08	0.00E+00	4.90E-08	5.41E-09	3.33E-09	0.00E+00	8.74E-09	3.02E-09	2.87E-09	0.00E+00	5.89E-09
4126	481351.4	3768710.95	5.054E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.32E-08	0.00E+00	8.32E-08	9.18E-09	5.65E-09	0.00E+00	1.48E-08	5.13E-09	4.88E-09	0.00E+00	1.00E-08
4127	481360.92	3768711.07	4.798E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.50E-09
4128	481370.44	3768711.19	4.56E-08	2.06E-08	0.00E+00	6.62E-08	4.51E-08	2.99E-08	0.00E+00	7.50E-08	8.29E-09	5.10E-09	0.00E+00	1.34E-08	4.63E-09	4.40E-09	0.00E+00	9.02E-09
4129	481379.95	3768711.31	4.341E-08	1.96E-08	0.00E+00	6.30E-08	4.30E-08	2.85E-08	0.00E+00	7.14E-08	7.89E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.19E-09	0.00E+00	8.59E-09
4130	481389.47	3768711.43	4.14E-08	1.87E-08	0.00E+00	6.01E-08	4.10E-08	2.72E-08	0.00E+00	6.81E-08	7.52E-09	4.63E-09	0.00E+00	1.21E-08	4.20E-09	3.99E-09	0.00E+00	8.19E-09
4131	481398.99	3768711.55	3.956E-08	1.78E-08	0.00E+00	5.74E-08	3.92E-08	2.60E-08	0.00E+00	6.51E-08	7.19E-09	4.42E-09	0.00E+00	1.16E-08	4.01E-09	3.82E-09	0.00E+00	7.83E-09
4132	481408.5	3768711.67	3.791E-08	1.71E-08	0.00E+00	5.50E-08	3.75E-08	2.49E-08	0.00E+00	6.24E-08	6.89E-09	4.24E-09	0.00E+00	1.11E-08	3.85E-09	3.66E-09	0.00E+00	7.50E-09
4133	481418.02	3768711.8	3.642E-08	1.64E-08	0.00E+00	5.28E-08	3.60E-08	2.39E-08	0.00E+00	5.99E-08	6.62E-09	4.07E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.21E-09
4134	481427.54	3768711.92	3.506E-08	1.58E-08	0.00E+00	5.09E-08	3.47E-08	2.30E-08	0.00E+00	5.77E-08	6.37E-09	3.92E-09	0.00E+00	1.03E-08	3.56E-09	3.38E-09	0.00E+00	6.94E-09
4135	481437.06	3768712.04	3.384E-08	1.53E-08	0.00E+00	4.91E-08	3.35E-08	2.22E-08	0.00E+00	5.57E-08	6.15E-09	3.78E-09	0.00E+00	9.93E-09	3.43E-09	3.26E-09	0.00E+00	6.70E-09
4136	481446.57	3768712.16	3.275E-08	1.48E-08	0.00E+00	4.75E-08	3.24E-08	2.15E-08	0.00E+00	5.39E-08	5.95E-09	3.66E-09	0.00E+00	9.61E-09	3.32E-09	3.16E-09	0.00E+00	6.48E-09
4137	481456.09	3768712.28	3.179E-08	1.43E-08	0.00E+00	4.61E-08	3.15E-08	2.09E-08	0.00E+00	5.23E-08	5.78E-09	3.55E-09	0.00E+00	9.33E-09	3.22E-09	3.07E-09	0.00E+00	6.29E-09
4138	481465.61	3768712.4	3.095E-08	1.40E-08	0.00E+00	4.49E-08	3.06E-08	2.03E-08	0.00E+00	5.09E-08	5.62E-09	3.46E-09	0.00E+00	9.08E-09	3.14E-09	2.99E-09	0.00E+00	6.12E-09
4139	481475.13	3768712.52	3.018E-08	1.36E-08	0.00E+00	4.38E-08	2.99E-08	1.98E-08	0.00E+00	4.97E-08	5.48E-09	3.37E-09	0.00E+00	8.86E-09	3.06E-09	2.91E-09	0.00E+00	5.97E-09
4140	481484.64	3768712.64	2.949E-08	1.33E-08	0.00E+00	4.28E-08	2.92E-08	1.94E-08	0.00E+00	4.85E-08	5.36E-09	3.30E-09	0.00E+00	8.65E-09	2.99E-09	2.85E-09	0.00E+00	5.84E-09
4141	481494.16	3768712.76	2.886E-08	1.30E-08	0.00E+00	4.19E-08	2.86E-08	1.89E-08	0.00E+00	4.75E-08	5.24E-09	3.23E-09	0.00E+00	8.47E-09	2.93E-09	2.78E-09	0.00E+00	5.71E-09
4142	481503.68	3768712.88	2.828E-08	1.28E-08	0.00E+00	4.10E-08	2.80E-08	1.86E-08	0.00E+00	4.65E-08	5.14E-09	3.16E-09	0.00E+00	8.30E-09	2.87E-09	2.73E-09	0.00E+00	5.60E-09
4143	481513.2	3768713	2.773E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.04E-09	3.10E-09	0.00E+00	8.14E-09	2.81E-09	2.67E-09	0.00E+00	5.49E-09
4144	481351.28	3768720.79	4.573E-08	2.06E-08	0.00E+00	6.64E-08	4.53E-08	3.00E-08	0.00E+00	7.53E-08	8.31E-09	5.11E-09	0.00E+00	1.34E-08	4.64E-09	4.41E-09	0.00E+00	9.05E-09
4145	481360.79	3768720.91	4.352E-08	1.96E-08	0.00E+00	6.31E-08	4.31E-08	2.86E-08	0.00E+00	7.16E-08	7.91E-09	4.86E-09	0.00E+00	1.28E-08	4.41E-09	4.20E-09	0.00E+00	8.61E-09
4146	481370.31	3768721.03	4.147E-08	1.87E-08	0.00E+00	6.02E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.21E-09	4.00E-09	0.00E+00	8.21E-09
4147	481379.83	3768721.15	3.958E-08	1.78E-08	0.00E+00	5.74E-08	3.92E-08	2.60E-08	0.00E+00	6.51E-08	7.19E-09	4.42E-09	0.00E+00	1.16E-08	4.01E-09	3.82E-09	0.00E+00	7.83E-09
4148	481389.35	3768721.27	3.785E-08	1.71E-08	0.00E+00	5.49E-08	3.75E-08	2.48E-08	0.00E+00	6.23E-08	6.88E-09	4.23E-09	0.00E+00	1.11E-08	3.84E-09	3.65E-09	0.00E+00	7.49E-09
4149	481398.86	3768721.39	3.628E-08	1.64E-08	0.00E+00	5.26E-08	3.59E-08	2.38E-08	0.00E+00	5.97E-08	6.59E-09	4.05E-09	0.00E+00	1.06E-08	3.68E-09	3.50E-09	0.00E+00	7.18E-09
4150	481408.38	3768721.51	3.486E-08	1.57E-08	0.00E+00	5.06E-08	3.45E-08	2.29E-08	0.00E+00	5.74E-08	6.33E-09	3.90E-09	0.00E+00	1.02E-08	3.54E-09	3.36E-09	0.00E+00	6.90E-09
4151	481417.9	3768721.63	3.358E-08	1.51E-08	0.00E+00	4.87E-08	3.32E-08	2.20E-08	0.00E+00	5.53E-08	6.10E-09	3.75E-09	0.00E+00	9.85E-09	3.41E-09	3.24E-09	0.00E+00	6.65E-09
4152	481427.41	3768721.75	3.241E-08	1.46E-08	0.00E+00	4.70E-08	3.21E-08	2.13E-08	0.00E+00	5.33E-08	5.89E-09	3.62E-09	0.00E+00	9.51E-09	3.29E-09	3.13E-09	0.00E+00	6.41E-09
4153	481436.93	3768721.87	3.135E-08	1.41E-08	0.00E+00	4.55E-08	3.10E-08	2.06E-08	0.00E+00	5.16E-08	5.70E-09	3.50E-09	0.00E+00	9.20E-09	3.18E-09	3.02E-09	0.00E+00	6.20E-09
4154	481446.45	3768721.99	3.039E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.01E-09
4155	481455.97	3768722.12	2.955E-08	1.33E-08	0.00E+00	4.29E-08	2.92E-08	1.94E-08	0.00E+00	4.86E-08	5.37E-09	3.30E-09	0.00E+00	8.67E-09	3.00E-09	2.85E-09	0.00E+00	5.85E-09
4156	481465.48	3768722.24	2.88E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.23E-09	3.22E-09	0.00E+00	8.45E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
4157	481475	3768722.36	2.812E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.85E-08	0.00E+00	4.63E-08	5.11E-09	3.14E-09	0.00E+00	8.25E-09	2.85E-09	2.71E-09	0.00E+00	5.57E-09
4158	481484.52	3768722.48	2.75E-08	1.24E-08	0.00E+00	3.99E-08	2.72E-08	1.80E-08	0.00E+00	4.53E-08	5.00E-09	3.07E-09	0.00E+00	8.07E-09	2.79E-09	2.65E-09	0.00E+00	5.44E-09
4159	481494.04	3768722.6	2.693E-08	1.21E-08	0.00E+00	3.91E-08	2.66E-08	1.77E-08	0.00E+00	4.43E-08	4.89E-09	3.01E-09	0.00E+00	7.90E-09	2.73E-09	2.60E-09	0.00E+00	5.33E-09
4160	481503.55	3768722.72	2.64E-08	1.19E-08	0.00E+00	3.83E-08	2.61E-08	1.73E-08	0.00E+00	4.34E-08	4.80E-09	2.95E-09	0.00E+00	7.75E-09	2.68E-09	2.55E-09	0.00E+00	5.22E-09
4161	481513.07	3768722.84	2.59E-08	1.17E-08	0.00E+00	3.76E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.71E-09	2.89E-09	0.00E+00	7.60E-09	2.63E-09	2.50E-09	0.00E+00	5.13E-09
4162	481

4184	481388.85	3768760.62	2.771E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.03E-09	3.10E-09	0.00E+00	8.13E-09	2.81E-09	2.67E-09	0.00E+00	5.48E-09
4185	481398.36	3768760.74	2.68E-08	1.21E-08	0.00E+00	3.89E-08	2.65E-08	1.76E-08	0.00E+00	4.41E-08	4.87E-09	3.00E-09	0.00E+00	7.87E-09	2.72E-09	2.59E-09	0.00E+00	5.30E-09
4186	481407.88	3768760.86	2.598E-08	1.17E-08	0.00E+00	3.77E-08	2.57E-08	1.70E-08	0.00E+00	4.28E-08	4.72E-09	2.90E-09	0.00E+00	7.62E-09	2.64E-09	2.51E-09	0.00E+00	5.14E-09
4187	481417.4	3768760.98	2.523E-08	1.14E-08	0.00E+00	3.66E-08	2.50E-08	1.66E-08	0.00E+00	4.15E-08	4.58E-09	2.82E-09	0.00E+00	7.40E-09	2.56E-09	2.43E-09	0.00E+00	4.99E-09
4188	481426.92	3768761.11	2.453E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.85E-09
4189	481436.43	3768761.23	2.388E-08	1.08E-08	0.00E+00	3.47E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.30E-09	0.00E+00	4.73E-09
4190	481445.95	3768761.35	2.329E-08	1.05E-08	0.00E+00	3.38E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.23E-09	2.60E-09	0.00E+00	6.83E-09	2.36E-09	2.25E-09	0.00E+00	4.61E-09
4191	481455.47	3768761.47	2.275E-08	1.03E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.68E-09	2.31E-09	2.19E-09	0.00E+00	4.50E-09
4192	481464.99	3768761.59	2.226E-08	1.00E-08	0.00E+00	3.23E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.49E-09	0.00E+00	6.53E-09	2.26E-09	2.15E-09	0.00E+00	4.41E-09
4193	481474.5	3768761.71	2.18E-08	9.83E-09	0.00E+00	3.16E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
4194	481484.02	3768761.83	2.137E-08	9.64E-09	0.00E+00	3.10E-08	2.11E-08	1.40E-08	0.00E+00	3.52E-08	3.88E-09	2.39E-09	0.00E+00	6.27E-09	2.17E-09	2.06E-09	0.00E+00	4.23E-09
4195	481493.54	3768761.95	2.096E-08	9.45E-09	0.00E+00	3.04E-08	2.07E-08	1.38E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.13E-09	2.02E-09	0.00E+00	4.15E-09
4196	481503.06	3768762.07	2.058E-08	9.28E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.98E-09	0.00E+00	4.07E-09
4197	481512.57	3768762.19	2.022E-08	9.12E-09	0.00E+00	2.93E-08	2.00E-08	1.33E-08	0.00E+00	3.33E-08	3.67E-09	2.26E-09	0.00E+00	5.93E-09	2.05E-09	1.95E-09	0.00E+00	4.00E-09
4198	481350.65	3768769.98	2.983E-08	1.35E-08	0.00E+00	4.33E-08	2.95E-08	1.96E-08	0.00E+00	4.91E-08	5.42E-09	3.33E-09	0.00E+00	8.75E-09	3.03E-09	2.88E-09	0.00E+00	5.90E-09
4199	481360.17	3768770.1	2.871E-08	1.29E-08	0.00E+00	4.17E-08	2.84E-08	1.88E-08	0.00E+00	4.73E-08	5.22E-09	3.21E-09	0.00E+00	8.43E-09	2.91E-09	2.77E-09	0.00E+00	5.68E-09
4200	481369.69	3768770.22	2.769E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.03E-09	3.09E-09	0.00E+00	8.13E-09	2.81E-09	2.67E-09	0.00E+00	5.48E-09
4201	481379.2	3768770.34	2.674E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.75E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.29E-09
4202	481388.72	3768770.46	2.587E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.50E-09	0.00E+00	5.12E-09
4203	481398.24	3768770.58	2.508E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
4204	481407.76	3768770.7	2.435E-08	1.10E-08	0.00E+00	3.53E-08	2.41E-08	1.60E-08	0.00E+00	4.01E-08	4.42E-09	2.72E-09	0.00E+00	7.14E-09	2.47E-09	2.35E-09	0.00E+00	4.82E-09
4205	481417.27	3768770.82	2.368E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.28E-09	0.00E+00	4.69E-09
4206	481426.79	3768770.94	2.305E-08	1.04E-08	0.00E+00	3.35E-08	2.28E-08	1.51E-08	0.00E+00	3.79E-08	4.19E-09	2.58E-09	0.00E+00	6.77E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
4207	481436.31	3768771.06	2.247E-08	1.01E-08	0.00E+00	3.26E-08	2.22E-08	1.47E-08	0.00E+00	3.70E-08	4.08E-09	2.51E-09	0.00E+00	6.59E-09	2.28E-09	2.17E-09	0.00E+00	4.45E-09
4208	481445.83	3768771.18	2.194E-08	9.89E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.61E-08	3.99E-09	2.45E-09	0.00E+00	6.44E-09	2.23E-09	2.12E-09	0.00E+00	4.34E-09
4209	481455.34	3768771.3	2.145E-08	9.67E-09	0.00E+00	3.11E-08	2.12E-08	1.41E-08	0.00E+00	3.53E-08	3.90E-09	2.40E-09	0.00E+00	6.29E-09	2.18E-09	2.07E-09	0.00E+00	4.24E-09
4210	481464.86	3768771.43	2.1E-08	9.47E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.16E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
4211	481474.38	3768771.55	2.058E-08	9.28E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.99E-09	0.00E+00	4.07E-09
4212	481483.9	3768771.67	2.019E-08	9.10E-09	0.00E+00	2.93E-08	2.00E-08	1.32E-08	0.00E+00	3.32E-08	3.67E-09	2.26E-09	0.00E+00	5.92E-09	2.05E-09	1.95E-09	0.00E+00	4.00E-09
4213	481493.41	3768771.79	1.981E-08	8.93E-09	0.00E+00	2.87E-08	1.96E-08	1.30E-08	0.00E+00	3.26E-08	3.60E-09	2.21E-09	0.00E+00	5.81E-09	2.01E-09	1.91E-09	0.00E+00	3.92E-09
4214	481502.93	3768771.91	1.945E-08	8.77E-09	0.00E+00	2.82E-08	1.92E-08	1.28E-08	0.00E+00	3.20E-08	3.53E-09	2.17E-09	0.00E+00	5.71E-09	1.97E-09	1.88E-09	0.00E+00	3.85E-09
4215	481512.45	3768772.03	1.912E-08	8.62E-09	0.00E+00	2.77E-08	1.89E-08	1.25E-08	0.00E+00	3.15E-08	3.47E-09	2.14E-09	0.00E+00	5.61E-09	1.94E-09	1.84E-09	0.00E+00	3.78E-09
4216	481350.53	3768779.82	2.773E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.04E-09	3.10E-09	0.00E+00	8.14E-09	2.81E-09	2.67E-09	0.00E+00	5.49E-09
4217	481360.05	3768779.94	2.674E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.75E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.29E-09
4218	481369.56	3768780.06	2.584E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.25E-08	4.69E-09	2.89E-09	0.00E+00	7.58E-09	2.62E-09	2.49E-09	0.00E+00	5.11E-09
4219	481379.08	3768780.18	2.5E-08	1.13E-08	0.00E+00	3.63E-08	2.47E-08	1.64E-08	0.00E+00	4.11E-08	4.54E-09	2.79E-09	0.00E+00	7.34E-09	2.54E-09	2.41E-09	0.00E+00	4.95E-09
4220	481388.6	3768780.3	2.423E-08	1.09E-08	0.00E+00	3.52E-08	2.40E-08	1.59E-08	0.00E+00	3.99E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.80E-09
4221	481398.12	3768780.42	2.353E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.39E-09	2.27E-09	0.00E+00	4.66E-09
4222	481407.63	3768780.54	2.288E-08	1.03E-08	0.00E+00	3.32E-08	2.26E-08	1.50E-08	0.00E+00	3.76E-08	4.16E-09	2.56E-09	0.00E+00	6.71E-09	2.32E-09	2.21E-09	0.00E+00	4.53E-09
4223	481417.15	3768780.66	2.228E-08	1.00E-08	0.00E+00	3.23E-08	2.20E-08	1.46E-08	0.00E+00	3.67E-08	4.05E-09	2.49E-09	0.00E+00	6.54E-09	2.26E-09	2.15E-09	0.00E+00	4.41E-09
4224	481426.67	3768780.78	2.172E-08	9.79E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.57E-08	3.95E-09	2.43E-09	0.00E+00	6.37E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
4225	481436.18	3768780.9	2.119E-08	9.56E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.49E-08	3.85E-09	2.37E-09	0.00E+00	6.22E-09	2.15E-09	2.04E-09	0.00E+00	4.19E-09
4226	481445.7	3768781.02	2.071E-08	9.34E-09	0.00E+00	3.00E-08	2.05E-08	1.36E-08	0.00E+00	3.41E-08	3.76E-09	2.31E-09	0.00E+00	6.08E-09	2.10E-09	2.00E-09	0.00E+00	4.10E-09
4227	481455.22	3768781.14	2.026E-08	9.14E-09	0.00E+00	2.94E-08	2.01E-08	1.33E-08	0.00E+00	3.33E-08	3.68E-09	2.26E-09	0.00E+00	5.95E-09	2.06E-09	1.95E-09	0.00E+00	4.01E-09
4228	481464.74	3768781.26	1.985E-08	8.95E-09	0.00E+00	2.88E-08	1.96E-08	1.30E-08	0.00E+00	3.27E-08	3.61E-09	2.22E-09	0.00E+00	5.83E-09	2.01E-09	1.92E-09	0.00E+00	3.93E-09
4229	481474.25	3768781.38	1.947E-08	8.78E-09	0.00E+00	2.83E-08	1.93E-08	1.28E-08	0.00E+00	3.20E-08	3.54E-09	2.18E-09	0.00E+00	5.71E-09	1.98E-09	1.88E-09	0.00E+00	3.85E-09
4230	481483.77	3768781.5	1.911E-08	8.62E-09	0.00E+00	2.77E-08	1.89E-08	1.25E-08	0.00E+00	3.14E-08	3.47E-09	2.14E-09	0.00E+00	5.61E-09	1.94E-09	1.84E-09	0.00E+00	3.78E-09
4231	481493.29	3768781.62	1.876E-08	8.46E-09	0.00E+00	2.72E-08	1.86E-08	1.23E-08	0.00E+00	3.09E-08	3.41E-09	2.10E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
4232	481502.81	3768781.75	1.843E-08	8.31E-09	0.00E+00	2.67E-08	1.82E-08	1.21E-08	0.00E+00	3.03E-08	3.35E-09	2.06E-09	0.00E+00	5.41E-09	1.87E-09	1.78E-09	0.00E+00	3.65E-09
4233	481512.32	3768781.87	1.812E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.02E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
4234	481350.4	3768789.65	2.587E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.50E-09	0.00E+00	5.12E-09
4235	481359.92	3768789.78	2.499E-08	1.13E-08	0.00E+00	3.63E-08	2.47E-08	1.64E-08	0.00E+00	4.11E-08	4.54E-09	2.79E-09	0.00E+00	7.33E-09	2.54E-09	2.41E-09	0.00E+00	4.95E-09
4236	481369.44	3768789.9	2.419E-08	1.09E-08	0.00E+00	3.51E-08	2.39E-08	1.59E-08	0.00E+00	3.98E-08	4.40E-09	2.70E-09	0.00E+00	7.10E-09	2.45E-09	2.33E-09	0.00E+00	4.79E-09
4237	481378.96	3768790.02	2.345E-08	1.06E-08	0.00E+00	3.40E-08	2.32E-08	1.54E-08	0.00E+00	3.86E-08	4.26E-09	2.62E-09	0.00E+00	6.88E-09	2.38E-09	2.26E-09	0.00E+00	4.64E-09
4238	481388.47	3768790.14	2.276E-08	1.03E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.75E-08	4.14E-09	2.54E-09	0.00E+00	6.68E-09	2.31E-09	2.20E-09	0.00E+00	4.51E-09
4239	481397.99	3768790.26	2.213E-08	9.98E-09	0.00E+00	3.21E-08	2.19E-08	1.45E-08	0.00E+00	3.64E-08	4.02E-09	2.47E-09	0.00E+00	6.50E-09	2.25E-09	2.14E-09	0.00E+00	4.38E-09
4240	481407.51	3768790.38	2.155E-08	9.72E-09	0.00E+00	3.13E-08	2.13E-08	1.41E-08	0.00E+00	3.55E-08	3.92E-09	2.41E-09	0.00E+00	6.32E-09	2.19E-09	2.08E-09	0.00E+00	4.27E-09
4241	481417.03	3768790.5	2.101E-08	9.48E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.17E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
4242	481426.54	3768790.62	2.051E-08	9.25E-09	0.00E+00	2.98E-08	2.03E-08	1.35E-08	0.00E+00	3.37E-08	3.73E-09	2.29E-09	0.00E+00	6.02E-09	2.08E-09	1.98E-09	0.00E+00	4.06E-09
4243	481436.06	3768790.74	2.003E-08	9.03E-09	0.00E+00	2.91E-08	1.98E-08	1.31E-08	0.00E+00	3.30E-08	3.64E-09	2.24E-09	0.00E+00	5.88E-09	2.03E-09	1.93E-09	0.00E+00	3.96E-09
4244	481445.58	3768790.86	1.959E-08	8.83E-09	0.00E+00	2.84E-08	1.94E-08	1.29E-08	0.00E+00	3.22E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
4245	481455.09	3768790.98	1.918E-08	8.65E-09	0.00E+00	2.78E-08	1.90E-08	1.26E-08	0.00E+00	3.16E-08	3.49E-09	2.14E-09	0.00E+00	5.63E-09	1.95E-09	1.85E-09	0.00E+00	3.80E-09
4246	481464.61	3768791.1	1.881E-08	8.48E-09	0.00E+00	2.73E-08	1.86E-08	1.23E-08	0.00E+00	3.10E-08	3.42E-09	2.10E-09	0.00E+00	5.52E-09	1.91E-09	1.81E-09	0.00E+00	3.72E-09
4247	481474.13	3768791.22	1.846E-08	8.32E-09	0.00E+00	2.68E-08	1.83E-08	1.21E-08	0.00E+00	3.04E-08	3.35E-09	2.06E-09	0.00E+00	5.42E-09	1.87E-09	1.78E-09	0.00E+00	3.65E-09
4248	481483.65	3768791.34	1.812E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
4249	481493.16	3768791.46	1.78E-08	8.03E-09	0.00E+00	2.58E-08	1.76E-08	1.17E-08	0.00E+00	2.93E-08	3.23E-09	1.99E-09	0.00E+00	5.22E-09	1.81E-09	1.72E-09	0.00E+00	3.52E-09
4250	481502.68	3768791.58	1.749E-08	7.89E-09	0.00E+00	2.54E-08	1.73E-08	1.15E-08	0.00E+00	2.88E-08	3.18E-09	1.95E-09	0.00E+00	5.13E-09	1.77E-09	1.69E-09	0.00E+00	3.46E-09
4251	481512.2	3768791.7	1.72E-08	7.76E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.83E-08	3.13E-09	1.92E-09	0.00E+00	5.05E-09	1.74E-09	1.66E-09	0.00E+00	3.40E-09
4252	481350.28	3768799.49	2.42E-08	1.09E-08	0.00E+00	3.51E-08	2.39E-08	1.59E-08	0.00E+00	3.98E-08	4.40E-09	2.70E-09	0.00E+00	7.10E-09	2.45E-09	2.33E-09	0.00E+00	4.79E-09
4253	481359.8	3768799.61	2.343E-08	1.06E-08	0.00E+00	3.40E-08	2.32E-08	1.54E-08	0.00E+00	3.86E-08	4.26E-09	2.62E-09	0.00E+00	6.87E-09	2.38E-09	2.26E-09	0.00E+00	4.64E-09
4254	481369.31	3768799.73	2.271E-08	1.02E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.67E-09	2.30E-09	2.19E-09	0.00E+00	4.50E-09
4255	481378.83	3768799.85	2.205E-08	9.95E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.01E-09	2.46E-09	0.00E+00	6.47E-09	2.24E-09	2.13E-09	0.00E+00	4.36E-09
4256	481388.35	3768799.97	2.144E-08	9.67E-09	0.00E+00	3.11E-08	2.12E-08	1.41E-08	0.00E+00	3.53E-08	3.90E-09	2.40E-09	0.00E+00	6.29E-09	2.17E-09	2.07E-09	0.00E+00	4.24E-09
4257	481397.87	3768800.1	2.087E-08	9.41E-09	0.00E+00	3.03E-08	2.07E-08	1.37E-08	0.00E+00	3.44E-08	3.79E-09	2.33E-09	0.00E+00	6.13E-09	2.12E-09	2.01E-09	0.00E+00	4.13E-09
4258	481407.38	3768800.22	2.035E-08	9.18E-09	0.00E+00	2.95E-08	2.01E-08	1.34E-08	0.00E+00	3.35E-08	3.70E-09	2.27E-09	0.00E+00	5.97E-09	2.06E-09	1.96E-09	0.00E+00	4.03E-09
4259	481416.9	3768800.34	1.987E-08	8.96E-09	0.00E+00	2.88E-08	1.97E-08	1.30E-08	0.00E+00	3.27E-08	3.61E-09	2.22E-09	0.00E+00	5.83E-09	2.02E-09	1.92E-09	0.00E+00	3.93E-09
4260	481426.42	3768800.46	1.94E-08	8.75E-09	0.00E+00	2.82E-08	1.92E-08	1.27E-08	0.00E+00	3.19E-08	3.53E-09	2.17E-09	0.00E+00	5.69E-09	1.97E-09	1.87E-09	0.00E+00	3.84E-09
4261	481435.94	3768800.58	1.897E-08	8.56E-09	0.00E+00	2.75E-08	1.88E-08	1.24E-08	0.00E+00	3.12E-08	3.45E-09	2.12E-09	0.00E+00	5.57E-09	1.92E-09	1.83E-09	0.00E+00	3.75E-09
4262	481445.45	3768800.7	1.857E-08	8.37E-09	0.00E+00	2.69E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.37E-09	2.07E-09	0.00E+00	5.45E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
4263	481454.97	3768800.82	1.819E-08	8.20E-09	0.00E+00	2.64E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.31E-09	2.03E-09	0.00E+00	5.34E-09	1.85E-09	1.76E-09	0.00E+00	3.60E-09
4264	481464.49	3768800.94	1.785E-08	8.05E-09	0.00E+00	2.59E-08	1.77E-08	1.17E-08	0.00E+00	2.94E-08	3.24E-09	1.99E-09	0.00E+00	5.24E-09	1.81E-09	1.72E-09	0.00E+00	3.53E-09
4265	481474	3768801.06	1.752E-08	7.90E-09	0.00E+00	2.54E-08	1.73E-08	1.15E-08	0.00E+00	2.88E-08	3.18E-09	1.96E-09	0.00E+00	5.14E-09	1.78E-09	1.69E-09	0.00E+00	3.47E-09
4266	481483.52	3768801.18	1.721E-08	7.76E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.83E-08	3.13E-09	1.92E-09	0.00E+00	5.05E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
4267	481493.04	3768801.3	1.691E-08	7.63E-09	0.00E+00	2.45E-08	1.67E-08	1.11E-08	0.00E+00	2.78E-08	3.07E-09	1.89E-09	0.00E+00	4.96E-09	1.72E-09	1.63E-09	0.00E+00	3.35E-09
4268	481502.56	3768801.42	1.663E-08	7.50E-09	0.00E+00	2.41E-08	1.65E-08	1.09E-08	0.00E+00	2.74E-08	3.02E-09	1.86E-09	0.00E+00	4.88E-09	1.69E-09	1.60E-09	0.00E+00	3.29E-09
4269	481512.07	3768801.54	1.636E-08	7.38E-09	0.00E+00	2.37E-08	1.62E-08	1.07E-08	0.00E+00	2.69E-08	2.97E-09	1.83E-09	0.00E+00	4.80E-09	1.66E-09	1.58E-09	0.00E+00	3.24E-09
4270	481350.15	3768809.33	2.271E-08	1.02E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.66E-09	2.30E-09	2.19E-09	0.00E+00	4.49E-09
4271	481359.67	3768809.45	2.202E-08	9.93E-09	0.00E+00	3.20E-08	2.18E-08	1.44E-08	0.00E+00	3.62E-08	4.00E-09	2.46E-09	0.00E+00	6.46E-09	2.23E-09	2.12E-09	0.00E+00	4.36E-09
4272	481369.19	3768809.57	2.138E-08	9.64E-09	0.00E+00	3.10E-08	2.12E-08	1.40E-08	0.00E+00	3.52E-08	3.88E-09	2.39E-09	0.00E+00	6.27E-09	2.17E-09	2.06E-09	0.00E+00	4.23E-09
4273	481378.71	3768809.69	2.079E-08	9.38E-09	0.00E+00	3.02E-08	2.06E-08	1.36E-08	0.00E+00	3.42E-08	3.78E-09	2.32E-09	0.00E+00	6.10E-09	2.11E-09	2.01E-09	0.00E+00	4.11E-09
4274	481388.22	3768809.81	2.024E-08	9.13E-09	0.00E+00	2.94E-08	2.00E-08	1.33E-08	0.00E+00	3.33E-08	3.68E-09	2.26E-09	0.00E+00	5.94E-09	2.05E-09	1.95E-09	0.00E+00	4.01E-09
4275	481397.74	3768809.93	1.973E-08	8.90E-09	0.00E+00	2.86E-08	1.95E-08	1.29E-08	0.00E+00	3.25E-08	3.59E-09	2.21E-09	0.00E+00	5.79E-09	2.00E-09	1.90E-09	0.00E+00	3.90E-09
4276	481407.26	3768810.05	1.926E-08	8.68E-09	0.00E+00	2.79E-08	1.91E-08	1.26E-08	0.00E+00	3.17E-08	3.50E-09	2.15E-09	0.00E+00	5.65E-09	1.95E-09	1.86E-09	0.00E+00	3.81E-09
4277	481416.78	3768810.17	1.882E-08	8.49E-09	0.00E+00	2.73E-08	1.86E-08	1.23E-08	0.00E+00	3.10E-08	3.42E-09	2.10E-09	0.00E+00	5.52E-09	1.91E-09	1.82E-09	0.00E+00	3.72E-09
4278	481426.29	3768810.29	1.84E-08	8.30E-09	0.00E+00	2.67E-08	1.82E-08	1.21E-08	0.00E+00	3.03E-08	3.34E-09	2.06E-09	0.00E+00	5.40E-09	1.87E-09	1.77E-09	0.00E+00	3.64E-09
4279	481435.81	3768810.42	1.8E-08	8.12E-09	0.00E+00	2.61E-08	1.78E-08	1.18E-08	0.00E+00	2.96E-08	3.27E-09	2.01E-09	0.00E+00	5.28E-09	1.83E-09	1.74E-09	0.00E+00	3.56E-09

4302	481483.27	3768820.86	1.561E-08	7.04E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.84E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.51E-09	0.00E+00	3.09E-09
4303	481492.79	3768820.98	1.534E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.71E-09	0.00E+00	4.50E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
4304	481502.31	3768821.1	1.51E-08	6.81E-09	0.00E+00	2.19E-08	1.49E-08	9.91E-09	0.00E+00	2.48E-08	2.74E-09	1.69E-09	0.00E+00	4.43E-09	1.53E-09	1.46E-09	0.00E+00	2.99E-09
4305	481511.83	3768821.22	1.486E-08	6.70E-09	0.00E+00	2.16E-08	1.47E-08	9.75E-09	0.00E+00	2.45E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
4306	481349.91	3768829.01	2.015E-08	9.09E-09	0.00E+00	2.92E-08	1.99E-08	1.32E-08	0.00E+00	3.32E-08	3.66E-09	2.25E-09	0.00E+00	5.91E-09	2.04E-09	1.94E-09	0.00E+00	3.99E-09
4307	481359.42	3768829.13	1.96E-08	8.84E-09	0.00E+00	2.84E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
4308	481368.94	3768829.25	1.908E-08	8.61E-09	0.00E+00	2.77E-08	1.89E-08	1.25E-08	0.00E+00	3.14E-08	3.47E-09	2.13E-09	0.00E+00	5.60E-09	1.94E-09	1.84E-09	0.00E+00	3.78E-09
4309	481378.46	3768829.37	1.86E-08	8.39E-09	0.00E+00	2.70E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.38E-09	2.08E-09	0.00E+00	5.46E-09	1.89E-09	1.79E-09	0.00E+00	3.68E-09
4310	481387.97	3768829.49	1.815E-08	8.19E-09	0.00E+00	2.63E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.33E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
4311	481397.49	3768829.61	1.773E-08	8.00E-09	0.00E+00	2.57E-08	1.75E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.20E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
4312	481407.01	3768829.73	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
4313	481416.53	3768829.85	1.697E-08	7.65E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.90E-09	0.00E+00	4.98E-09	1.72E-09	1.64E-09	0.00E+00	3.36E-09
4314	481426.04	3768829.97	1.662E-08	7.50E-09	0.00E+00	2.41E-08	1.64E-08	1.09E-08	0.00E+00	2.74E-08	3.02E-09	1.86E-09	0.00E+00	4.88E-09	1.69E-09	1.60E-09	0.00E+00	3.29E-09
4315	481435.56	3768830.09	1.629E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
4316	481445.08	3768830.21	1.597E-08	7.20E-09	0.00E+00	2.32E-08	1.58E-08	1.05E-08	0.00E+00	2.63E-08	2.90E-09	1.78E-09	0.00E+00	4.69E-09	1.62E-09	1.54E-09	0.00E+00	3.16E-09
4317	481454.6	3768830.33	1.568E-08	7.07E-09	0.00E+00	2.27E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.60E-09	1.59E-09	1.51E-09	0.00E+00	3.10E-09
4318	481464.11	3768830.45	1.54E-08	6.95E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.80E-09	1.72E-09	0.00E+00	4.52E-09	1.56E-09	1.49E-09	0.00E+00	3.05E-09
4319	481473.63	3768830.57	1.514E-08	6.83E-09	0.00E+00	2.20E-08	1.50E-08	9.94E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.54E-09	1.46E-09	0.00E+00	3.00E-09
4320	481483.15	3768830.69	1.489E-08	6.72E-09	0.00E+00	2.16E-08	1.47E-08	9.77E-09	0.00E+00	2.45E-08	2.71E-09	1.66E-09	0.00E+00	4.37E-09	1.51E-09	1.44E-09	0.00E+00	2.95E-09
4321	481492.67	3768830.81	1.465E-08	6.61E-09	0.00E+00	2.13E-08	1.45E-08	9.61E-09	0.00E+00	2.41E-08	2.66E-09	1.64E-09	0.00E+00	4.30E-09	1.49E-09	1.41E-09	0.00E+00	2.90E-09
4322	481502.18	3768830.93	1.442E-08	6.50E-09	0.00E+00	2.09E-08	1.43E-08	9.46E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.85E-09
4323	481511.7	3768831.06	1.42E-08	6.40E-09	0.00E+00	2.06E-08	1.40E-08	9.32E-09	0.00E+00	2.34E-08	2.58E-09	1.59E-09	0.00E+00	4.17E-09	1.44E-09	1.37E-09	0.00E+00	2.81E-09
4324	481349.53	3768859	1.709E-08	7.71E-09	0.00E+00	2.48E-08	1.69E-08	1.12E-08	0.00E+00	2.81E-08	3.11E-09	1.91E-09	0.00E+00	5.02E-09	1.73E-09	1.65E-09	0.00E+00	3.38E-09
4325	481359.04	3768859.12	1.668E-08	7.52E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.75E-08	3.03E-09	1.86E-09	0.00E+00	4.90E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
4326	481368.56	3768859.25	1.63E-08	7.35E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.23E-09
4327	481378.08	3768859.37	1.593E-08	7.19E-09	0.00E+00	2.31E-08	1.58E-08	1.05E-08	0.00E+00	2.62E-08	2.90E-09	1.78E-09	0.00E+00	4.68E-09	1.62E-09	1.54E-09	0.00E+00	3.15E-09
4328	481387.59	3768859.49	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
4329	481397.11	3768859.61	1.527E-08	6.89E-09	0.00E+00	2.22E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.78E-09	1.71E-09	0.00E+00	4.48E-09	1.55E-09	1.47E-09	0.00E+00	3.02E-09
4330	481406.63	3768859.73	1.497E-08	6.75E-09	0.00E+00	2.17E-08	1.48E-08	9.82E-09	0.00E+00	2.46E-08	2.72E-09	1.67E-09	0.00E+00	4.39E-09	1.52E-09	1.44E-09	0.00E+00	2.96E-09
4331	481416.15	3768859.85	1.468E-08	6.62E-09	0.00E+00	2.13E-08	1.45E-08	9.64E-09	0.00E+00	2.42E-08	2.67E-09	1.64E-09	0.00E+00	4.31E-09	1.49E-09	1.42E-09	0.00E+00	2.91E-09
4332	481425.66	3768859.97	1.441E-08	6.50E-09	0.00E+00	2.09E-08	1.43E-08	9.45E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.85E-09
4333	481435.18	3768860.09	1.414E-08	6.38E-09	0.00E+00	2.05E-08	1.40E-08	9.28E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
4334	481444.7	3768860.21	1.389E-08	6.26E-09	0.00E+00	2.01E-08	1.37E-08	9.11E-09	0.00E+00	2.29E-08	2.52E-09	1.55E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
4335	481454.22	3768860.33	1.365E-08	6.16E-09	0.00E+00	1.98E-08	1.35E-08	8.96E-09	0.00E+00	2.25E-08	2.48E-09	1.53E-09	0.00E+00	4.01E-09	1.38E-09	1.32E-09	0.00E+00	2.70E-09
4336	481463.73	3768860.45	1.343E-08	6.06E-09	0.00E+00	1.95E-08	1.33E-08	8.81E-09	0.00E+00	2.21E-08	2.44E-09	1.50E-09	0.00E+00	3.94E-09	1.36E-09	1.30E-09	0.00E+00	2.66E-09
4337	481473.25	3768860.57	1.322E-08	5.96E-09	0.00E+00	1.92E-08	1.31E-08	8.67E-09	0.00E+00	2.18E-08	2.40E-09	1.48E-09	0.00E+00	3.88E-09	1.34E-09	1.28E-09	0.00E+00	2.62E-09
4338	481482.77	3768860.69	1.301E-08	5.87E-09	0.00E+00	1.89E-08	1.29E-08	8.54E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.82E-09	1.32E-09	1.26E-09	0.00E+00	2.58E-09
4339	481492.29	3768860.81	1.282E-08	5.78E-09	0.00E+00	1.86E-08	1.27E-08	8.41E-09	0.00E+00	2.11E-08	2.33E-09	1.43E-09	0.00E+00	3.76E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
4340	481501.8	3768860.93	1.262E-08	5.69E-09	0.00E+00	1.83E-08	1.25E-08	8.28E-09	0.00E+00	2.08E-08	2.29E-09	1.41E-09	0.00E+00	3.70E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
4341	481511.32	3768861.05	1.244E-08	5.61E-09	0.00E+00	1.81E-08	1.23E-08	8.17E-09	0.00E+00	2.05E-08	2.26E-09	1.39E-09	0.00E+00	3.65E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
4342	481349.15	3768889	1.474E-08	6.65E-09	0.00E+00	2.14E-08	1.46E-08	9.67E-09	0.00E+00	2.43E-08	2.68E-09	1.65E-09	0.00E+00	4.33E-09	1.50E-09	1.42E-09	0.00E+00	2.92E-09
4343	481358.66	3768889.12	1.443E-08	6.51E-09	0.00E+00	2.09E-08	1.43E-08	9.47E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.86E-09
4344	481368.18	3768889.24	1.413E-08	6.37E-09	0.00E+00	2.05E-08	1.40E-08	9.27E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
4345	481377.7	3768889.36	1.385E-08	6.25E-09	0.00E+00	2.01E-08	1.37E-08	9.09E-09	0.00E+00	2.28E-08	2.52E-09	1.55E-09	0.00E+00	4.06E-09	1.40E-09	1.34E-09	0.00E+00	2.74E-09
4346	481387.21	3768889.48	1.358E-08	6.13E-09	0.00E+00	1.97E-08	1.34E-08	8.91E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
4347	481396.73	3768889.6	1.333E-08	6.01E-09	0.00E+00	1.93E-08	1.32E-08	8.75E-09	0.00E+00	2.19E-08	2.42E-09	1.49E-09	0.00E+00	3.91E-09	1.35E-09	1.29E-09	0.00E+00	2.64E-09
4348	481406.25	3768889.72	1.309E-08	5.90E-09	0.00E+00	1.90E-08	1.30E-08	8.59E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
4349	481415.77	3768889.85	1.286E-08	5.80E-09	0.00E+00	1.87E-08	1.27E-08	8.44E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.77E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
4350	481425.28	3768889.97	1.264E-08	5.70E-09	0.00E+00	1.83E-08	1.25E-08	8.29E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
4351	481434.8	3768890.09	1.242E-08	5.60E-09	0.00E+00	1.80E-08	1.23E-08	8.15E-09	0.00E+00	2.04E-08	2.26E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
4352	481444.32	3768890.21	1.221E-08	5.51E-09	0.00E+00	1.77E-08	1.21E-08	8.01E-09	0.00E+00	2.01E-08	2.22E-09	1.37E-09	0.00E+00	3.58E-09	1.24E-09	1.18E-09	0.00E+00	2.42E-09
4353	481453.84	3768890.33	1.202E-08	5.42E-09	0.00E+00	1.74E-08	1.19E-08	7.89E-09	0.00E+00	1.98E-08	2.18E-09	1.34E-09	0.00E+00	3.53E-09	1.22E-09	1.16E-09	0.00E+00	2.38E-09
4354	481463.35	3768890.45	1.184E-08	5.34E-09	0.00E+00	1.72E-08	1.17E-08	7.77E-09	0.00E+00	1.95E-08	2.15E-09	1.32E-09	0.00E+00	3.47E-09	1.20E-09	1.14E-09	0.00E+00	2.34E-09
4355	481472.87	3768890.57	1.166E-08	5.26E-09	0.00E+00	1.69E-08	1.15E-08	7.65E-09	0.00E+00	1.92E-08	2.12E-09	1.30E-09	0.00E+00	3.42E-09	1.18E-09	1.13E-09	0.00E+00	2.31E-09
4356	481482.39	3768890.69	1.149E-08	5.18E-09	0.00E+00	1.67E-08	1.14E-08	7.54E-09	0.00E+00	1.89E-08	2.09E-09	1.28E-09	0.00E+00	3.37E-09	1.17E-09	1.11E-09	0.00E+00	2.27E-09
4357	481491.91	3768890.81	1.133E-08	5.11E-09	0.00E+00	1.64E-08	1.12E-08	7.43E-09	0.00E+00	1.86E-08	2.06E-09	1.27E-09	0.00E+00	3.32E-09	1.15E-09	1.09E-09	0.00E+00	2.24E-09
4358	481501.42	3768890.93	1.117E-08	5.04E-09	0.00E+00	1.62E-08	1.11E-08	7.33E-09	0.00E+00	1.84E-08	2.03E-09	1.25E-09	0.00E+00	3.28E-09	1.13E-09	1.08E-09	0.00E+00	2.21E-09
4359	481510.94	3768891.05	1.102E-08	4.97E-09	0.00E+00	1.60E-08	1.09E-08	7.23E-09	0.00E+00	1.81E-08	2.00E-09	1.23E-09	0.00E+00	3.23E-09	1.12E-09	1.06E-09	0.00E+00	2.18E-09
4360	481348.77	3768919	1.289E-08	5.81E-09	0.00E+00	1.87E-08	1.28E-08	8.46E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.78E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
4361	481358.28	3768919.12	1.264E-08	5.70E-09	0.00E+00	1.83E-08	1.25E-08	8.30E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
4362	481367.8	3768919.24	1.241E-08	5.59E-09	0.00E+00	1.80E-08	1.23E-08	8.14E-09	0.00E+00	2.04E-08	2.25E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
4363	481377.32	3768919.36	1.218E-08	5.49E-09	0.00E+00	1.77E-08	1.21E-08	7.99E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.57E-09	1.24E-09	1.18E-09	0.00E+00	2.41E-09
4364	481386.84	3768919.48	1.197E-08	5.40E-09	0.00E+00	1.74E-08	1.18E-08	7.85E-09	0.00E+00	1.97E-08	2.17E-09	1.34E-09	0.00E+00	3.51E-09	1.21E-09	1.15E-09	0.00E+00	2.37E-09
4365	481396.35	3768919.6	1.176E-08	5.30E-09	0.00E+00	1.71E-08	1.16E-08	7.72E-09	0.00E+00	1.94E-08	2.14E-09	1.31E-09	0.00E+00	3.45E-09	1.19E-09	1.13E-09	0.00E+00	2.33E-09
4366	481405.87	3768919.72	1.157E-08	5.22E-09	0.00E+00	1.68E-08	1.14E-08	7.59E-09	0.00E+00	1.90E-08	2.10E-09	1.29E-09	0.00E+00	3.39E-09	1.17E-09	1.12E-09	0.00E+00	2.29E-09
4367	481415.39	3768919.84	1.138E-08	5.13E-09	0.00E+00	1.65E-08	1.13E-08	7.47E-09	0.00E+00	1.87E-08	2.07E-09	1.27E-09	0.00E+00	3.34E-09	1.15E-09	1.10E-09	0.00E+00	2.25E-09
4368	481424.9	3768919.96	1.12E-08	5.05E-09	0.00E+00	1.62E-08	1.11E-08	7.35E-09	0.00E+00	1.84E-08	2.03E-09	1.25E-09	0.00E+00	3.29E-09	1.14E-09	1.08E-09	0.00E+00	2.22E-09
4369	481434.42	3768920.08	1.102E-08	4.97E-09	0.00E+00	1.60E-08	1.09E-08	7.23E-09	0.00E+00	1.81E-08	2.00E-09	1.23E-09	0.00E+00	3.23E-09	1.12E-09	1.06E-09	0.00E+00	2.18E-09
4370	481443.94	3768920.2	1.085E-08	4.89E-09	0.00E+00	1.57E-08	1.07E-08	7.12E-09	0.00E+00	1.78E-08	1.97E-09	1.21E-09	0.00E+00	3.18E-09	1.10E-09	1.05E-09	0.00E+00	2.15E-09
4371	481453.46	3768920.33	1.068E-08	4.82E-09	0.00E+00	1.55E-08	1.06E-08	7.01E-09	0.00E+00	1.76E-08	1.94E-09	1.19E-09	0.00E+00	3.14E-09	1.08E-09	1.03E-09	0.00E+00	2.11E-09
4372	481462.97	3768920.45	1.053E-08	4.75E-09	0.00E+00	1.53E-08	1.04E-08	6.91E-09	0.00E+00	1.73E-08	1.91E-09	1.18E-09	0.00E+00	3.09E-09	1.07E-09	1.02E-09	0.00E+00	2.08E-09
4373	481472.49	3768920.57	1.038E-08	4.68E-09	0.00E+00	1.51E-08	1.03E-08	6.81E-09	0.00E+00	1.71E-08	1.89E-09	1.16E-09	0.00E+00	3.05E-09	1.05E-09	1.00E-09	0.00E+00	2.05E-09
4374	481348.39	3768949	1.139E-08	5.14E-09	0.00E+00	1.65E-08	1.13E-08	7.48E-09	0.00E+00	1.88E-08	2.07E-09	1.27E-09	0.00E+00	3.34E-09	1.16E-09	1.10E-09	0.00E+00	2.25E-09
4375	481357.9	3768949.12	1.12E-08	5.05E-09	0.00E+00	1.62E-08	1.11E-08	7.35E-09	0.00E+00	1.84E-08	2.03E-09	1.25E-09	0.00E+00	3.29E-09	1.14E-09	1.08E-09	0.00E+00	2.22E-09
4376	481367.42	3768949.24	1.1E-08	4.96E-09	0.00E+00	1.60E-08	1.09E-08	7.22E-09	0.00E+00	1.81E-08	2.00E-09	1.23E-09	0.00E+00	3.23E-09	1.12E-09	1.06E-09	0.00E+00	2.18E-09
4377	481376.94	3768949.36	1.082E-08	4.88E-09	0.00E+00	1.57E-08	1.07E-08	7.10E-09	0.00E+00	1.78E-08	1.97E-09	1.21E-09	0.00E+00	3.18E-09	1.10E-09	1.04E-09	0.00E+00	2.14E-09
4378	481386.46	3768949.48	1.064E-08	4.80E-09	0.00E+00	1.54E-08	1.05E-08	6.98E-09	0.00E+00	1.75E-08	1.93E-09	1.19E-09	0.00E+00	3.12E-09	1.08E-09	1.03E-09	0.00E+00	2.11E-09
4379	481490.77	3768980.8	8.207E-09	3.70E-09	0.00E+00	1.19E-08	8.12E-09	5.39E-09	0.00E+00	1.35E-08	1.49E-09	9.17E-10	0.00E+00	2.41E-09	8.32E-10	7.92E-10	0.00E+00	1.62E-09
4380	481500.28	3768980.92	8.111E-09	3.66E-09	0.00E+00	1.18E-08	8.03E-09	5.32E-09	0.00E+00	1.33E-08	1.47E-09	9.07E-10	0.00E+00	2.38E-09	8.23E-10	7.82E-10	0.00E+00	1.61E-09
4381	481509.8	3768981.04	8.019E-09	3.62E-09	0.00E+00	1.16E-08	7.94E-09	5.26E-09	0.00E+00	1.32E-08	1.46E-09	8.96E-10	0.00E+00	2.35E-09	8.13E-10	7.74E-10	0.00E+00	1.59E-09
4382	481519.32	3768981.16	7.927E-09	3.57E-09	0.00E+00	1.15E-08	7.84E-09	5.20E-09	0.00E+00	1.30E-08	1.44E-09	8.86E-10	0.00E+00	2.33E-09	8.04E-10	7.65E-10	0.00E+00	1.57E-09
4383	481404.73	3769009.72	8.372E-09	3.78E-09	0.00E+00	1.21E-08	8.28E-09	5.49E-09	0.00E+00	1.38E-08	1.52E-09	9.36E-10	0.00E+00	2.46E-09	8.49E-10	8.08E-10	0.00E+00	1.66E-09
4384	481414.25	3769009.84	8.259E-09	3.72E-09	0.00E+00	1.20E-08	8.17E-09	5.42E-09	0.00E+00	1.36E-08	1.50E-09	9.23E-10	0.00E+00	2.42E-09	8.38E-10	7.97E-10	0.00E+00	1.63E-09
4385	481423.76	3769009.96	8.15E-09	3.68E-09	0.00E+00	1.18E-08	8.06E-09	5.35E-09	0.00E+00	1.34E-08	1.48E-09	9.11E-10	0.00E+00	2.39E-09	8.27E-10	7.86E-10	0.00E+00	1.61E-09
4386	481433.28	3769010.08	8.043E-09	3.63E-09	0.00E+00	1.17E-08	7.96E-09	5.28E-09	0.00E+00	1.32E-08	1.46E-09	8.99E-10	0.00E+00	2.36E-09	8.16E-10	7.76E-10	0.00E+00	1.59E-09
4387	481442.8	3769010.2	7.941E-09	3.58E-09	0.00E+00	1.15E-08	7.86E-09	5.21E-09	0.00E+00	1.31E-08	1.44E-09	8.87E-10	0.00E+00	2.33E-09	8.05E-10	7.66E-10	0.00E+00	1.57E-09
4388	481452.32	3769010.32	7.841E-09	3.54E-09	0.00E+00	1.14E-08	7.76E-09	5.14E-09	0.00E+00	1.29E-08	1.42E-09	8.76E-10	0.00E+00	2.30E-09	7.95E-10	7.56E-10	0.00E+00	1.55E-09
4389	481461.83	3769010.44	7.742E-09	3.49E-09	0.00E+00	1.12E-08	7.66E-09	5.08E-09	0.00E+00	1.27E-08	1.41E-09	8.65E-10	0.00E+00	2.27E-09	7.85E-10	7.47E-10	0.00E+00	1.53E-09
4390	481471.35	3769010.56	7.647E-09	3.45E-09	0.00E+00	1.11E-08	7.57E-09	5.02E-09	0.00E+00	1.26E-08	1.39E-09	8.55E-10	0.00E+00	2.24E-09	7.76E-10	7.38E-10	0.00E+00	1.51E-09
4391	481480.87	3769010.68	7.556E-09	3.41E-09	0.00E+00	1.10E-08	7.48E-09	4.96E-09	0.00E+00	1.24E-08	1.37E-09	8.44E-10	0.00E+00	2.22E-09	7.66E-10	7.29E-10	0.00E+00	1.50E-09
4392	481490.39	3769010.8	7.469E-09	3.37E-09	0.00E+00	1.08E-08	7.39E-09	4.90E-09	0.00E+00	1.23E-08	1.36E-09	8.35E-10	0.00E+00	2.19E-09	7.58E-10	7.21E-10	0.00E+00	1.48E-09
4393	481499.9	3769010.92	7.385E-09	3.33E-09	0.00E+00	1.07E-08	7.31E-09	4.85E-09	0.00E+00	1.22E-08	1.34E-09	8.25E-10	0.00E+00	2.17E-09	7.49E-10	7.12E-10	0.00E+00	1.46E-09
4394	481509.42	3769011.04	7.304E-09	3.29E-09	0.00E+00	1.06E-08	7.23E-09	4.79E-09	0.00E+00	1.20E-08	1.33E-09	8.16E-10	0.00E+00	2.14E-09	7.41E-10	7.05E-10	0.00E+00	1.45E-09
4395	481518.94	3769011.16	7.224E-09	3.26E-09	0.00E+00	1.05E-08	7.15E-09	4.74E-09	0.00E+00	1.19E-08	1.31E-09	8.07E-10	0.00E+00	2.12E-09	7.33E-10	6.97E-10	0.00E+00	1.43E-09
4396	481347.25	3769038.99	8.272E-09	3.73E-09	0.00E+00	1.20E-08	8.19E-09	5.43E-09	0.00E+00	1.36E-08	1.50E-09	9.24E-10	0.00E+00	2.43E-09	8.39E-10	7.98E-10	0.00E+00	1.64E-09
4397	481356.76	3769039.11	8.153E-09	3.68E-09	0.00E+00	1.18E-08	8.07E-09	5.35E-09	0.00E+00	1.34E-08	1.48E-09	9.11E-10	0.00E+00	2.39E-09	8.27E-10	7.86E-10	0.00E+00	1.61E-09
4398	481

4420	481394.45	3769069.59	7.055E-09	3.18E-09	0.00E+00	1.02E-08	6.98E-09	4.63E-09	0.00E+00	1.16E-08	1.28E-09	7.89E-10	0.00E+00	2.07E-09	7.16E-10	6.81E-10	0.00E+00	1.40E-09
4421	481403.97	3769069.71	6.966E-09	3.14E-09	0.00E+00	1.01E-08	6.89E-09	4.57E-09	0.00E+00	1.15E-08	1.27E-09	7.79E-10	0.00E+00	2.04E-09	7.07E-10	6.72E-10	0.00E+00	1.38E-09
4422	481413.49	3769069.83	6.879E-09	3.10E-09	0.00E+00	9.98E-09	6.81E-09	4.51E-09	0.00E+00	1.13E-08	1.25E-09	7.69E-10	0.00E+00	2.02E-09	6.98E-10	6.64E-10	0.00E+00	1.36E-09
4423	481423.01	3769069.95	6.795E-09	3.06E-09	0.00E+00	9.86E-09	6.72E-09	4.46E-09	0.00E+00	1.12E-08	1.23E-09	7.59E-10	0.00E+00	1.99E-09	6.89E-10	6.56E-10	0.00E+00	1.34E-09
4424	481432.52	3769070.07	6.715E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.51E-10	0.00E+00	1.97E-09	6.81E-10	6.48E-10	0.00E+00	1.33E-09
4425	481442.04	3769070.19	6.637E-09	2.99E-09	0.00E+00	9.63E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.73E-10	6.40E-10	0.00E+00	1.31E-09
4426	481451.56	3769070.31	6.562E-09	2.96E-09	0.00E+00	9.52E-09	6.49E-09	4.31E-09	0.00E+00	1.08E-08	1.19E-09	7.33E-10	0.00E+00	1.93E-09	6.66E-10	6.33E-10	0.00E+00	1.30E-09
4427	481461.07	3769070.43	6.488E-09	2.93E-09	0.00E+00	9.41E-09	6.42E-09	4.26E-09	0.00E+00	1.07E-08	1.18E-09	7.25E-10	0.00E+00	1.90E-09	6.58E-10	6.26E-10	0.00E+00	1.28E-09
4428	481470.59	3769070.55	6.417E-09	2.89E-09	0.00E+00	9.31E-09	6.35E-09	4.21E-09	0.00E+00	1.06E-08	1.17E-09	7.17E-10	0.00E+00	1.88E-09	6.51E-10	6.19E-10	0.00E+00	1.27E-09
4429	481480.11	3769070.67	6.348E-09	2.86E-09	0.00E+00	9.21E-09	6.28E-09	4.17E-09	0.00E+00	1.04E-08	1.15E-09	7.09E-10	0.00E+00	1.86E-09	6.44E-10	6.12E-10	0.00E+00	1.26E-09
4430	481489.63	3769070.8	6.279E-09	2.83E-09	0.00E+00	9.11E-09	6.21E-09	4.12E-09	0.00E+00	1.03E-08	1.14E-09	7.02E-10	0.00E+00	1.84E-09	6.37E-10	6.06E-10	0.00E+00	1.24E-09
4431	481499.14	3769070.92	6.213E-09	2.80E-09	0.00E+00	9.01E-09	6.15E-09	4.08E-09	0.00E+00	1.02E-08	1.13E-09	6.94E-10	0.00E+00	1.82E-09	6.30E-10	5.99E-10	0.00E+00	1.23E-09
4432	481508.66	3769071.04	6.149E-09	2.77E-09	0.00E+00	8.92E-09	6.08E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.80E-09	6.24E-10	5.93E-10	0.00E+00	1.22E-09
4433	481518.18	3769071.16	6.088E-09	2.75E-09	0.00E+00	8.83E-09	6.02E-09	3.99E-09	0.00E+00	1.00E-08	1.11E-09	6.80E-10	0.00E+00	1.79E-09	6.18E-10	5.87E-10	0.00E+00	1.20E-09
4434	481346.49	3769098.98	6.894E-09	3.11E-09	0.00E+00	1.00E-08	6.82E-09	4.52E-09	0.00E+00	1.13E-08	1.25E-09	7.70E-10	0.00E+00	2.02E-09	6.99E-10	6.65E-10	0.00E+00	1.36E-09
4435	481356	3769099.11	6.807E-09	3.07E-09	0.00E+00	9.88E-09	6.74E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.61E-10	0.00E+00	2.00E-09	6.90E-10	6.57E-10	0.00E+00	1.35E-09
4436	481365.52	3769099.23	6.722E-09	3.03E-09	0.00E+00	9.75E-09	6.65E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.51E-10	0.00E+00	1.97E-09	6.82E-10	6.48E-10	0.00E+00	1.33E-09
4437	481375.04	3769099.35	6.64E-09	2.99E-09	0.00E+00	9.63E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.74E-10	6.41E-10	0.00E+00	1.31E-09
4438	481384.56	3769099.47	6.559E-09	2.96E-09	0.00E+00	9.52E-09	6.49E-09	4.30E-09	0.00E+00	1.08E-08	1.19E-09	7.33E-10	0.00E+00	1.92E-09	6.65E-10	6.33E-10	0.00E+00	1.30E-09
4439	481394.07	3769099.59	6.48E-09	2.92E-09	0.00E+00	9.40E-09	6.41E-09	4.25E-09	0.00E+00	1.07E-08	1.18E-09	7.24E-10	0.00E+00	1.90E-09	6.57E-10	6.25E-10	0.00E+00	1.28E-09
4440	481403.59	3769099.71	6.402E-09	2.89E-09	0.00E+00	9.29E-09	6.33E-09	4.20E-09	0.00E+00	1.05E-08	1.16E-09	7.15E-10	0.00E+00	1.88E-09	6.49E-10	6.18E-10	0.00E+00	1.27E-09
4441	481413.11	3769099.83	6.326E-09	2.85E-09	0.00E+00	9.18E-09	6.26E-09	4.15E-09	0.00E+00	1.04E-08	1.15E-09	7.07E-10	0.00E+00	1.86E-09	6.42E-10	6.10E-10	0.00E+00	1.25E-09
4442	481422.63	3769099.95	6.252E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.99E-10	0.00E+00	1.83E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
4443	481432.14	3769100.07	6.182E-09	2.79E-09	0.00E+00	8.97E-09	6.12E-09	4.06E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
4444	481441.66	3769100.19	6.113E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.83E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
4445	481451.18	3769100.31	6.046E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.95E-09	1.10E-09	6.76E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
4446	481460.69	3769100.43	5.98E-09	2.70E-09	0.00E+00	8.68E-09	5.92E-09	3.92E-09	0.00E+00	9.84E-09	1.09E-09	6.68E-10	0.00E+00	1.75E-09	6.07E-10	5.77E-10	0.00E+00	1.18E-09
4447	481470.21	3769100.55	5.915E-09	2.67E-09	0.00E+00	8.58E-09	5.85E-09	3.88E-09	0.00E+00	9.74E-09	1.07E-09	6.61E-10	0.00E+00	1.74E-09	6.00E-10	5.71E-10	0.00E+00	1.17E-09
4448	481479.73	3769100.67	5.853E-09	2.64E-09	0.00E+00	8.49E-09	5.79E-09	3.84E-09	0.00E+00	9.63E-09	1.06E-09	6.54E-10	0.00E+00	1.72E-09	5.94E-10	5.65E-10	0.00E+00	1.16E-09
4449	481489.25	3769100.79	5.793E-09	2.61E-09	0.00E+00	8.41E-09	5.73E-09	3.80E-09	0.00E+00	9.53E-09	1.05E-09	6.47E-10	0.00E+00	1.70E-09	5.88E-10	5.59E-10	0.00E+00	1.15E-09
4450	481498.76	3769100.91	5.736E-09	2.59E-09	0.00E+00	8.32E-09	5.68E-09	3.76E-09	0.00E+00	9.44E-09	1.04E-09	6.41E-10	0.00E+00	1.68E-09	5.82E-10	5.53E-10	0.00E+00	1.14E-09
4451	481508.28	3769101.03	5.68E-09	2.56E-09	0.00E+00	8.24E-09	5.62E-09	3.73E-09	0.00E+00	9.35E-09	1.03E-09	6.35E-10	0.00E+00	1.67E-09	5.76E-10	5.48E-10	0.00E+00	1.12E-09
4452	481517.8	3769101.15	5.626E-09	2.54E-09	0.00E+00	8.16E-09	5.57E-09	3.69E-09	0.00E+00	9.26E-09	1.02E-09	6.29E-10	0.00E+00	1.65E-09	5.71E-10	5.43E-10	0.00E+00	1.11E-09
4453	481346.11	3769128.98	6.34E-09	2.86E-09	0.00E+00	9.20E-09	6.27E-09	4.16E-09	0.00E+00	1.04E-08	1.15E-09	7.09E-10	0.00E+00	1.86E-09	6.43E-10	6.12E-10	0.00E+00	1.25E-09
4454	481355.62	3769129.1	6.264E-09	2.83E-09	0.00E+00	9.09E-09	6.20E-09	4.11E-09	0.00E+00	1.03E-08	1.14E-09	7.00E-10	0.00E+00	1.84E-09	6.35E-10	6.04E-10	0.00E+00	1.24E-09
4455	481365.14	3769129.22	6.19E-09	2.79E-09	0.00E+00	8.98E-09	6.12E-09	4.06E-09	0.00E+00	1.02E-08	1.12E-09	6.92E-10	0.00E+00	1.82E-09	6.28E-10	5.97E-10	0.00E+00	1.22E-09
4456	481374.66	3769129.34	6.116E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.84E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
4457	481384.18	3769129.46	6.043E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.95E-09	1.10E-09	6.75E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
4458	481393.69	3769129.59	5.973E-09	2.69E-09	0.00E+00	8.67E-09	5.91E-09	3.92E-09	0.00E+00	9.83E-09	1.09E-09	6.68E-10	0.00E+00	1.75E-09	6.06E-10	5.76E-10	0.00E+00	1.18E-09
4459	481403.21	3769129.71	5.906E-09	2.66E-09	0.00E+00	8.57E-09	5.84E-09	3.88E-09	0.00E+00	9.72E-09	1.07E-09	6.60E-10	0.00E+00	1.73E-09	5.99E-10	5.70E-10	0.00E+00	1.17E-09
4460	481412.73	3769129.83	5.841E-09	2.63E-09	0.00E+00	8.47E-09	5.78E-09	3.83E-09	0.00E+00	9.61E-09	1.06E-09	6.53E-10	0.00E+00	1.71E-09	5.92E-10	5.63E-10	0.00E+00	1.16E-09
4461	481422.25	3769129.95	5.776E-09	2.61E-09	0.00E+00	8.38E-09	5.72E-09	3.79E-09	0.00E+00	9.51E-09	1.05E-09	6.46E-10	0.00E+00	1.70E-09	5.86E-10	5.57E-10	0.00E+00	1.14E-09
4462	481431.76	3769130.07	5.712E-09	2.58E-09	0.00E+00	8.29E-09	5.65E-09	3.75E-09	0.00E+00	9.40E-09	1.04E-09	6.38E-10	0.00E+00	1.68E-09	5.79E-10	5.51E-10	0.00E+00	1.13E-09
4463	481441.28	3769130.19	5.65E-09	2.55E-09	0.00E+00	8.20E-09	5.59E-09	3.71E-09	0.00E+00	9.30E-09	1.03E-09	6.31E-10	0.00E+00	1.66E-09	5.73E-10	5.45E-10	0.00E+00	1.12E-09
4464	481450.8	3769130.31	5.59E-09	2.52E-09	0.00E+00	8.11E-09	5.53E-09	3.67E-09	0.00E+00	9.20E-09	1.02E-09	6.25E-10	0.00E+00	1.64E-09	5.67E-10	5.39E-10	0.00E+00	1.11E-09
4465	481460.31	3769130.43	5.532E-09	2.49E-09	0.00E+00	8.03E-09	5.47E-09	3.63E-09	0.00E+00	9.10E-09	1.01E-09	6.18E-10	0.00E+00	1.62E-09	5.61E-10	5.34E-10	0.00E+00	1.09E-09
4466	481469.83	3769130.55	5.476E-09	2.47E-09	0.00E+00	7.95E-09	5.42E-09	3.59E-09	0.00E+00	9.01E-09	9.95E-10	6.12E-10	0.00E+00	1.61E-09	5.55E-10	5.28E-10	0.00E+00	1.08E-09
4467	481479.35	3769130.67	5.421E-09	2.44E-09	0.00E+00	7.87E-09	5.36E-09	3.56E-09	0.00E+00	8.92E-09	9.85E-10	6.06E-10	0.00E+00	1.59E-09	5.50E-10	5.23E-10	0.00E+00	1.07E-09
4468	481488.87	3769130.79	5.367E-09	2.42E-09	0.00E+00	7.79E-09	5.31E-09	3.52E-09	0.00E+00	8.83E-09	9.75E-10	6.00E-10	0.00E+00	1.58E-09	5.44E-10	5.18E-10	0.00E+00	1.06E-09
4469	481498.38	3769130.91	5.315E-09	2.40E-09	0.00E+00	7.71E-09	5.26E-09	3.49E-09	0.00E+00	8.75E-09	9.66E-10	5.94E-10	0.00E+00	1.56E-09	5.39E-10	5.13E-10	0.00E+00	1.05E-09
4470	481507.9	3769131.03	5.264E-09	2.37E-09	0.00E+00	7.64E-09	5.21E-09	3.45E-09	0.00E+00	8.66E-09	9.56E-10	5.88E-10	0.00E+00	1.54E-09	5.34E-10	5.08E-10	0.00E+00	1.04E-09
4471	481517.42	3769131.15	5.215E-09	2.35E-09	0.00E+00	7.57E-09	5.16E-09	3.42E-09	0.00E+00	8.58E-09	9.48E-10	5.83E-10	0.00E+00	1.53E-09	5.29E-10	5.03E-10	0.00E+00	1.03E-09
4472	481550.75	3768564.85	1.322E-07	5.96E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
4473	481557.99	3768571.73	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.47E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
4474	481549.57	3768575.11	1.119E-07	5.05E-08	0.00E+00	1.62E-07	1.11E-07	7.34E-08	0.00E+00	1.84E-07	2.03E-08	1.25E-08	0.00E+00	3.28E-08	1.14E-08	1.08E-08	0.00E+00	2.21E-08
4475	481576.73	3768567.27	1.121E-07	5.06E-08	0.00E+00	1.63E-07	1.11E-07	7.36E-08	0.00E+00	1.84E-07	2.04E-08	1.25E-08	0.00E+00	3.29E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
4476	481565.11	3768578.66	9.946E-08	4.49E-08	0.00E+00	1.44E-07	9.84E-08	6.53E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.60E-09	0.00E+00	1.97E-08
4477	481548.75	3768585.23	9.576E-08	4.32E-08	0.00E+00	1.39E-07	9.48E-08	6.28E-08	0.00E+00	1.58E-07	1.74E-08	1.07E-08	0.00E+00	2.81E-08	9.71E-09	9.24E-09	0.00E+00	1.90E-08
4478	481586.92	3768566.52	1.083E-07	4.88E-08	0.00E+00	1.57E-07	1.07E-07	7.10E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.04E-08	0.00E+00	2.14E-08
4479	481572.16	3768585.62	8.787E-08	3.96E-08	0.00E+00	1.27E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.82E-09	0.00E+00	2.58E-08	8.91E-09	8.48E-09	0.00E+00	1.74E-08
4480	481556.14	3768592.05	8.462E-08	3.82E-08	0.00E+00	1.23E-07	8.37E-08	5.55E-08	0.00E+00	1.39E-07	1.54E-08	9.46E-09	0.00E+00	2.48E-08	8.58E-09	8.16E-09	0.00E+00	1.67E-08
4481	481598.45	3768562.61	1.083E-07	4.88E-08	0.00E+00	1.57E-07	1.07E-07	7.10E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.04E-08	0.00E+00	2.14E-08
4482	481594.65	3768571.56	9.782E-08	4.41E-08	0.00E+00	1.42E-07	9.68E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.44E-09	0.00E+00	1.94E-08
4483	481590.86	3768580.5	8.823E-08	3.98E-08	0.00E+00	1.28E-07	8.73E-08	5.79E-08	0.00E+00	1.45E-07	1.60E-08	9.86E-09	0.00E+00	2.59E-08	8.95E-09	8.51E-09	0.00E+00	1.75E-08
4484	481578.05	3768593.05	7.812E-08	3.52E-08	0.00E+00	1.13E-07	7.73E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.73E-09	0.00E+00	2.29E-08	7.92E-09	7.54E-09	0.00E+00	1.55E-08
4485	481569.03	3768596.67	7.655E-08	3.45E-08	0.00E+00	1.11E-07	7.57E-08	5.02E-08	0.00E+00	1.26E-07	1.39E-08	8.55E-09	0.00E+00	2.25E-08	7.76E-09	7.38E-09	0.00E+00	1.51E-08
4486	481560.02	3768600.28	7.486E-08	3.38E-08	0.00E+00	1.09E-07	7.41E-08	4.91E-08	0.00E+00	1.23E-07	1.36E-08	8.37E-09	0.00E+00	2.20E-08	7.59E-09	7.22E-09	0.00E+00	1.48E-08
4487	481551	3768603.9	7.312E-08	3.30E-08	0.00E+00	1.06E-07	7.24E-08	4.80E-08	0.00E+00	1.20E-07	1.33E-08	8.17E-09	0.00E+00	2.15E-08	7.42E-09	7.05E-09	0.00E+00	1.45E-08
4488	481608.71	3768561.69	1.044E-07	4.71E-08	0.00E+00	1.51E-07	1.03E-07	6.85E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.06E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
4489	481605.02	3768570.39	9.515E-08	4.29E-08	0.00E+00	1.38E-07	9.42E-08	6.24E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.65E-09	9.18E-09	0.00E+00	1.88E-08
4490	481601.33	3768579.08	8.652E-08	3.90E-08	0.00E+00	1.26E-07	8.56E-08	5.68E-08	0.00E+00	1.42E-07	1.57E-08	9.67E-09	0.00E+00	2.54E-08	8.78E-09	8.35E-09	0.00E+00	1.71E-08
4491	481597.64	3768587.77	7.86E-08	3.54E-08	0.00E+00	1.14E-07	7.78E-08	5.16E-08	0.00E+00	1.29E-07	1.43E-08	8.79E-09	0.00E+00	2.31E-08	7.97E-09	7.58E-09	0.00E+00	1.56E-08
4492	481585.19	3768599.98	7.015E-08	3.16E-08	0.00E+00	1.02E-07	6.94E-08	4.60E-08	0.00E+00	1.15E-07	1.27E-08	7.84E-09	0.00E+00	2.06E-08	7.12E-09	6.77E-09	0.00E+00	1.39E-08
4493	481576.42	3768603.49	6.881E-08	3.10E-08	0.00E+00	9.98E-08	6.81E-08	4.52E-08	0.00E+00	1.13E-07	1.25E-08	7.69E-09	0.00E+00	2.02E-08	6.98E-09	6.64E-09	0.00E+00	1.36E-08
4494	481567.66	3768607.01	6.741E-08	3.04E-08	0.00E+00	9.78E-08	6.67E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.84E-09	6.50E-09	0.00E+00	1.33E-08
4495	481558.89	3768610.52	6.593E-08	2.97E-08	0.00E+00	9.57E-08	6.52E-08	4.33E-08	0.00E+00	1.09E-07	1.20E-08	7.37E-09	0.00E+00	1.93E-08	6.69E-09	6.36E-09	0.00E+00	1.30E-08
4496	481550.13	3768614.04	6.444E-08	2.91E-08	0.00E+00	9.35E-08	6.38E-08	4.23E-08	0.00E+00	1.06E-07	1.17E-08	7.20E-09	0.00E+00	1.89E-08	6.54E-09	6.22E-09	0.00E+00	1.28E-08
4497	481618.87	3768560.99	1.004E-07	4.53E-08	0.00E+00	1.46E-07	9.94E-08	6.59E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.69E-09	0.00E+00	1.99E-08
4498	481615.27	3768569.49	9.221E-08	4.16E-08	0.00E+00	1.34E-07	9.12E-08	6.05E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.35E-09	8.90E-09	0.00E+00	1.82E-08
4499	481611.66	3768577.99	8.443E-08	3.81E-08	0.00E+00	1.23E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.44E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
4500	481608.05	3768586.49	7.719E-08	3.48E-08	0.00E+00	1.12E-07	7.64E-08	5.06E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.83E-09	7.45E-09	0.00E+00	1.53E-08
4501	481604.44	3768594.99	7.055E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
4502	481592.27	3768606.93	6.34E-08	2.86E-08	0.00E+00	9.20E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.09E-09	0.00E+00	1.86E-08	6.43E-09	6.12E-09	0.00E+00	1.25E-08
4503	481583.7	3768610.36	6.223E-08	2.81E-08	0.00E+00	9.03E-08	6.16E-08	4.08E-08	0.00E+00	1.02E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.31E-09	6.00E-09	0.00E+00	1.23E-08
4504	481575.13	3768613.8	6.105E-08	2.75E-08	0.00E+00	8.86E-08	6.04E-08	4.01E-08	0.00E+00	1.00E-07	1.11E-08	6.82E-09	0.00E+00	1.79E-08	6.19E-09	5.89E-09	0.00E+00	1.21E-08
4505	481566.56	3768617.24	5.982E-08	2.70E-08	0.00E+00	8.68E-08	5.92E-08	3.93E-08	0.00E+00	9.84E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.77E-09	0.00E+00	1.18E-08
4506	481557.99	3768620.67	5.853E-08	2.64E-08	0.00E+00	8.49E-08	5.79E-08	3.84E-08	0.00E+00	9.63E-08	1.06E-08	6.54E-09	0.00E+00	1.72E-08	5.94E-09	5.65E-09	0.00E+00	1.16E-08
4507	481549.42	3768624.11	5.731E-08	2.58E-08	0.00E+00	8.32E-08	5.67E-08	3.76E-08	0.00E+00	9.43E-08	1.04E-08	6.41E-09	0.00E+00	1.68E-08	5.81E-09	5.53E-09	0.00E+00	1.13E-08
4508	481628.97	3768560.45	9.65E-08	4.35E-08	0.00E+00	1.40E-07	9.55E-08	6.33E-08	0.00E+00	1.59E-07	1.75E-08	1.08E-08	0.00E+00	2.83E-08	9.79E-09	9.31E-09	0.00E+00	1.91E-08
4509	481621.89	3768577.14	8.212E-08	3.70E-08	0.00E+00	1.19E-07	8.13E-08	5.39E-08	0.00E+00	1.35E-07	1.49E-08	9.18E-09	0.00E+00	2.41E-08	8.33E-09	7.92E-09	0.00E+00	1.63E-08
4510	481614.81	3768593.83	6.935E-08	3.13E-08	0.00E+00	1.01E-07	6.86E-08	4.55E-08	0.00E+00	1.14E-07	1.26E-08	7.75E-09	0.00E+00	2.04E-08	7.03E-09	6.69E-09	0.00E+00	1.37E-08
4511	481611.27	3768602.17	6.372E-08	2.87E-08	0.00E+00	9.25E-08	6.31E-08	4.18E-08	0.00E+00	1.05E-07	1.16E-08	7.12E-09	0.00E+00	1.87E-08	6.46E-09	6.15E-09	0.00E+00	1.26E-08
4512	481599.31	3768613.89	5.761E-08	2.60E-08	0.00E+00	8.36E-08	5.70E-08	3.78E-08	0.00E+00	9.48E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.84E-09	5.56E-09	0.00E+00	1.14E-08
4513	481590.9	3768617.26	5.659E-08	2.55E-08	0.00E+00	8.21E-08	5.60E-08	3.71E-08	0.00E+00	9.31E-08	1.03E-08	6.32E-09	0.00E+00	1.66E-08	5.74E-09	5.46E-09	0.00E+00	1.12E-08
4514	481582.48	3768620.64	5.553E-08	2.50E-08	0.00E+00	8.06E-08	5.49E-08	3.64E-08	0.00E+00	9.14E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.63E-09	5.36E-09	0.00E+00	1.10E-08
4515	481574.07	3768624.01	5.446E-08	2.46E-08	0.00E+00	7.90E-08	5.39E-08	3.57E-08	0.00E+00	8.96E-08	9.90E-09	6.09E-09	0.00E+00	1.60E-08	5.52E-09	5.25E-09	0.00E+00	1.08E-08
4516

4538	481559.92	3768639.47	4.747E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.12E-08	0.00E+00	7.81E-08	8.63E-09	5.31E-09	0.00E+00	1.39E-08	4.82E-09	4.58E-09	0.00E+00	9.40E-09
4539	481550.81	3768643.13	4.659E-08	2.10E-08	0.00E+00	6.76E-08	4.61E-08	3.06E-08	0.00E+00	7.67E-08	8.46E-09	5.21E-09	0.00E+00	1.37E-08	4.73E-09	4.49E-09	0.00E+00	9.22E-09
4540	481653.42	3768467.27	1.781E-07	8.03E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.93E-07	3.24E-08	1.99E-08	0.00E+00	5.23E-08	1.81E-08	1.72E-08	0.00E+00	3.53E-08
4541	481653.49	3768457.29	1.853E-07	8.36E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.37E-08	2.07E-08	0.00E+00	5.44E-08	1.88E-08	1.79E-08	0.00E+00	3.67E-08
4542	481653.57	3768447.31	1.913E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
4543	481653.64	3768437.33	1.958E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
4544	481653.71	3768427.35	1.989E-07	8.97E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.84E-08	2.02E-08	1.92E-08	0.00E+00	3.94E-08
4545	481653.79	3768417.37	2.004E-07	9.04E-08	0.00E+00	2.91E-07	1.98E-07	1.32E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.88E-08	2.03E-08	1.93E-08	0.00E+00	3.97E-08
4546	481653.86	3768407.39	2.004E-07	9.04E-08	0.00E+00	2.91E-07	1.98E-07	1.31E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.88E-08	2.03E-08	1.93E-08	0.00E+00	3.97E-08
4547	481653.93	3768397.41	1.987E-07	8.96E-08	0.00E+00	2.88E-07	1.97E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.83E-08	2.02E-08	1.92E-08	0.00E+00	3.93E-08
4548	481654.01	3768387.44	1.955E-07	8.82E-08	0.00E+00	2.84E-07	1.93E-07	1.28E-07	0.00E+00	3.22E-07	3.55E-08	2.19E-08	0.00E+00	5.74E-08	1.98E-08	1.89E-08	0.00E+00	3.87E-08
4549	481644.04	3768571.47	8.058E-08	3.63E-08	0.00E+00	1.17E-07	7.97E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.36E-08	8.17E-09	7.77E-09	0.00E+00	1.59E-08
4550	481640.28	3768580.32	7.434E-08	3.35E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.31E-09	0.00E+00	2.18E-08	7.54E-09	7.17E-09	0.00E+00	1.47E-08
4551	481636.52	3768589.17	6.842E-08	3.09E-08	0.00E+00	9.93E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.65E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
4552	481632.77	3768598.02	6.29E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4553	481629.01	3768606.87	5.782E-08	2.61E-08	0.00E+00	8.39E-08	5.72E-08	3.79E-08	0.00E+00	9.52E-08	1.05E-08	6.46E-09	0.00E+00	1.70E-08	5.86E-09	5.58E-09	0.00E+00	1.14E-08
4554	481625.26	3768615.72	5.321E-08	2.40E-08	0.00E+00	7.72E-08	5.26E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
4555	481612.57	3768628.15	4.817E-08	2.17E-08	0.00E+00	6.99E-08	4.77E-08	3.16E-08	0.00E+00	7.93E-08	8.75E-09	5.38E-09	0.00E+00	1.41E-08	4.89E-09	4.65E-09	0.00E+00	9.53E-09
4556	481603.65	3768631.73	4.731E-08	2.13E-08	0.00E+00	6.86E-08	4.68E-08	3.10E-08	0.00E+00	7.79E-08	8.60E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.56E-09	0.00E+00	9.36E-09
4557	481594.73	3768635.3	4.642E-08	2.09E-08	0.00E+00	6.74E-08	4.59E-08	3.05E-08	0.00E+00	7.64E-08	8.43E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.19E-09
4558	481585.8	3768638.88	4.551E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
4559	481576.88	3768642.46	4.461E-08	2.01E-08	0.00E+00	6.47E-08	4.41E-08	2.93E-08	0.00E+00	7.34E-08	8.10E-09	4.99E-09	0.00E+00	1.31E-08	4.52E-09	4.30E-09	0.00E+00	8.83E-09
4560	481567.96	3768646.04	4.374E-08	1.97E-08	0.00E+00	6.35E-08	4.33E-08	2.87E-08	0.00E+00	7.20E-08	7.95E-09	4.89E-09	0.00E+00	1.28E-08	4.44E-09	4.22E-09	0.00E+00	8.66E-09
4561	481559.03	3768649.62	4.298E-08	1.94E-08	0.00E+00	6.24E-08	4.25E-08	2.82E-08	0.00E+00	7.07E-08	7.81E-09	4.80E-09	0.00E+00	1.26E-08	4.36E-09	4.15E-09	0.00E+00	8.51E-09
4562	481550.11	3768653.2	4.227E-08	1.91E-08	0.00E+00	6.13E-08	4.18E-08	2.77E-08	0.00E+00	6.96E-08	7.68E-09	4.72E-09	0.00E+00	1.24E-08	4.29E-09	4.08E-09	0.00E+00	8.37E-09
4563	481663.26	3768467.34	1.658E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
4564	481663.33	3768457.36	1.724E-07	7.77E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
4565	481663.4	3768447.38	1.778E-07	8.02E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.93E-07	3.23E-08	1.99E-08	0.00E+00	5.22E-08	1.80E-08	1.72E-08	0.00E+00	3.52E-08
4566	481663.48	3768437.4	1.82E-07	8.21E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	3.00E-07	3.31E-08	2.03E-08	0.00E+00	5.34E-08	1.85E-08	1.76E-08	0.00E+00	3.60E-08
4567	481663.55	3768427.42	1.849E-07	8.34E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.78E-08	0.00E+00	3.66E-08
4568	481663.62	3768417.44	1.864E-07	8.41E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.08E-08	0.00E+00	5.47E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
4569	481663.7	3768407.47	1.865E-07	8.41E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.08E-08	0.00E+00	5.47E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
4570	481663.77	3768397.49	1.852E-07	8.35E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.79E-08	0.00E+00	3.66E-08
4571	481663.84	3768387.51	1.825E-07	8.23E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.00E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
4572	481654.21	3768570.75	7.818E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
4573	481650.52	3768579.44	7.25E-08	3.27E-08	0.00E+00	1.05E-07	7.17E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.10E-09	0.00E+00	2.13E-08	7.35E-09	6.99E-09	0.00E+00	1.43E-08
4574	481646.83	3768588.13	6.707E-08	3.02E-08	0.00E+00	9.73E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.50E-09	0.00E+00	1.97E-08	6.80E-09	6.47E-09	0.00E+00	1.33E-08
4575	481643.14	3768596.82	6.195E-08	2.79E-08	0.00E+00	8.99E-08	6.13E-08	4.07E-08	0.00E+00	1.02E-07	1.13E-08	6.92E-09	0.00E+00	1.82E-08	6.28E-09	5.98E-09	0.00E+00	1.23E-08
4576	481639.45	3768605.52	5.718E-08	2.58E-08	0.00E+00	8.30E-08	5.66E-08	3.75E-08	0.00E+00	9.41E-08	1.04E-08	6.39E-09	0.00E+00	1.68E-08	5.80E-09	5.52E-09	0.00E+00	1.13E-08
4577	481635.76	3768614.21	5.278E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.69E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
4578	481632.08	3768622.9	4.876E-08	2.20E-08	0.00E+00	7.08E-08	4.83E-08	3.20E-08	0.00E+00	8.03E-08	8.86E-09	5.45E-09	0.00E+00	1.43E-08	4.95E-09	4.70E-09	0.00E+00	9.65E-09
4579	481619.62	3768635.11	4.437E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.30E-08	8.06E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.78E-09
4580	481610.86	3768638.62	4.361E-08	1.97E-08	0.00E+00	6.33E-08	4.32E-08	2.86E-08	0.00E+00	7.18E-08	7.92E-09	4.87E-09	0.00E+00	1.28E-08	4.42E-09	4.21E-09	0.00E+00	8.63E-09
4581	481602.09	3768642.14	4.285E-08	1.93E-08	0.00E+00	6.22E-08	4.24E-08	2.81E-08	0.00E+00	7.05E-08	7.79E-09	4.79E-09	0.00E+00	1.26E-08	4.35E-09	4.13E-09	0.00E+00	8.48E-09
4582	481593.33	3768645.65	4.205E-08	1.90E-08	0.00E+00	6.10E-08	4.16E-08	2.76E-08	0.00E+00	6.92E-08	7.64E-09	4.70E-09	0.00E+00	1.23E-08	4.27E-09	4.06E-09	0.00E+00	8.32E-09
4583	481584.56	3768649.17	4.125E-08	1.86E-08	0.00E+00	5.99E-08	4.08E-08	2.71E-08	0.00E+00	6.79E-08	7.50E-09	4.61E-09	0.00E+00	1.21E-08	4.18E-09	3.98E-09	0.00E+00	8.16E-09
4584	481575.8	3768652.68	4.05E-08	1.83E-08	0.00E+00	5.88E-08	4.01E-08	2.66E-08	0.00E+00	6.67E-08	7.36E-09	4.53E-09	0.00E+00	1.19E-08	4.11E-09	3.91E-09	0.00E+00	8.02E-09
4585	481567.03	3768656.2	3.98E-08	1.80E-08	0.00E+00	5.78E-08	3.94E-08	2.61E-08	0.00E+00	6.55E-08	7.23E-09	4.45E-09	0.00E+00	1.17E-08	4.04E-09	3.84E-09	0.00E+00	7.88E-09
4586	481558.27	3768659.71	3.917E-08	1.77E-08	0.00E+00	5.68E-08	3.88E-08	2.57E-08	0.00E+00	6.45E-08	7.12E-09	4.38E-09	0.00E+00	1.15E-08	3.97E-09	3.78E-09	0.00E+00	7.75E-09
4587	481549.5	3768663.23	3.858E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.64E-09
4588	481673.1	3768467.41	1.548E-07	6.98E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
4589	481673.17	3768457.43	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
4590	481673.24	3768447.45	1.657E-07	7.47E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
4591	481673.32	3768437.48	1.696E-07	7.65E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
4592	481673.39	3768427.5	1.723E-07	7.77E-08	0.00E+00	2.50E-07	1.70E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
4593	481673.46	3768417.52	1.738E-07	7.84E-08	0.00E+00	2.52E-07	1.72E-07	1.14E-07	0.00E+00	2.86E-07	3.16E-08	1.94E-08	0.00E+00	5.10E-08	1.76E-08	1.68E-08	0.00E+00	3.44E-08
4594	481673.54	3768407.54	1.74E-07	7.85E-08	0.00E+00	2.52E-07	1.72E-07	1.14E-07	0.00E+00	2.86E-07	3.16E-08	1.94E-08	0.00E+00	5.11E-08	1.77E-08	1.68E-08	0.00E+00	3.44E-08
4595	481673.61	3768397.56	1.73E-07	7.80E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.14E-08	1.93E-08	0.00E+00	5.08E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
4596	481673.68	3768387.58	1.708E-07	7.70E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.81E-07	3.10E-08	1.91E-08	0.00E+00	5.01E-08	1.73E-08	1.65E-08	0.00E+00	3.38E-08
4597	481664.33	3768570.15	7.572E-08	3.41E-08	0.00E+00	1.10E-07	7.49E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.46E-09	0.00E+00	2.22E-08	7.68E-09	7.30E-09	0.00E+00	1.50E-08
4598	481660.7	3768578.71	7.058E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
4599	481657.07	3768587.27	6.56E-08	2.96E-08	0.00E+00	9.52E-08	6.49E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.33E-09	0.00E+00	1.92E-08	6.65E-09	6.33E-09	0.00E+00	1.30E-08
4600	481653.44	3768595.83	6.085E-08	2.74E-08	0.00E+00	8.83E-08	6.02E-08	3.99E-08	0.00E+00	1.00E-07	1.11E-08	6.80E-09	0.00E+00	1.79E-08	6.17E-09	5.87E-09	0.00E+00	1.20E-08
4601	481649.8	3768604.39	5.639E-08	2.54E-08	0.00E+00	8.18E-08	5.58E-08	3.70E-08	0.00E+00	9.28E-08	1.02E-08	6.30E-09	0.00E+00	1.65E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
4602	481646.17	3768612.94	5.224E-08	2.36E-08	0.00E+00	7.58E-08	5.17E-08	3.43E-08	0.00E+00	8.60E-08	9.49E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
4603	481642.54	3768621.5	4.842E-08	2.18E-08	0.00E+00	7.03E-08	4.79E-08	3.18E-08	0.00E+00	7.97E-08	8.80E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.58E-09
4604	481638.91	3768630.06	4.491E-08	2.03E-08	0.00E+00	6.52E-08	4.44E-08	2.95E-08	0.00E+00	7.39E-08	8.16E-09	5.02E-09	0.00E+00	1.32E-08	4.56E-09	4.33E-09	0.00E+00	8.89E-09
4605	481626.64	3768642.08	4.101E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.12E-09
4606	481618.01	3768645.54	4.034E-08	1.82E-08	0.00E+00	5.85E-08	3.99E-08	2.65E-08	0.00E+00	6.64E-08	7.33E-09	4.51E-09	0.00E+00	1.18E-08	4.09E-09	3.89E-09	0.00E+00	7.98E-09
4607	481609.38	3768649	3.965E-08	1.79E-08	0.00E+00	5.75E-08	3.92E-08	2.60E-08	0.00E+00	6.53E-08	7.21E-09	4.43E-09	0.00E+00	1.16E-08	4.02E-09	3.83E-09	0.00E+00	7.85E-09
4608	481600.75	3768652.46	3.897E-08	1.76E-08	0.00E+00	5.65E-08	3.86E-08	2.56E-08	0.00E+00	6.41E-08	7.08E-09	4.36E-09	0.00E+00	1.14E-08	3.95E-09	3.76E-09	0.00E+00	7.71E-09
4609	481592.12	3768655.92	3.827E-08	1.73E-08	0.00E+00	5.55E-08	3.79E-08	2.51E-08	0.00E+00	6.30E-08	6.95E-09	4.28E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.57E-09
4610	481583.49	3768659.38	3.761E-08	1.70E-08	0.00E+00	5.46E-08	3.72E-08	2.47E-08	0.00E+00	6.19E-08	6.83E-09	4.20E-09	0.00E+00	1.10E-08	3.82E-09	3.63E-09	0.00E+00	7.44E-09
4611	481574.86	3768662.84	3.699E-08	1.67E-08	0.00E+00	5.37E-08	3.66E-08	2.43E-08	0.00E+00	6.09E-08	6.72E-09	4.13E-09	0.00E+00	1.09E-08	3.75E-09	3.57E-09	0.00E+00	7.32E-09
4612	481566.24	3768666.3	3.642E-08	1.64E-08	0.00E+00	5.28E-08	3.60E-08	2.39E-08	0.00E+00	5.99E-08	6.62E-09	4.07E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.21E-09
4613	481557.61	3768669.77	3.589E-08	1.62E-08	0.00E+00	5.21E-08	3.55E-08	2.35E-08	0.00E+00	5.91E-08	6.52E-09	4.01E-09	0.00E+00	1.05E-08	3.64E-09	3.46E-09	0.00E+00	7.10E-09
4614	481548.98	3768673.23	3.54E-08	1.60E-08	0.00E+00	5.14E-08	3.50E-08	2.32E-08	0.00E+00	5.83E-08	6.43E-09	3.96E-09	0.00E+00	1.04E-08	3.59E-09	3.41E-09	0.00E+00	7.00E-09
4615	481683.38	3768407.61	1.628E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
4616	481683.45	3768397.63	1.621E-07	7.31E-08	0.00E+00	2.35E-07	1.60E-07	1.06E-07	0.00E+00	2.67E-07	2.94E-08	1.81E-08	0.00E+00	4.76E-08	1.64E-08	1.56E-08	0.00E+00	3.21E-08
4617	481683.52	3768387.65	1.602E-07	7.22E-08	0.00E+00	2.32E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	2.91E-08	1.79E-08	0.00E+00	4.70E-08	1.63E-08	1.55E-08	0.00E+00	3.17E-08
4618	481673.04	3768572.9	7.141E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.98E-09	0.00E+00	2.10E-08	7.24E-09	6.89E-09	0.00E+00	1.41E-08
4619	481669.18	3768581.99	6.641E-08	3.00E-08	0.00E+00	9.64E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.42E-09	0.00E+00	1.95E-08	6.74E-09	6.41E-09	0.00E+00	1.31E-08
4620	481665.32	3768591.09	6.16E-08	2.78E-08	0.00E+00	8.94E-08	6.10E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.25E-09	5.94E-09	0.00E+00	1.22E-08
4621	481661.46	3768600.18	5.704E-08	2.57E-08	0.00E+00	8.28E-08	5.64E-08	3.74E-08	0.00E+00	9.39E-08	1.04E-08	6.38E-09	0.00E+00	1.67E-08	5.79E-09	5.50E-09	0.00E+00	1.13E-08
4622	481657.6	3768609.27	5.275E-08	2.38E-08	0.00E+00	7.65E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.58E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
4623	481653.74	3768618.37	4.875E-08	2.20E-08	0.00E+00	7.07E-08	4.82E-08	3.20E-08	0.00E+00	8.02E-08	8.86E-09	5.45E-09	0.00E+00	1.43E-08	4.95E-09	4.70E-09	0.00E+00	9.65E-09
4624	481649.88	3768627.46	4.509E-08	2.03E-08	0.00E+00	6.54E-08	4.46E-08	2.96E-08	0.00E+00	7.42E-08	8.19E-09	5.04E-09	0.00E+00	1.32E-08	4.57E-09	4.35E-09	0.00E+00	8.92E-09
4625	481646.02	3768636.55	4.174E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.58E-09	4.67E-09	0.00E+00	1.22E-08	4.23E-09	4.03E-09	0.00E+00	8.26E-09
4626	481632.99	3768649.32	3.801E-08	1.71E-08	0.00E+00	5.51E-08	3.76E-08	2.49E-08	0.00E+00	6.26E-08	6.91E-09	4.25E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.52E-09
4627	481623.82	3768653	3.734E-08	1.68E-08	0.00E+00	5.42E-08	3.69E-08	2.45E-08	0.00E+00	6.14E-08	6.78E-09	4.17E-09	0.00E+00	1.10E-08	3.79E-09	3.60E-09	0.00E+00	7.39E-09
4628	481614.65	3768656.68	3.667E-08	1.65E-08	0.00E+00	5.32E-08	3.63E-08	2.41E-08	0.00E+00	6.04E-08	6.66E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.26E-09
4629	481605.48	3768660.35	3.602E-08	1.62E-08	0.00E+00	5.23E-08	3.56E-08	2.36E-08	0.00E+00	5.93E-08	6.54E-09	4.03E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.13E-09
4630	481596.31	3768664.03	3.537E-08	1.60E-08	0.00E+00	5.13E-08	3.50E-08	2.32E-08	0.00E+00	5.82E-08	6.43E-09	3.95E-09	0.00E+00	1.04E-08	3.59E-09	3.41E-09	0.00E+00	7.00E-09
4631	481587.15	3768667.71	3.475E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.31E-09	3.88E-09	0.00E+00	1.02E-08	3.53E-09	3.35E-09	0.00E+00	6.88E-09
4632	481577.98	3768671.38	3.419E-08	1.54E-08	0.00E+00	4.96E-08	3.38E-08	2.24E-08	0.00E+00	5.63E-08	6.21E-09	3.82E-09	0.00E+00	1.00E-08	3.47E-09	3.30E-09	0.00E+00	6.77E-09
4633	481568.81	3768675.06	3.366E-08	1.52E-08	0.00E+00	4.88E-08	3.33E-08	2.21E-08	0.00E+00	5.54E-08	6.12E-09	3.76E-09	0.00E+00	9.88E-09	3.41E-09	3.25E-09	0.00E+00	6.66E-09
4634

4656	481558.9	3768688.82	3.062E-08	1.38E-08	0.00E+00	4.44E-08	3.03E-08	2.01E-08	0.00E+00	5.04E-08	5.56E-09	3.42E-09	0.00E+00	8.99E-09	3.11E-09	2.95E-09	0.00E+00	6.06E-09
4657	481549.88	3768692.44	3.021E-08	1.36E-08	0.00E+00	4.38E-08	2.99E-08	1.98E-08	0.00E+00	4.97E-08	5.49E-09	3.38E-09	0.00E+00	8.87E-09	3.06E-09	2.91E-09	0.00E+00	5.98E-09
4658	481703.05	3768407.76	1.437E-07	6.48E-08	0.00E+00	2.08E-07	1.42E-07	9.43E-08	0.00E+00	2.36E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.84E-08
4659	481703.13	3768397.78	1.433E-07	6.46E-08	0.00E+00	2.08E-07	1.42E-07	9.40E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
4660	481703.2	3768387.8	1.42E-07	6.40E-08	0.00E+00	2.06E-07	1.41E-07	9.32E-08	0.00E+00	2.34E-07	2.58E-08	1.59E-08	0.00E+00	4.17E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
4661	481689.58	3768580.42	6.296E-08	2.84E-08	0.00E+00	9.14E-08	6.23E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.04E-09	0.00E+00	1.85E-08	6.39E-09	6.07E-09	0.00E+00	1.25E-08
4662	481685.84	3768589.23	5.888E-08	2.66E-08	0.00E+00	8.54E-08	5.83E-08	3.86E-08	0.00E+00	9.69E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.17E-08
4663	481682.1	3768598.04	5.495E-08	2.48E-08	0.00E+00	7.97E-08	5.44E-08	3.61E-08	0.00E+00	9.04E-08	9.98E-09	6.14E-09	0.00E+00	1.61E-08	5.57E-09	5.30E-09	0.00E+00	1.09E-08
4664	481678.36	3768606.85	5.122E-08	2.31E-08	0.00E+00	7.43E-08	5.07E-08	3.36E-08	0.00E+00	8.43E-08	9.31E-09	5.72E-09	0.00E+00	1.50E-08	5.20E-09	4.94E-09	0.00E+00	1.01E-08
4665	481674.63	3768615.66	4.769E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.44E-09
4666	481670.89	3768624.47	4.44E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.31E-08	8.07E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.79E-09
4667	481667.15	3768633.27	4.136E-08	1.87E-08	0.00E+00	6.00E-08	4.09E-08	2.71E-08	0.00E+00	6.81E-08	7.52E-09	4.62E-09	0.00E+00	1.21E-08	4.20E-09	3.99E-09	0.00E+00	8.19E-09
4668	481663.41	3768642.08	3.855E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4669	481659.67	3768650.89	3.598E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.54E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
4670	481647.05	3768663.26	3.305E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.69E-09	0.00E+00	9.70E-09	3.35E-09	3.19E-09	0.00E+00	6.54E-09
4671	481638.17	3768666.82	3.25E-08	1.47E-08	0.00E+00	4.72E-08	3.22E-08	2.13E-08	0.00E+00	5.35E-08	5.91E-09	3.63E-09	0.00E+00	9.54E-09	3.30E-09	3.14E-09	0.00E+00	6.43E-09
4672	481629.29	3768670.38	3.196E-08	1.44E-08	0.00E+00	4.64E-08	3.16E-08	2.10E-08	0.00E+00	5.26E-08	5.81E-09	3.57E-09	0.00E+00	9.38E-09	3.24E-09	3.08E-09	0.00E+00	6.32E-09
4673	481620.41	3768673.95	3.142E-08	1.42E-08	0.00E+00	4.56E-08	3.11E-08	2.06E-08	0.00E+00	5.17E-08	5.71E-09	3.51E-09	0.00E+00	9.22E-09	3.19E-09	3.03E-09	0.00E+00	6.22E-09
4674	481611.53	3768677.51	3.091E-08	1.39E-08	0.00E+00	4.48E-08	3.06E-08	2.03E-08	0.00E+00	5.09E-08	5.62E-09	3.45E-09	0.00E+00	9.07E-09	3.13E-09	2.98E-09	0.00E+00	6.12E-09
4675	481602.65	3768681.07	3.041E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	2.00E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.02E-09
4676	481593.76	3768684.63	2.995E-08	1.35E-08	0.00E+00	4.35E-08	2.96E-08	1.97E-08	0.00E+00	4.93E-08	5.44E-09	3.35E-09	0.00E+00	8.79E-09	3.04E-09	2.89E-09	0.00E+00	5.93E-09
4677	481584.88	3768688.19	2.953E-08	1.33E-08	0.00E+00	4.29E-08	2.92E-08	1.94E-08	0.00E+00	4.86E-08	5.37E-09	3.30E-09	0.00E+00	8.67E-09	3.00E-09	2.85E-09	0.00E+00	5.84E-09
4678	481576	3768691.75	2.914E-08	1.31E-08	0.00E+00	4.23E-08	2.88E-08	1.91E-08	0.00E+00	4.80E-08	5.29E-09	3.26E-09	0.00E+00	8.55E-09	2.96E-09	2.81E-09	0.00E+00	5.77E-09
4679	481567.12	3768695.31	2.876E-08	1.30E-08	0.00E+00	4.17E-08	2.85E-08	1.89E-08	0.00E+00	4.73E-08	5.23E-09	3.21E-09	0.00E+00	8.44E-09	2.92E-09	2.77E-09	0.00E+00	5.69E-09
4680	481558.24	3768698.88	2.838E-08	1.28E-08	0.00E+00	4.12E-08	2.81E-08	1.86E-08	0.00E+00	4.67E-08	5.16E-09	3.17E-09	0.00E+00	8.33E-09	2.88E-09	2.74E-09	0.00E+00	5.62E-09
4681	481549.36	3768702.44	2.803E-08	1.26E-08	0.00E+00	4.07E-08	2.77E-08	1.84E-08	0.00E+00	4.61E-08	5.09E-09	3.13E-09	0.00E+00	8.23E-09	2.84E-09	2.70E-09	0.00E+00	5.55E-09
4682	481712.89	3768407.83	1.405E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.22E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
4683	481712.96	3768397.85	1.403E-07	6.33E-08	0.00E+00	2.04E-07	1.39E-07	9.21E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.42E-08	1.35E-08	0.00E+00	2.78E-08
4684	481713.04	3768387.87	1.392E-07	6.28E-08	0.00E+00	2.02E-07	1.38E-07	9.14E-08	0.00E+00	2.29E-07	2.53E-08	1.56E-08	0.00E+00	4.09E-08	1.41E-08	1.34E-08	0.00E+00	2.76E-08
4685	481696.02	3768588.49	5.75E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.43E-09	0.00E+00	1.69E-08	5.83E-09	5.55E-09	0.00E+00	1.14E-08
4686	481692.34	3768597.19	5.382E-08	2.43E-08	0.00E+00	7.81E-08	5.33E-08	3.53E-08	0.00E+00	8.86E-08	9.78E-09	6.02E-09	0.00E+00	1.58E-08	5.46E-09	5.19E-09	0.00E+00	1.07E-08
4687	481688.65	3768605.88	5.031E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.96E-09
4688	481684.96	3768614.57	4.701E-08	2.12E-08	0.00E+00	6.82E-08	4.65E-08	3.08E-08	0.00E+00	7.74E-08	8.54E-09	5.25E-09	0.00E+00	1.38E-08	4.77E-09	4.53E-09	0.00E+00	9.30E-09
4689	481681.27	3768623.26	4.389E-08	1.98E-08	0.00E+00	6.37E-08	4.34E-08	2.88E-08	0.00E+00	7.22E-08	7.98E-09	4.91E-09	0.00E+00	1.29E-08	4.45E-09	4.23E-09	0.00E+00	8.69E-09
4690	481677.58	3768631.96	4.098E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.74E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.95E-09	0.00E+00	8.11E-09
4691	481673.89	3768640.65	3.829E-08	1.73E-08	0.00E+00	5.56E-08	3.79E-08	2.51E-08	0.00E+00	6.30E-08	6.96E-09	4.28E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.58E-09
4692	481670.2	3768649.34	3.581E-08	1.61E-08	0.00E+00	5.20E-08	3.54E-08	2.35E-08	0.00E+00	5.89E-08	6.51E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.09E-09
4693	481666.51	3768658.03	3.352E-08	1.51E-08	0.00E+00	4.86E-08	3.32E-08	2.20E-08	0.00E+00	5.52E-08	6.09E-09	3.75E-09	0.00E+00	9.84E-09	3.40E-09	3.23E-09	0.00E+00	6.63E-09
4694	481654.06	3768670.24	3.094E-08	1.40E-08	0.00E+00	4.49E-08	3.06E-08	2.03E-08	0.00E+00	5.09E-08	5.62E-09	3.46E-09	0.00E+00	9.08E-09	3.14E-09	2.99E-09	0.00E+00	6.12E-09
4695	481645.29	3768673.76	3.045E-08	1.37E-08	0.00E+00	4.42E-08	3.01E-08	2.00E-08	0.00E+00	5.01E-08	5.53E-09	3.40E-09	0.00E+00	8.94E-09	3.09E-09	2.94E-09	0.00E+00	6.03E-09
4696	481636.53	3768677.27	2.996E-08	1.35E-08	0.00E+00	4.35E-08	2.96E-08	1.97E-08	0.00E+00	4.93E-08	5.44E-09	3.35E-09	0.00E+00	8.79E-09	3.04E-09	2.89E-09	0.00E+00	5.93E-09
4697	481627.76	3768680.78	2.949E-08	1.33E-08	0.00E+00	4.28E-08	2.92E-08	1.93E-08	0.00E+00	4.85E-08	5.36E-09	3.30E-09	0.00E+00	8.65E-09	2.99E-09	2.84E-09	0.00E+00	5.84E-09
4698	481619	3768684.3	2.902E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.78E-08	5.27E-09	3.24E-09	0.00E+00	8.52E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
4699	481610.23	3768687.81	2.858E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.70E-08	5.19E-09	3.19E-09	0.00E+00	8.39E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
4700	481601.47	3768691.33	2.815E-08	1.27E-08	0.00E+00	4.08E-08	2.79E-08	1.85E-08	0.00E+00	4.63E-08	5.11E-09	3.15E-09	0.00E+00	8.26E-09	2.85E-09	2.72E-09	0.00E+00	5.57E-09
4701	481592.7	3768694.84	2.776E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.04E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.49E-09
4702	481583.94	3768698.36	2.74E-08	1.24E-08	0.00E+00	3.98E-08	2.71E-08	1.80E-08	0.00E+00	4.51E-08	4.98E-09	3.06E-09	0.00E+00	8.04E-09	2.78E-09	2.64E-09	0.00E+00	5.42E-09
4703	481575.18	3768701.87	2.706E-08	1.22E-08	0.00E+00	3.93E-08	2.68E-08	1.78E-08	0.00E+00	4.45E-08	4.92E-09	3.02E-09	0.00E+00	7.94E-09	2.75E-09	2.61E-09	0.00E+00	5.36E-09
4704	481566.41	3768705.39	2.674E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.75E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.29E-09
4705	481557.65	3768708.9	2.641E-08	1.19E-08	0.00E+00	3.83E-08	2.61E-08	1.73E-08	0.00E+00	4.35E-08	4.80E-09	2.95E-09	0.00E+00	7.75E-09	2.68E-09	2.55E-09	0.00E+00	5.23E-09
4706	481548.88	3768712.42	2.612E-08	1.18E-08	0.00E+00	3.79E-08	2.58E-08	1.71E-08	0.00E+00	4.30E-08	4.75E-09	2.92E-09	0.00E+00	7.66E-09	2.65E-09	2.52E-09	0.00E+00	5.17E-09
4707	481722.73	3768407.9	1.331E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
4708	481722.8	3768397.92	1.33E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
4709	481722.88	3768387.94	1.321E-07	5.96E-08	0.00E+00	1.92E-07	1.31E-07	8.67E-08	0.00E+00	2.17E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
4710	481704.57	3768591.61	5.462E-08	2.46E-08	0.00E+00	7.93E-08	5.41E-08	3.58E-08	0.00E+00	8.99E-08	9.93E-09	6.10E-09	0.00E+00	1.60E-08	5.54E-09	5.27E-09	0.00E+00	1.08E-08
4711	481700.7	3768600.74	5.105E-08	2.30E-08	0.00E+00	7.41E-08	5.05E-08	3.35E-08	0.00E+00	8.40E-08	9.28E-09	5.71E-09	0.00E+00	1.50E-08	5.18E-09	4.92E-09	0.00E+00	1.01E-08
4712	481692.95	3768618.99	4.441E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.31E-08	8.07E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.79E-09
4713	481689.08	3768628.12	4.139E-08	1.87E-08	0.00E+00	6.00E-08	4.10E-08	2.72E-08	0.00E+00	6.81E-08	7.52E-09	4.63E-09	0.00E+00	1.21E-08	4.20E-09	3.99E-09	0.00E+00	8.19E-09
4714	481685.2	3768637.24	3.859E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.64E-09
4715	481681.33	3768646.37	3.6E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.93E-08	6.54E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.13E-09
4716	481677.46	3768655.5	3.362E-08	1.52E-08	0.00E+00	4.88E-08	3.33E-08	2.21E-08	0.00E+00	5.53E-08	6.11E-09	3.76E-09	0.00E+00	9.87E-09	3.41E-09	3.24E-09	0.00E+00	6.65E-09
4717	481673.58	3768664.63	3.144E-08	1.42E-08	0.00E+00	4.56E-08	3.11E-08	2.06E-08	0.00E+00	5.17E-08	5.71E-09	3.51E-09	0.00E+00	9.23E-09	3.19E-09	3.03E-09	0.00E+00	6.22E-09
4718	481660.51	3768677.44	2.9E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
4719	481651.3	3768681.13	2.853E-08	1.29E-08	0.00E+00	4.14E-08	2.82E-08	1.87E-08	0.00E+00	4.69E-08	5.18E-09	3.19E-09	0.00E+00	8.37E-09	2.89E-09	2.75E-09	0.00E+00	5.65E-09
4720	481642.1	3768684.82	2.806E-08	1.27E-08	0.00E+00	4.07E-08	2.78E-08	1.84E-08	0.00E+00	4.62E-08	5.10E-09	3.14E-09	0.00E+00	8.24E-09	2.85E-09	2.71E-09	0.00E+00	5.55E-09
4721	481632.9	3768688.51	2.762E-08	1.25E-08	0.00E+00	4.01E-08	2.73E-08	1.81E-08	0.00E+00	4.55E-08	5.02E-09	3.09E-09	0.00E+00	8.11E-09	2.80E-09	2.66E-09	0.00E+00	5.47E-09
4722	481623.69	3768692.2	2.719E-08	1.23E-08	0.00E+00	3.94E-08	2.69E-08	1.78E-08	0.00E+00	4.47E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
4723	481614.49	3768695.89	2.676E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.76E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.30E-09
4724	481605.29	3768699.58	2.636E-08	1.19E-08	0.00E+00	3.82E-08	2.61E-08	1.73E-08	0.00E+00	4.34E-08	4.79E-09	2.95E-09	0.00E+00	7.74E-09	2.67E-09	2.54E-09	0.00E+00	5.22E-09
4725	481596.09	3768703.27	2.599E-08	1.17E-08	0.00E+00	3.77E-08	2.57E-08	1.71E-08	0.00E+00	4.28E-08	4.72E-09	2.90E-09	0.00E+00	7.63E-09	2.64E-09	2.51E-09	0.00E+00	5.14E-09
4726	481586.88	3768706.96	2.565E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.53E-09	2.60E-09	2.47E-09	0.00E+00	5.08E-09
4727	481577.68	3768710.66	2.533E-08	1.14E-08	0.00E+00	3.68E-08	2.51E-08	1.66E-08	0.00E+00	4.17E-08	4.60E-09	2.83E-09	0.00E+00	7.43E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
4728	481559.27	3768718.04	2.474E-08	1.12E-08	0.00E+00	3.59E-08	2.45E-08	1.62E-08	0.00E+00	4.07E-08	4.49E-09	2.76E-09	0.00E+00	7.26E-09	2.51E-09	2.39E-09	0.00E+00	4.90E-09
4729	481550.07	3768721.73	2.446E-08	1.10E-08	0.00E+00	3.55E-08	2.42E-08	1.61E-08	0.00E+00	4.03E-08	4.44E-09	2.73E-09	0.00E+00	7.18E-09	2.48E-09	2.36E-09	0.00E+00	4.84E-09
4730	481732.57	3768407.97	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.28E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
4731	481732.64	3768397.99	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.28E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
4732	481732.71	3768388.01	1.254E-07	5.66E-08	0.00E+00	1.82E-07	1.24E-07	8.23E-08	0.00E+00	2.06E-07	2.28E-08	1.40E-08	0.00E+00	3.68E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
4733	481714.79	3768590.79	5.344E-08	2.41E-08	0.00E+00	7.75E-08	5.29E-08	3.51E-08	0.00E+00	8.80E-08	9.71E-09	5.97E-09	0.00E+00	1.57E-08	5.42E-09	5.16E-09	0.00E+00	1.06E-08
4734	481710.97	3768599.79	5.011E-08	2.26E-08	0.00E+00	7.27E-08	4.96E-08	3.29E-08	0.00E+00	8.25E-08	9.11E-09	5.60E-09	0.00E+00	1.47E-08	5.08E-09	4.83E-09	0.00E+00	9.92E-09
4735	481707.15	3768608.78	4.692E-08	2.12E-08	0.00E+00	6.81E-08	4.64E-08	3.08E-08	0.00E+00	7.72E-08	8.52E-09	5.24E-09	0.00E+00	1.38E-08	4.76E-09	4.53E-09	0.00E+00	9.29E-09
4736	481703.33	3768617.78	4.387E-08	1.98E-08	0.00E+00	6.37E-08	4.34E-08	2.88E-08	0.00E+00	7.22E-08	7.97E-09	4.90E-09	0.00E+00	1.29E-08	4.45E-09	4.23E-09	0.00E+00	8.68E-09
4737	481699.51	3768626.78	4.1E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.11E-09
4738	481695.69	3768635.78	3.831E-08	1.73E-08	0.00E+00	5.56E-08	3.79E-08	2.51E-08	0.00E+00	6.31E-08	6.96E-09	4.28E-09	0.00E+00	1.12E-08	3.89E-09	3.70E-09	0.00E+00	7.58E-09
4739	481691.87	3768644.78	3.581E-08	1.62E-08	0.00E+00	5.20E-08	3.54E-08	2.35E-08	0.00E+00	5.89E-08	6.51E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.09E-09
4740	481688.05	3768653.78	3.35E-08	1.51E-08	0.00E+00	4.86E-08	3.32E-08	2.20E-08	0.00E+00	5.51E-08	6.09E-09	3.74E-09	0.00E+00	9.83E-09	3.40E-09	3.23E-09	0.00E+00	6.63E-09
4741	481684.23	3768662.78	3.139E-08	1.42E-08	0.00E+00	4.55E-08	3.11E-08	2.06E-08	0.00E+00	5.17E-08	5.70E-09	3.51E-09	0.00E+00	9.21E-09	3.18E-09	3.03E-09	0.00E+00	6.21E-09
4742	481680.41	3768671.78	2.944E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.85E-08	5.35E-09	3.29E-09	0.00E+00	8.64E-09	2.99E-09	2.84E-09	0.00E+00	5.83E-09
4743	481667.52	3768684.42	2.724E-08	1.23E-08	0.00E+00	3.95E-08	2.70E-08	1.79E-08	0.00E+00	4.48E-08	4.95E-09	3.04E-09	0.00E+00	7.99E-09	2.76E-09	2.63E-09	0.00E+00	5.39E-09
4744	481658.45	3768688.06	2.683E-08	1.21E-08	0.00E+00	3.89E-08	2.65E-08	1.76E-08	0.00E+00	4.41E-08	4.87E-09	3.00E-09	0.00E+00	7.87E-09	2.72E-09	2.59E-09	0.00E+00	5.31E-09
4745	481649.37	3768691.69	2.642E-08	1.19E-08	0.00E+00	3.83E-08	2.61E-08	1.73E-08	0.00E+00	4.35E-08	4.80E-09	2.95E-09	0.00E+00	7.75E-09	2.68E-09	2.55E-09	0.00E+00	5.23E-09
4746	481640.3	3768695.33	2.602E-08	1.17E-08	0.00E+00	3.78E-08	2.57E-08	1.71E-08	0.00E+00	4.28E-08	4.73E-09	2.91E-09	0.00E+00	7.64E-09	2.64E-09	2.51E-09	0.00E+00	5.15E-09
4747	481631.23	3768698.97	2.564E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.52E-09	2.60E-09	2.47E-09	0.00E+00	5.07E-09
4748	481622.15	3768702.61	2.527E-08	1.14E-08	0.00E+00	3.67E-08	2.50E-08	1.66E-08	0.00E+00	4.16E-08	4.59E-09	2.82E-09	0.00E+00	7.41E-09	2.56E-09	2.44E-09	0.00E+00	5.00E-09
4749	481613.08	3768706.25	2.49E-08	1.12E-08	0.00E+00	3.61E-08	2.46E-08	1.63E-08	0.00E+00	4.10E-08	4.52E-09	2.78E-09	0.00E+00	7.31E-09	2.53E-09	2.40E-09	0.00E+00	4.93E-09
4750	481604	3768709.89	2.455E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.21E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
4751	481594.93	3768713.53	2.424E-08	1.09E-08	0.00E+00	3.52E-08	2.40E-08	1.59E-08	0.00E+00	3.99E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.80E-09
4752

4774	481694.8	3768661.15	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.68E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
4775	481691.02	3768670.03	2.938E-08	1.33E-08	0.00E+00	4.26E-08	2.91E-08	1.93E-08	0.00E+00	4.84E-08	5.34E-09	3.28E-09	0.00E+00	8.62E-09	2.98E-09	2.83E-09	0.00E+00	5.82E-09
4776	481687.25	3768678.92	2.764E-08	1.25E-08	0.00E+00	4.01E-08	2.73E-08	1.81E-08	0.00E+00	4.55E-08	5.02E-09	3.09E-09	0.00E+00	8.11E-09	2.80E-09	2.67E-09	0.00E+00	5.47E-09
4777	481674.52	3768691.4	2.565E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.53E-09	2.60E-09	2.47E-09	0.00E+00	5.08E-09
4778	481665.56	3768694.99	2.528E-08	1.14E-08	0.00E+00	3.67E-08	2.50E-08	1.66E-08	0.00E+00	4.16E-08	4.59E-09	2.82E-09	0.00E+00	7.42E-09	2.56E-09	2.44E-09	0.00E+00	5.00E-09
4779	481656.6	3768698.58	2.491E-08	1.12E-08	0.00E+00	3.61E-08	2.46E-08	1.63E-08	0.00E+00	4.10E-08	4.53E-09	2.78E-09	0.00E+00	7.31E-09	2.53E-09	2.40E-09	0.00E+00	4.93E-09
4780	481647.65	3768702.18	2.455E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
4781	481638.69	3768705.77	2.421E-08	1.09E-08	0.00E+00	3.51E-08	2.40E-08	1.59E-08	0.00E+00	3.98E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.79E-09
4782	481629.73	3768709.36	2.389E-08	1.08E-08	0.00E+00	3.47E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.31E-09	0.00E+00	4.73E-09
4783	481620.77	3768712.95	2.356E-08	1.06E-08	0.00E+00	3.42E-08	2.33E-08	1.55E-08	0.00E+00	3.88E-08	4.28E-09	2.63E-09	0.00E+00	6.92E-09	2.39E-09	2.27E-09	0.00E+00	4.66E-09
4784	481611.81	3768716.55	2.325E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
4785	481602.85	3768720.14	2.295E-08	1.03E-08	0.00E+00	3.33E-08	2.27E-08	1.51E-08	0.00E+00	3.78E-08	4.17E-09	2.56E-09	0.00E+00	6.73E-09	2.33E-09	2.21E-09	0.00E+00	4.54E-09
4786	481593.89	3768723.73	2.268E-08	1.02E-08	0.00E+00	3.29E-08	2.24E-08	1.49E-08	0.00E+00	3.73E-08	4.12E-09	2.53E-09	0.00E+00	6.65E-09	2.30E-09	2.19E-09	0.00E+00	4.49E-09
4787	481584.93	3768727.32	2.243E-08	1.01E-08	0.00E+00	3.25E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.58E-09	2.28E-09	2.16E-09	0.00E+00	4.44E-09
4788	481575.97	3768730.92	2.22E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.65E-08	4.03E-09	2.48E-09	0.00E+00	6.51E-09	2.25E-09	2.14E-09	0.00E+00	4.39E-09
4789	481567.01	3768734.51	2.198E-08	9.91E-09	0.00E+00	3.19E-08	2.17E-08	1.44E-08	0.00E+00	3.62E-08	3.99E-09	2.46E-09	0.00E+00	6.45E-09	2.23E-09	2.12E-09	0.00E+00	4.35E-09
4790	481751.73	3768477.97	9.657E-08	4.35E-08	0.00E+00	1.40E-07	9.56E-08	6.34E-08	0.00E+00	1.59E-07	1.75E-08	1.08E-08	0.00E+00	2.83E-08	9.80E-09	9.32E-09	0.00E+00	1.91E-08
4791	481751.8	3768467.99	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.95E-08	6.60E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.70E-09	0.00E+00	1.99E-08
4792	481751.88	3768458.01	1.041E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.83E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.06E-08	1.00E-08	0.00E+00	2.06E-08
4793	481751.95	3768448.03	1.072E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
4794	481752.02	3768438.05	1.097E-07	4.95E-08	0.00E+00	1.59E-07	1.09E-07	7.20E-08	0.00E+00	1.81E-07	1.99E-08	1.23E-08	0.00E+00	3.22E-08	1.11E-08	1.06E-08	0.00E+00	2.17E-08
4795	481752.1	3768428.07	1.117E-07	5.04E-08	0.00E+00	1.62E-07	1.11E-07	7.33E-08	0.00E+00	1.84E-07	2.03E-08	1.25E-08	0.00E+00	3.28E-08	1.13E-08	1.08E-08	0.00E+00	2.21E-08
4796	481752.17	3768418.1	1.131E-07	5.10E-08	0.00E+00	1.64E-07	1.12E-07	7.42E-08	0.00E+00	1.86E-07	2.06E-08	1.26E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
4797	481752.24	3768408.12	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
4798	481752.32	3768398.14	1.141E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.35E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
4799	481752.39	3768388.16	1.136E-07	5.12E-08	0.00E+00	1.65E-07	1.12E-07	7.45E-08	0.00E+00	1.87E-07	2.06E-08	1.27E-08	0.00E+00	3.33E-08	1.15E-08	1.10E-08	0.00E+00	2.25E-08
4800	481750.02	3768554.29	6.29E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4801	481746.29	3768563.07	5.997E-08	2.70E-08	0.00E+00	8.70E-08	5.93E-08	3.94E-08	0.00E+00	9.87E-08	1.09E-08	6.70E-09	0.00E+00	1.76E-08	6.08E-09	5.79E-09	0.00E+00	1.19E-08
4802	481731.38	3768598.21	4.814E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.75E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.53E-09
4803	481727.65	3768606.99	4.533E-08	2.04E-08	0.00E+00	6.58E-08	4.49E-08	2.97E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
4804	481723.92	3768615.78	4.262E-08	1.92E-08	0.00E+00	6.18E-08	4.22E-08	2.80E-08	0.00E+00	7.01E-08	7.74E-09	4.76E-09	0.00E+00	1.25E-08	4.32E-09	4.11E-09	0.00E+00	8.44E-09
4805	481720.19	3768624.56	4.005E-08	1.81E-08	0.00E+00	5.81E-08	3.96E-08	2.63E-08	0.00E+00	6.59E-08	7.28E-09	4.48E-09	0.00E+00	1.18E-08	4.06E-09	3.86E-09	0.00E+00	7.93E-09
4806	481716.47	3768633.34	3.76E-08	1.70E-08	0.00E+00	5.46E-08	3.72E-08	2.47E-08	0.00E+00	6.19E-08	6.83E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.63E-09	0.00E+00	7.44E-09
4807	481712.74	3768642.13	3.531E-08	1.59E-08	0.00E+00	5.12E-08	3.49E-08	2.32E-08	0.00E+00	5.81E-08	6.41E-09	3.95E-09	0.00E+00	1.04E-08	3.58E-09	3.41E-09	0.00E+00	6.99E-09
4808	481709.01	3768650.91	3.316E-08	1.50E-08	0.00E+00	4.81E-08	3.28E-08	2.18E-08	0.00E+00	5.46E-08	6.02E-09	3.71E-09	0.00E+00	9.73E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
4809	481705.28	3768659.7	3.116E-08	1.41E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.13E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.01E-09	0.00E+00	6.17E-09
4810	481701.55	3768668.48	2.93E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.82E-08	5.32E-09	3.28E-09	0.00E+00	8.60E-09	2.97E-09	2.83E-09	0.00E+00	5.80E-09
4811	481697.83	3768677.26	2.759E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
4812	481694.1	3768686.05	2.601E-08	1.17E-08	0.00E+00	3.77E-08	2.57E-08	1.71E-08	0.00E+00	4.28E-08	4.73E-09	2.91E-09	0.00E+00	7.63E-09	2.64E-09	2.51E-09	0.00E+00	5.15E-09
4813	481681.51	3768698.38	2.421E-08	1.09E-08	0.00E+00	3.51E-08	2.40E-08	1.59E-08	0.00E+00	3.99E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.79E-09
4814	481672.66	3768701.93	2.387E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
4815	481663.8	3768705.49	2.353E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.39E-09	2.27E-09	0.00E+00	4.66E-09
4816	481654.94	3768709.04	2.321E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.22E-09	2.59E-09	0.00E+00	6.81E-09	2.35E-09	2.24E-09	0.00E+00	4.59E-09
4817	481646.09	3768712.59	2.291E-08	1.03E-08	0.00E+00	3.32E-08	2.27E-08	1.50E-08	0.00E+00	3.77E-08	4.16E-09	2.56E-09	0.00E+00	6.72E-09	2.32E-09	2.21E-09	0.00E+00	4.53E-09
4818	481637.23	3768716.14	2.262E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
4819	481628.37	3768719.69	2.234E-08	1.01E-08	0.00E+00	3.24E-08	2.21E-08	1.47E-08	0.00E+00	3.68E-08	4.06E-09	2.50E-09	0.00E+00	6.55E-09	2.27E-09	2.15E-09	0.00E+00	4.42E-09
4820	481619.51	3768723.24	2.205E-08	9.94E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.01E-09	2.46E-09	0.00E+00	6.47E-09	2.24E-09	2.13E-09	0.00E+00	4.36E-09
4821	481610.66	3768726.8	2.177E-08	9.82E-09	0.00E+00	3.16E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.96E-09	2.43E-09	0.00E+00	6.39E-09	2.21E-09	2.10E-09	0.00E+00	4.31E-09
4822	481601.8	3768730.35	2.151E-08	9.70E-09	0.00E+00	3.12E-08	2.13E-08	1.41E-08	0.00E+00	3.54E-08	3.91E-09	2.40E-09	0.00E+00	6.31E-09	2.18E-09	2.08E-09	0.00E+00	4.26E-09
4823	481592.94	3768733.9	2.128E-08	9.60E-09	0.00E+00	3.09E-08	2.11E-08	1.40E-08	0.00E+00	3.50E-08	3.87E-09	2.38E-09	0.00E+00	6.25E-09	2.16E-09	2.05E-09	0.00E+00	4.21E-09
4824	481584.09	3768737.45	2.107E-08	9.50E-09	0.00E+00	3.06E-08	2.08E-08	1.38E-08	0.00E+00	3.47E-08	3.83E-09	2.35E-09	0.00E+00	6.18E-09	2.14E-09	2.03E-09	0.00E+00	4.17E-09
4825	481761.57	3768478.04	9.215E-08	4.16E-08	0.00E+00	1.34E-07	9.12E-08	6.05E-08	0.00E+00	1.52E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.35E-09	8.89E-09	0.00E+00	1.82E-08
4826	481761.64	3768468.06	9.584E-08	4.32E-08	0.00E+00	1.39E-07	9.48E-08	6.29E-08	0.00E+00	1.58E-07	1.74E-08	1.07E-08	0.00E+00	2.81E-08	9.72E-09	9.25E-09	0.00E+00	1.90E-08
4827	481761.72	3768458.08	9.915E-08	4.47E-08	0.00E+00	1.44E-07	9.81E-08	6.51E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.01E-08	9.56E-09	0.00E+00	1.96E-08
4828	481761.79	3768448.1	1.02E-07	4.60E-08	0.00E+00	1.48E-07	1.01E-07	6.70E-08	0.00E+00	1.68E-07	1.85E-08	1.14E-08	0.00E+00	2.99E-08	1.03E-08	9.84E-09	0.00E+00	2.02E-08
4829	481761.86	3768438.13	1.044E-07	4.71E-08	0.00E+00	1.52E-07	1.03E-07	6.85E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.06E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
4830	481761.94	3768428.15	1.064E-07	4.80E-08	0.00E+00	1.54E-07	1.05E-07	6.98E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
4831	481762.01	3768418.17	1.078E-07	4.86E-08	0.00E+00	1.56E-07	1.07E-07	7.07E-08	0.00E+00	1.77E-07	1.96E-08	1.20E-08	0.00E+00	3.16E-08	1.09E-08	1.04E-08	0.00E+00	2.13E-08
4832	481762.08	3768408.19	1.086E-07	4.90E-08	0.00E+00	1.58E-07	1.07E-07	7.13E-08	0.00E+00	1.79E-07	1.97E-08	1.21E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
4833	481762.16	3768398.21	1.088E-07	4.91E-08	0.00E+00	1.58E-07	1.08E-07	7.14E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
4834	481762.23	3768388.23	1.084E-07	4.89E-08	0.00E+00	1.57E-07	1.07E-07	7.11E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.05E-08	0.00E+00	2.14E-08
4835	481755.51	3768564.61	5.751E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.43E-09	0.00E+00	1.69E-08	5.83E-09	5.55E-09	0.00E+00	1.14E-08
4836	481739.97	3768601.21	4.601E-08	2.07E-08	0.00E+00	6.68E-08	4.55E-08	3.02E-08	0.00E+00	7.57E-08	8.36E-09	5.14E-09	0.00E+00	1.35E-08	4.67E-09	4.44E-09	0.00E+00	9.11E-09
4837	481736.09	3768610.36	4.327E-08	1.95E-08	0.00E+00	6.28E-08	4.28E-08	2.84E-08	0.00E+00	7.12E-08	7.86E-09	4.84E-09	0.00E+00	1.27E-08	4.39E-09	4.17E-09	0.00E+00	8.56E-09
4838	481732.21	3768619.51	4.064E-08	1.83E-08	0.00E+00	5.90E-08	4.02E-08	2.67E-08	0.00E+00	6.69E-08	7.38E-09	4.54E-09	0.00E+00	1.19E-08	4.12E-09	3.92E-09	0.00E+00	8.04E-09
4839	481728.32	3768628.66	3.812E-08	1.72E-08	0.00E+00	5.53E-08	3.77E-08	2.50E-08	0.00E+00	6.27E-08	6.93E-09	4.26E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.54E-09
4840	481724.44	3768637.81	3.576E-08	1.61E-08	0.00E+00	5.19E-08	3.54E-08	2.35E-08	0.00E+00	5.88E-08	6.50E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.08E-09
4841	481720.56	3768646.96	3.355E-08	1.51E-08	0.00E+00	4.87E-08	3.32E-08	2.20E-08	0.00E+00	5.52E-08	6.10E-09	3.75E-09	0.00E+00	9.84E-09	3.40E-09	3.24E-09	0.00E+00	6.64E-09
4842	481716.67	3768656.11	3.147E-08	1.42E-08	0.00E+00	4.57E-08	3.11E-08	2.07E-08	0.00E+00	5.18E-08	5.72E-09	3.52E-09	0.00E+00	9.24E-09	3.19E-09	3.04E-09	0.00E+00	6.23E-09
4843	481712.79	3768665.26	2.955E-08	1.33E-08	0.00E+00	4.29E-08	2.92E-08	1.94E-08	0.00E+00	4.86E-08	5.37E-09	3.30E-09	0.00E+00	8.67E-09	3.00E-09	2.85E-09	0.00E+00	5.85E-09
4844	481708.91	3768674.41	2.777E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.04E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.49E-09
4845	481705.02	3768683.56	2.611E-08	1.18E-08	0.00E+00	3.79E-08	2.58E-08	1.71E-08	0.00E+00	4.30E-08	4.74E-09	2.92E-09	0.00E+00	7.66E-09	2.65E-09	2.52E-09	0.00E+00	5.17E-09
4846	481701.14	3768692.71	2.46E-08	1.11E-08	0.00E+00	3.57E-08	2.43E-08	1.61E-08	0.00E+00	4.05E-08	4.47E-09	2.75E-09	0.00E+00	7.22E-09	2.49E-09	2.37E-09	0.00E+00	4.87E-09
4847	481688.03	3768705.56	2.289E-08	1.03E-08	0.00E+00	3.32E-08	2.26E-08	1.50E-08	0.00E+00	3.77E-08	4.16E-09	2.56E-09	0.00E+00	6.72E-09	2.32E-09	2.21E-09	0.00E+00	4.53E-09
4848	481678.8	3768709.26	2.256E-08	1.02E-08	0.00E+00	3.27E-08	2.23E-08	1.48E-08	0.00E+00	3.71E-08	4.10E-09	2.52E-09	0.00E+00	6.62E-09	2.29E-09	2.18E-09	0.00E+00	4.46E-09
4849	481669.58	3768712.96	2.224E-08	1.00E-08	0.00E+00	3.23E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.49E-09	0.00E+00	6.53E-09	2.26E-09	2.15E-09	0.00E+00	4.40E-09
4850	481660.35	3768716.66	2.192E-08	9.89E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.61E-08	3.98E-09	2.45E-09	0.00E+00	6.43E-09	2.22E-09	2.11E-09	0.00E+00	4.34E-09
4851	481651.13	3768720.36	2.164E-08	9.76E-09	0.00E+00	3.14E-08	2.14E-08	1.42E-08	0.00E+00	3.56E-08	3.93E-09	2.42E-09	0.00E+00	6.35E-09	2.19E-09	2.09E-09	0.00E+00	4.28E-09
4852	481641.9	3768724.05	2.136E-08	9.63E-09	0.00E+00	3.10E-08	2.11E-08	1.40E-08	0.00E+00	3.52E-08	3.88E-09	2.39E-09	0.00E+00	6.27E-09	2.17E-09	2.06E-09	0.00E+00	4.23E-09
4853	481632.68	3768727.75	2.11E-08	9.52E-09	0.00E+00	3.06E-08	2.09E-08	1.38E-08	0.00E+00	3.47E-08	3.83E-09	2.36E-09	0.00E+00	6.19E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
4854	481623.45	3768731.45	2.084E-08	9.40E-09	0.00E+00	3.02E-08	2.06E-08	1.37E-08	0.00E+00	3.43E-08	3.79E-09	2.33E-09	0.00E+00	6.11E-09	2.11E-09	2.01E-09	0.00E+00	4.12E-09
4855	481614.22	3768735.15	2.058E-08	9.28E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.99E-09	0.00E+00	4.07E-09
4856	481568.09	3768753.65	1.952E-08	8.80E-09	0.00E+00	2.83E-08	1.93E-08	1.28E-08	0.00E+00	3.21E-08	3.55E-09	2.18E-09	0.00E+00	5.73E-09	1.98E-09	1.88E-09	0.00E+00	3.86E-09
4857	481558.87	3768757.35	1.935E-08	8.73E-09	0.00E+00	2.81E-08	1.91E-08	1.27E-08	0.00E+00	3.18E-08	3.52E-09	2.16E-09	0.00E+00	5.68E-09	1.96E-09	1.87E-09	0.00E+00	3.83E-09
4858	481549.64	3768761.05	1.92E-08	8.66E-09	0.00E+00	2.79E-08	1.90E-08	1.26E-08	0.00E+00	3.16E-08	3.49E-09	2.15E-09	0.00E+00	5.63E-09	1.95E-09	1.85E-09	0.00E+00	3.80E-09
4859	481771.33	3768488.09	8.435E-08	3.80E-08	0.00E+00	1.22E-07	8.35E-08	5.53E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
4860	481771.41	3768478.11	8.806E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.50E-09	0.00E+00	1.74E-08
4861	481771.48	3768468.13	9.15E-08	4.13E-08	0.00E+00	1.33E-07	9.05E-08	6.00E-08	0.00E+00	1.51E-07	1.66E-08	1.02E-08	0.00E+00	2.69E-08	9.28E-09	8.83E-09	0.00E+00	1.81E-08
4862	481771.55	3768458.16	9.459E-08	4.27E-08	0.00E+00	1.37E-07	9.36E-08	6.21E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.60E-09	9.13E-09	0.00E+00	1.87E-08
4863	481771.63	3768448.18	9.729E-08	4.39E-08	0.00E+00	1.41E-07	9.63E-08	6.38E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.87E-09	9.39E-09	0.00E+00	1.93E-08
4864	481771.7	3768438.2	9.956E-08	4.49E-08	0.00E+00	1.44E-07	9.85E-08	6.53E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.60E-09	0.00E+00	1.97E-08
4865	481771.77	3768428.22	1.015E-07	4.58E-08	0.00E+00	1.47E-07	1.00E-07	6.66E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.98E-08	1.03E-08	9.79E-09	0.00E+00	2.01E-08
4866	481771.85	3768418.24	1.029E-07	4.64E-08	0.00E+00	1.49E-07	1.02E-07	6.75E-08	0.00E+00	1.69E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.04E-08	9.92E-09	0.00E+00	2.04E-08
4867	481771.92	3768408.26	1.037E-07	4.68E-08	0.00E+00	1.51E-07	1.03E-07	6.81E-08	0.00E+00	1.71E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	1.00E-08	0.00E+00	2.05E-08
4868	481771.99	3768398.28	1.039E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.82E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.05E-08	1.00E-08	0.00E+00	2.06E-08
4869	481772.07	3768388.3	1.035E-07	4.67E-08	0.00E+00	1.50E-07	1.02E-07	6.79E-08	0.00E+00	1.70E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	9.99E-09	0.00E+00	2.05E-08

4892	481567.42	3768763.71	1.843E-08	8.31E-09	0.00E+00	2.67E-08	1.82E-08	1.21E-08	0.00E+00	3.03E-08	3.35E-09	2.06E-09	0.00E+00	5.41E-09	1.87E-09	1.78E-09	0.00E+00	3.65E-09
4893	481558.3	3768767.37	1.829E-08	8.25E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.01E-08	3.32E-09	2.04E-09	0.00E+00	5.37E-09	1.86E-09	1.76E-09	0.00E+00	3.62E-09
4894	481549.19	3768771.02	1.817E-08	8.19E-09	0.00E+00	2.64E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.33E-09	1.84E-09	1.75E-09	0.00E+00	3.60E-09
4895	481781.17	3768488.16	8.079E-08	3.64E-08	0.00E+00	1.17E-07	7.99E-08	5.30E-08	0.00E+00	1.33E-07	1.47E-08	9.03E-09	0.00E+00	2.37E-08	8.20E-09	7.79E-09	0.00E+00	1.60E-08
4896	481781.25	3768478.19	8.426E-08	3.80E-08	0.00E+00	1.22E-07	8.34E-08	5.53E-08	0.00E+00	1.39E-07	1.53E-08	9.42E-09	0.00E+00	2.47E-08	8.55E-09	8.13E-09	0.00E+00	1.67E-08
4897	481781.32	3768468.21	8.748E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.78E-09	0.00E+00	2.57E-08	8.87E-09	8.44E-09	0.00E+00	1.73E-08
4898	481781.39	3768458.23	9.038E-08	4.08E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.17E-09	8.72E-09	0.00E+00	1.79E-08
4899	481781.47	3768448.25	9.292E-08	4.19E-08	0.00E+00	1.35E-07	9.19E-08	6.10E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.73E-08	9.43E-09	8.96E-09	0.00E+00	1.84E-08
4900	481781.54	3768438.27	9.506E-08	4.29E-08	0.00E+00	1.38E-07	9.41E-08	6.24E-08	0.00E+00	1.56E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.64E-09	9.17E-09	0.00E+00	1.88E-08
4901	481781.61	3768428.29	9.688E-08	4.37E-08	0.00E+00	1.41E-07	9.59E-08	6.36E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.83E-09	9.35E-09	0.00E+00	1.92E-08
4902	481781.69	3768418.31	9.826E-08	4.43E-08	0.00E+00	1.43E-07	9.72E-08	6.45E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.88E-08	9.97E-09	9.48E-09	0.00E+00	1.94E-08
4903	481781.76	3768408.33	9.916E-08	4.47E-08	0.00E+00	1.44E-07	9.81E-08	6.51E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.01E-08	9.57E-09	0.00E+00	1.96E-08
4904	481781.83	3768398.35	9.939E-08	4.48E-08	0.00E+00	1.44E-07	9.83E-08	6.52E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.59E-09	0.00E+00	1.97E-08
4905	481781.91	3768388.38	9.905E-08	4.47E-08	0.00E+00	1.44E-07	9.80E-08	6.50E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.00E-08	9.56E-09	0.00E+00	1.96E-08
4906	481775.54	3768563.92	5.266E-08	2.37E-08	0.00E+00	7.64E-08	5.21E-08	3.46E-08	0.00E+00	8.67E-08	9.57E-09	5.89E-09	0.00E+00	1.55E-08	5.34E-09	5.08E-09	0.00E+00	1.04E-08
4907	481771.74	3768572.86	5.001E-08	2.26E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.90E-09
4908	481756.57	3768608.62	4.176E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.24E-09	4.03E-09	0.00E+00	8.27E-09
4909	481752.77	3768617.56	3.944E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.17E-09	4.41E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
4910	481748.98	3768626.5	3.716E-08	1.68E-08	0.00E+00	5.39E-08	3.68E-08	2.44E-08	0.00E+00	6.12E-08	6.75E-09	4.15E-09	0.00E+00	1.09E-08	3.77E-09	3.59E-09	0.00E+00	7.36E-09
4911	481745.18	3768635.44	3.307E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.70E-09	0.00E+00	9.70E-09	3.35E-09	3.19E-09	0.00E+00	6.54E-09
4912	481741.39	3768644.38	3.102E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.10E-08	5.64E-09	3.47E-09	0.00E+00	9.10E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
4913	481737.59	3768653.32	2.923E-08	1.32E-08	0.00E+00	4.24E-08	2.89E-08	1.92E-08	0.00E+00	4.81E-08	5.31E-09	3.27E-09	0.00E+00	8.58E-09	2.96E-09	2.82E-09	0.00E+00	5.78E-09
4914	481733.8	3768662.27	2.925E-08	1.32E-08	0.00E+00	4.24E-08	2.89E-08	1.92E-08	0.00E+00	4.81E-08	5.32E-09	3.27E-09	0.00E+00	8.58E-09	2.97E-09	2.82E-09	0.00E+00	5.79E-09
4915	481730	3768671.21	2.758E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.09E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
4916	481726.21	3768680.15	2.603E-08	1.17E-08	0.00E+00	3.78E-08	2.58E-08	1.71E-08	0.00E+00	4.28E-08	4.73E-09	2.91E-09	0.00E+00	7.64E-09	2.64E-09	2.51E-09	0.00E+00	5.15E-09
4917	481722.41	3768689.09	2.456E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.75E-09	0.00E+00	7.21E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
4918	481718.62	3768698.03	2.189E-08	9.87E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.60E-08	3.98E-09	2.45E-09	0.00E+00	6.42E-09	2.22E-09	2.11E-09	0.00E+00	4.33E-09
4919	481714.83	3768706.97	2.071E-08	9.34E-09	0.00E+00	3.01E-08	2.05E-08	1.36E-08	0.00E+00	3.41E-08	3.76E-09	2.32E-09	0.00E+00	6.08E-09	2.10E-09	2.00E-09	0.00E+00	4.10E-09
4920	481702.02	3768719.53	2.057E-08	9.28E-09	0.00E+00	2.98E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.98E-09	0.00E+00	4.07E-09
4921	481693	3768723.14	2.032E-08	9.16E-09	0.00E+00	2.95E-08	2.01E-08	1.33E-08	0.00E+00	3.34E-08	3.69E-09	2.27E-09	0.00E+00	5.96E-09	2.06E-09	1.96E-09	0.00E+00	4.02E-09
4922	481683.99	3768726.75	2.006E-08	9.05E-09	0.00E+00	2.91E-08	1.98E-08	1.32E-08	0.00E+00	3.30E-08	3.64E-09	2.24E-09	0.00E+00	5.89E-09	2.03E-09	1.93E-09	0.00E+00	3.97E-09
4923	481674.97	3768730.37	1.98E-08	8.93E-09	0.00E+00	2.87E-08	1.96E-08	1.30E-08	0.00E+00	3.26E-08	3.60E-09	2.21E-09	0.00E+00	5.81E-09	2.01E-09	1.91E-09	0.00E+00	3.92E-09
4924	481665.96	3768733.98	1.955E-08	8.81E-09	0.00E+00	2.84E-08	1.93E-08	1.28E-08	0.00E+00	3.22E-08	3.55E-09	2.18E-09	0.00E+00	5.74E-09	1.98E-09	1.89E-09	0.00E+00	3.87E-09
4925	481611.87	3768755.67	1.827E-08	8.24E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.01E-08	3.32E-09	2.04E-09	0.00E+00	5.36E-09	1.85E-09	1.76E-09	0.00E+00	3.62E-09
4926	481602.85	3768759.29	1.809E-08	8.16E-09	0.00E+00	2.62E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.02E-09	0.00E+00	5.31E-09	1.83E-09	1.74E-09	0.00E+00	3.58E-09
4927	481593.84	3768762.9	1.791E-08	8.08E-09	0.00E+00	2.60E-08	1.77E-08	1.18E-08	0.00E+00	2.95E-08	3.25E-09	2.00E-09	0.00E+00	5.26E-09	1.82E-09	1.73E-09	0.00E+00	3.55E-09
4928	481584.82	3768766.52	1.775E-08	8.00E-09	0.00E+00	2.58E-08	1.76E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.21E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
4929	481575.81	3768770.13	1.759E-08	7.93E-09	0.00E+00	2.55E-08	1.74E-08	1.15E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.16E-09	1.78E-09	1.70E-09	0.00E+00	3.48E-09
4930	481566.79	3768773.75	1.746E-08	7.87E-09	0.00E+00	2.53E-08	1.73E-08	1.15E-08	0.00E+00	2.87E-08	3.17E-09	1.95E-09	0.00E+00	5.12E-09	1.77E-09	1.68E-09	0.00E+00	3.45E-09
4931	481557.78	3768777.36	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
4932	481548.76	3768780.98	1.723E-08	7.77E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.84E-08	3.13E-09	1.93E-09	0.00E+00	5.06E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
4933	481791.01	3768488.24	7.747E-08	3.49E-08	0.00E+00	1.12E-07	7.67E-08	5.08E-08	0.00E+00	1.27E-07	1.41E-08	8.66E-09	0.00E+00	2.27E-08	7.86E-09	7.47E-09	0.00E+00	1.53E-08
4934	481791.08	3768478.26	8.075E-08	3.64E-08	0.00E+00	1.17E-07	7.99E-08	5.30E-08	0.00E+00	1.33E-07	1.47E-08	9.02E-09	0.00E+00	2.37E-08	8.19E-09	7.79E-09	0.00E+00	1.60E-08
4935	481791.16	3768468.28	8.378E-08	3.78E-08	0.00E+00	1.22E-07	8.29E-08	5.50E-08	0.00E+00	1.38E-07	1.52E-08	9.36E-09	0.00E+00	2.46E-08	8.50E-09	8.08E-09	0.00E+00	1.66E-08
4936	481791.23	3768458.3	8.653E-08	3.90E-08	0.00E+00	1.26E-07	8.56E-08	5.68E-08	0.00E+00	1.42E-07	1.57E-08	9.67E-09	0.00E+00	2.54E-08	8.78E-09	8.35E-09	0.00E+00	1.71E-08
4937	481791.3	3768448.32	8.895E-08	4.01E-08	0.00E+00	1.29E-07	8.80E-08	5.84E-08	0.00E+00	1.46E-07	1.62E-08	9.94E-09	0.00E+00	2.61E-08	9.02E-09	8.58E-09	0.00E+00	1.76E-08
4938	481791.38	3768438.34	9.099E-08	4.10E-08	0.00E+00	1.32E-07	9.00E-08	5.97E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.23E-09	8.78E-09	0.00E+00	1.80E-08
4939	481791.45	3768428.36	9.269E-08	4.18E-08	0.00E+00	1.34E-07	9.17E-08	6.08E-08	0.00E+00	1.53E-07	1.68E-08	1.04E-08	0.00E+00	2.72E-08	9.40E-09	8.94E-09	0.00E+00	1.83E-08
4940	481791.52	3768418.38	9.398E-08	4.24E-08	0.00E+00	1.36E-07	9.30E-08	6.17E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.53E-09	9.07E-09	0.00E+00	1.86E-08
4941	481791.6	3768408.41	9.483E-08	4.28E-08	0.00E+00	1.38E-07	9.38E-08	6.22E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.62E-09	9.15E-09	0.00E+00	1.88E-08
4942	481791.67	3768398.43	9.511E-08	4.29E-08	0.00E+00	1.38E-07	9.41E-08	6.24E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.65E-09	9.18E-09	0.00E+00	1.88E-08
4943	481791.74	3768388.45	9.49E-08	4.28E-08	0.00E+00	1.38E-07	9.39E-08	6.23E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.63E-09	9.16E-09	0.00E+00	1.88E-08
4944	481781.77	3768572.48	4.857E-08	2.19E-08	0.00E+00	7.05E-08	4.81E-08	3.19E-08	0.00E+00	7.99E-08	8.83E-09	5.43E-09	0.00E+00	1.43E-08	4.93E-09	4.69E-09	0.00E+00	9.61E-09
4945	481766.75	3768607.88	3.909E-08	1.76E-08	0.00E+00	5.67E-08	3.87E-08	2.57E-08	0.00E+00	6.43E-08	7.10E-09	4.37E-09	0.00E+00	1.15E-08	3.97E-09	3.77E-09	0.00E+00	7.74E-09
4946	481762.99	3768616.73	3.877E-08	1.75E-08	0.00E+00	5.62E-08	3.84E-08	2.54E-08	0.00E+00	6.38E-08	7.04E-09	4.33E-09	0.00E+00	1.14E-08	3.93E-09	3.74E-09	0.00E+00	7.67E-09
4947	481759.24	3768625.58	3.474E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.31E-09	3.88E-09	0.00E+00	1.02E-08	3.52E-09	3.35E-09	0.00E+00	6.88E-09
4948	481755.48	3768634.43	3.263E-08	1.47E-08	0.00E+00	4.73E-08	3.23E-08	2.14E-08	0.00E+00	5.37E-08	5.93E-09	3.65E-09	0.00E+00	9.57E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
4949	481751.72	3768643.28	3.06E-08	1.38E-08	0.00E+00	4.44E-08	3.03E-08	2.01E-08	0.00E+00	5.04E-08	5.56E-09	3.42E-09	0.00E+00	8.98E-09	3.10E-09	2.95E-09	0.00E+00	6.06E-09
4950	481747.97	3768652.13	2.883E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.24E-09	3.22E-09	0.00E+00	8.46E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
4951	481744.21	3768660.98	2.724E-08	1.23E-08	0.00E+00	3.95E-08	2.70E-08	1.79E-08	0.00E+00	4.48E-08	4.95E-09	3.04E-09	0.00E+00	7.99E-09	2.76E-09	2.63E-09	0.00E+00	5.39E-09
4952	481740.46	3768669.83	2.578E-08	1.16E-08	0.00E+00	3.74E-08	2.55E-08	1.69E-08	0.00E+00	4.24E-08	4.68E-09	2.88E-09	0.00E+00	7.56E-09	2.61E-09	2.49E-09	0.00E+00	5.10E-09
4953	481736.7	3768678.68	2.44E-08	1.10E-08	0.00E+00	3.54E-08	2.41E-08	1.60E-08	0.00E+00	4.02E-08	4.43E-09	2.73E-09	0.00E+00	7.16E-09	2.47E-09	2.35E-09	0.00E+00	4.83E-09
4954	481732.94	3768687.53	2.306E-08	1.04E-08	0.00E+00	3.35E-08	2.28E-08	1.51E-08	0.00E+00	3.80E-08	4.19E-09	2.58E-09	0.00E+00	6.77E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
4955	481729.19	3768696.38	2.181E-08	9.84E-09	0.00E+00	3.16E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
4956	481725.43	3768705.24	2.063E-08	9.31E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.40E-08	3.75E-09	2.31E-09	0.00E+00	6.06E-09	2.09E-09	1.99E-09	0.00E+00	4.08E-09
4957	481721.67	3768714.09	1.961E-08	8.84E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
4958	481708.99	3768726.51	1.856E-08	8.37E-09	0.00E+00	2.69E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.37E-09	2.07E-09	0.00E+00	5.45E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
4959	481700.07	3768730.09	1.932E-08	8.71E-09	0.00E+00	2.80E-08	1.91E-08	1.27E-08	0.00E+00	3.18E-08	3.51E-09	2.16E-09	0.00E+00	5.67E-09	1.96E-09	1.86E-09	0.00E+00	3.82E-09
4960	481691.15	3768733.67	1.909E-08	8.61E-09	0.00E+00	2.77E-08	1.89E-08	1.25E-08	0.00E+00	3.14E-08	3.47E-09	2.13E-09	0.00E+00	5.60E-09	1.94E-09	1.84E-09	0.00E+00	3.78E-09
4961	481637.6	3768755.14	1.782E-08	8.03E-09	0.00E+00	2.59E-08	1.76E-08	1.17E-08	0.00E+00	2.93E-08	3.24E-09	1.99E-09	0.00E+00	5.23E-09	1.81E-09	1.72E-09	0.00E+00	3.53E-09
4962	481628.68	3768758.72	1.764E-08	7.95E-09	0.00E+00	2.56E-08	1.75E-08	1.16E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.18E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
4963	481619.75	3768762.3	1.746E-08	7.87E-09	0.00E+00	2.53E-08	1.73E-08	1.15E-08	0.00E+00	2.87E-08	3.17E-09	1.95E-09	0.00E+00	5.12E-09	1.77E-09	1.68E-09	0.00E+00	3.45E-09
4964	481610.83	3768765.88	1.728E-08	7.79E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.84E-08	3.14E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
4965	481601.91	3768769.46	1.712E-08	7.72E-09	0.00E+00	2.48E-08	1.69E-08	1.12E-08	0.00E+00	2.82E-08	3.11E-09	1.91E-09	0.00E+00	5.02E-09	1.74E-09	1.65E-09	0.00E+00	3.39E-09
4966	481592.98	3768773.03	1.697E-08	7.65E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.90E-09	0.00E+00	4.98E-09	1.72E-09	1.64E-09	0.00E+00	3.36E-09
4967	481584.06	3768776.61	1.682E-08	7.59E-09	0.00E+00	2.44E-08	1.66E-08	1.10E-08	0.00E+00	2.77E-08	3.06E-09	1.88E-09	0.00E+00	4.94E-09	1.71E-09	1.62E-09	0.00E+00	3.33E-09
4968	481575.14	3768780.19	1.669E-08	7.53E-09	0.00E+00	2.42E-08	1.65E-08	1.10E-08	0.00E+00	2.75E-08	3.03E-09	1.87E-09	0.00E+00	4.90E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
4969	481566.21	3768783.77	1.657E-08	7.47E-09	0.00E+00	2.40E-08	1.64E-08	1.09E-08	0.00E+00	2.73E-08	3.01E-09	1.85E-09	0.00E+00	4.86E-09	1.68E-09	1.60E-09	0.00E+00	3.28E-09
4970	481557.29	3768787.35	1.646E-08	7.42E-09	0.00E+00	2.39E-08	1.63E-08	1.08E-08	0.00E+00	2.71E-08	2.99E-09	1.84E-09	0.00E+00	4.83E-09	1.67E-09	1.59E-09	0.00E+00	3.26E-09
4971	481548.36	3768790.93	1.637E-08	7.38E-09	0.00E+00	2.37E-08	1.62E-08	1.07E-08	0.00E+00	2.69E-08	2.97E-09	1.83E-09	0.00E+00	4.80E-09	1.66E-09	1.58E-09	0.00E+00	3.24E-09
4972	481800.78	3768498.29	7.11E-08	3.21E-08	0.00E+00	1.03E-07	7.04E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.95E-09	0.00E+00	2.09E-08	7.21E-09	6.86E-09	0.00E+00	1.41E-08
4973	481800.85	3768488.31	7.437E-08	3.35E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.31E-09	0.00E+00	2.18E-08	7.54E-09	7.17E-09	0.00E+00	1.47E-08
4974	481800.92	3768478.33	7.746E-08	3.49E-08	0.00E+00	1.12E-07	7.67E-08	5.08E-08	0.00E+00	1.27E-07	1.41E-08	8.66E-09	0.00E+00	2.27E-08	7.86E-09	7.47E-09	0.00E+00	1.53E-08
4975	481801	3768468.35	8.033E-08	3.62E-08	0.00E+00	1.17E-07	7.95E-08	5.27E-08	0.00E+00	1.32E-07	1.46E-08	8.98E-09	0.00E+00	2.36E-08	8.15E-09	7.75E-09	0.00E+00	1.59E-08
4976	481801.07	3768458.37	8.294E-08	3.74E-08	0.00E+00	1.20E-07	8.21E-08	5.44E-08	0.00E+00	1.36E-07	1.51E-08	9.27E-09	0.00E+00	2.43E-08	8.41E-09	8.00E-09	0.00E+00	1.64E-08
4977	481801.14	3768448.39	8.524E-08	3.84E-08	0.00E+00	1.24E-07	8.43E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.53E-09	0.00E+00	2.50E-08	8.65E-09	8.22E-09	0.00E+00	1.69E-08
4978	481801.22	3768438.41	8.718E-08	3.93E-08	0.00E+00	1.26E-07	8.63E-08	5.72E-08	0.00E+00	1.43E-07	1.58E-08	9.74E-09	0.00E+00	2.56E-08	8.84E-09	8.41E-09	0.00E+00	1.73E-08
4979	481801.29	3768428.44	8.878E-08	4.00E-08	0.00E+00	1.29E-07	8.79E-08	5.83E-08	0.00E+00	1.46E-07	1.61E-08	9.92E-09	0.00E+00	2.61E-08	9.01E-09	8.56E-09	0.00E+00	1.76E-08
4980	481801.36	3768418.46	8.999E-08	4.06E-08	0.00E+00	1.31E-07	8.91E-08	5.91E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.64E-08	9.13E-09	8.68E-09	0.00E+00	1.78E-08
4981	481801.44	3768408.48	9.079E-08	4.09E-08	0.00E+00	1.32E-07	8.98E-08	5.96E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.21E-09	8.76E-09	0.00E+00	1.80E-08
4982	481801.51	3768398.5	9.113E-08	4.11E-08	0.00E+00	1.32E-07	9.02E-08	5.98E-08	0.00E+00	1.50E-07	1.66E-08	1.02E-08	0.00E+00	2.67E-08	9.24E-09	8.79E-09	0.00E+00	1.80E-08
4983	481801.58	3768388.52	9.102E-08	4.10E-08	0.00E+00	1.32E-07	9.01E-08	5.97E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.23E-09	8.78E-09	0.00E+00	1.80E-08
4984	481790.94	3768574.13	4.679E-08	2.11E-08	0.00E+00	6.79E-08	4.63E-08	3.07E-08	0.00E+00	7.70E-08	8.50E-09	5.23E-09	0.00E+00	1.37E-08	4.75E-09	4.51E-09	0.00E+00	9.26E-09
4985	481775.38	3768610.8	3.735E-08	1.68E-08	0.00E+00	5.42E-08	3.70E-08	2.45E-08	0.00E+00	6.15E-08	6.79E-09	4.17E-09	0.00E+00	1.10E-08	3.79E-09	3.60E-09	0.00E+00	7.39E-09
4986	481771.49	3768619.96	3.523E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
4987	481767.6	3768629.13	3.315E-08	1.49E-08	0.00E+00	4.81E-08	3.28E-08	2.18E-08	0.00E+00	5.46E-08	6.02E-09	3.70E-09	0.00E+00	9.73E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
4988

5010	481549.19	3768800.38	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.57E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
5011	481810.61	3768498.36	6.838E-08	3.08E-08	0.00E+00	9.92E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.64E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
5012	481810.69	3768488.38	7.146E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.89E-09	0.00E+00	1.41E-08
5013	481810.76	3768478.4	7.439E-08	3.35E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.31E-09	0.00E+00	2.18E-08	7.55E-09	7.18E-09	0.00E+00	1.47E-08
5014	481810.83	3768468.42	7.711E-08	3.48E-08	0.00E+00	1.12E-07	7.63E-08	5.06E-08	0.00E+00	1.27E-07	1.40E-08	8.62E-09	0.00E+00	2.26E-08	7.82E-09	7.44E-09	0.00E+00	1.53E-08
5015	481810.91	3768458.45	7.958E-08	3.59E-08	0.00E+00	1.15E-07	7.87E-08	5.22E-08	0.00E+00	1.31E-07	1.45E-08	8.89E-09	0.00E+00	2.34E-08	8.07E-09	7.68E-09	0.00E+00	1.57E-08
5016	481810.98	3768448.47	8.176E-08	3.69E-08	0.00E+00	1.19E-07	8.09E-08	5.37E-08	0.00E+00	1.35E-07	1.49E-08	9.14E-09	0.00E+00	2.40E-08	8.29E-09	7.89E-09	0.00E+00	1.62E-08
5017	481811.05	3768438.49	8.363E-08	3.77E-08	0.00E+00	1.21E-07	8.28E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.35E-09	0.00E+00	2.45E-08	8.48E-09	8.07E-09	0.00E+00	1.66E-08
5018	481811.13	3768428.51	8.514E-08	3.84E-08	0.00E+00	1.24E-07	8.42E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.52E-09	0.00E+00	2.50E-08	8.64E-09	8.21E-09	0.00E+00	1.68E-08
5019	481811.2	3768418.53	8.628E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
5020	481811.27	3768408.55	8.704E-08	3.93E-08	0.00E+00	1.26E-07	8.61E-08	5.71E-08	0.00E+00	1.43E-07	1.58E-08	9.73E-09	0.00E+00	2.55E-08	8.83E-09	8.40E-09	0.00E+00	1.72E-08
5021	481811.35	3768398.57	8.741E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.57E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
5022	481811.42	3768388.59	8.74E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.56E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
5023	481800.99	3768573.72	4.564E-08	2.06E-08	0.00E+00	6.62E-08	4.52E-08	3.00E-08	0.00E+00	7.51E-08	8.29E-09	5.10E-09	0.00E+00	1.34E-08	4.63E-09	4.40E-09	0.00E+00	9.03E-09
5024	481797.14	3768582.79	4.333E-08	1.95E-08	0.00E+00	6.29E-08	4.29E-08	2.84E-08	0.00E+00	7.13E-08	7.87E-09	4.84E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.58E-09
5025	481781.74	3768619.07	3.459E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.69E-08	6.29E-09	3.87E-09	0.00E+00	1.02E-08	3.51E-09	3.34E-09	0.00E+00	6.85E-09
5026	481777.89	3768628.14	3.264E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.37E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
5027	481774.04	3768637.21	3.078E-08	1.39E-08	0.00E+00	4.47E-08	3.05E-08	2.02E-08	0.00E+00	5.07E-08	5.59E-09	3.44E-09	0.00E+00	9.03E-09	3.12E-09	2.97E-09	0.00E+00	6.09E-09
5028	481770.19	3768646.28	2.898E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
5029	481766.34	3768655.36	2.733E-08	1.23E-08	0.00E+00	3.97E-08	2.70E-08	1.79E-08	0.00E+00	4.50E-08	4.97E-09	3.05E-09	0.00E+00	8.02E-09	2.77E-09	2.64E-09	0.00E+00	5.41E-09
5030	481762.49	3768664.43	2.579E-08	1.16E-08	0.00E+00	3.74E-08	2.55E-08	1.69E-08	0.00E+00	4.24E-08	4.69E-09	2.88E-09	0.00E+00	7.57E-09	2.62E-09	2.49E-09	0.00E+00	5.10E-09
5031	481758.64	3768673.5	2.436E-08	1.10E-08	0.00E+00	3.53E-08	2.41E-08	1.60E-08	0.00E+00	4.01E-08	4.43E-09	2.72E-09	0.00E+00	7.15E-09	2.47E-09	2.35E-09	0.00E+00	4.82E-09
5032	481754.79	3768682.57	2.303E-08	1.04E-08	0.00E+00	3.34E-08	2.28E-08	1.51E-08	0.00E+00	3.79E-08	4.19E-09	2.57E-09	0.00E+00	6.76E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
5033	481750.94	3768691.64	2.181E-08	9.83E-09	0.00E+00	3.16E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
5034	481747.09	3768700.71	2.068E-08	9.33E-09	0.00E+00	3.00E-08	2.05E-08	1.36E-08	0.00E+00	3.40E-08	3.76E-09	2.31E-09	0.00E+00	6.07E-09	2.10E-09	2.00E-09	0.00E+00	4.09E-09
5035	481743.24	3768709.78	1.963E-08	8.85E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.57E-09	2.19E-09	0.00E+00	5.76E-09	1.99E-09	1.89E-09	0.00E+00	3.89E-09
5036	481739.39	3768718.85	1.867E-08	8.42E-09	0.00E+00	2.71E-08	1.85E-08	1.23E-08	0.00E+00	3.07E-08	3.39E-09	2.09E-09	0.00E+00	5.48E-09	1.89E-09	1.80E-09	0.00E+00	3.70E-09
5037	481735.54	3768727.92	1.778E-08	8.02E-09	0.00E+00	2.58E-08	1.76E-08	1.17E-08	0.00E+00	2.93E-08	3.23E-09	1.99E-09	0.00E+00	5.22E-09	1.80E-09	1.72E-09	0.00E+00	3.52E-09
5038	481685.96	3768755.33	1.693E-08	7.64E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.89E-09	0.00E+00	4.97E-09	1.72E-09	1.63E-09	0.00E+00	3.35E-09
5039	481676.82	3768758.99	1.674E-08	7.55E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.75E-08	3.04E-09	1.87E-09	0.00E+00	4.91E-09	1.70E-09	1.61E-09	0.00E+00	3.31E-09
5040	481667.67	3768762.66	1.655E-08	7.46E-09	0.00E+00	2.40E-08	1.64E-08	1.09E-08	0.00E+00	2.72E-08	3.01E-09	1.85E-09	0.00E+00	4.86E-09	1.68E-09	1.60E-09	0.00E+00	3.28E-09
5041	481658.53	3768766.33	1.637E-08	7.38E-09	0.00E+00	2.38E-08	1.62E-08	1.07E-08	0.00E+00	2.69E-08	2.97E-09	1.83E-09	0.00E+00	4.80E-09	1.66E-09	1.58E-09	0.00E+00	3.24E-09
5042	481649.38	3768770	1.621E-08	7.31E-09	0.00E+00	2.35E-08	1.60E-08	1.06E-08	0.00E+00	2.67E-08	2.95E-09	1.81E-09	0.00E+00	4.76E-09	1.64E-09	1.56E-09	0.00E+00	3.21E-09
5043	481640.24	3768773.66	1.606E-08	7.24E-09	0.00E+00	2.33E-08	1.59E-08	1.05E-08	0.00E+00	2.64E-08	2.92E-09	1.79E-09	0.00E+00	4.71E-09	1.63E-09	1.55E-09	0.00E+00	3.18E-09
5044	481631.09	3768777.33	1.591E-08	7.17E-09	0.00E+00	2.31E-08	1.57E-08	1.04E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.61E-09	1.53E-09	0.00E+00	3.15E-09
5045	481621.94	3768781	1.576E-08	7.11E-09	0.00E+00	2.29E-08	1.56E-08	1.03E-08	0.00E+00	2.59E-08	2.86E-09	1.76E-09	0.00E+00	4.62E-09	1.60E-09	1.52E-09	0.00E+00	3.12E-09
5046	481612.8	3768784.66	1.562E-08	7.04E-09	0.00E+00	2.27E-08	1.55E-08	1.02E-08	0.00E+00	2.57E-08	2.84E-09	1.75E-09	0.00E+00	4.58E-09	1.58E-09	1.51E-09	0.00E+00	3.09E-09
5047	481603.65	3768788.33	1.548E-08	6.98E-09	0.00E+00	2.25E-08	1.53E-08	1.02E-08	0.00E+00	2.55E-08	2.81E-09	1.73E-09	0.00E+00	4.54E-09	1.57E-09	1.49E-09	0.00E+00	3.06E-09
5048	481594.51	3768792	1.535E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.72E-09	0.00E+00	4.51E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
5049	481585.36	3768795.67	1.523E-08	6.87E-09	0.00E+00	2.21E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.77E-09	1.70E-09	0.00E+00	4.47E-09	1.55E-09	1.47E-09	0.00E+00	3.01E-09
5050	481576.22	3768799.33	1.512E-08	6.82E-09	0.00E+00	2.19E-08	1.50E-08	9.92E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.53E-09	1.46E-09	0.00E+00	2.99E-09
5051	481567.07	3768803	1.502E-08	6.77E-09	0.00E+00	2.18E-08	1.49E-08	9.86E-09	0.00E+00	2.47E-08	2.73E-09	1.68E-09	0.00E+00	4.41E-09	1.52E-09	1.45E-09	0.00E+00	2.97E-09
5052	481557.92	3768806.67	1.494E-08	6.74E-09	0.00E+00	2.17E-08	1.48E-08	9.80E-09	0.00E+00	2.46E-08	2.71E-09	1.67E-09	0.00E+00	4.38E-09	1.51E-09	1.44E-09	0.00E+00	2.96E-09
5053	481548.78	3768810.34	1.486E-08	6.70E-09	0.00E+00	2.16E-08	1.47E-08	9.75E-09	0.00E+00	2.45E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
5054	481820.31	3768518.39	5.985E-08	2.70E-08	0.00E+00	8.68E-08	5.92E-08	3.93E-08	0.00E+00	9.85E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.77E-09	0.00E+00	1.18E-08
5055	481820.38	3768508.41	6.288E-08	2.84E-08	0.00E+00	9.12E-08	6.22E-08	4.13E-08	0.00E+00	1.03E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
5056	481820.45	3768498.43	6.586E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.35E-09	0.00E+00	1.30E-08
5057	481820.53	3768488.45	6.876E-08	3.10E-08	0.00E+00	9.98E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.69E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
5058	481820.6	3768478.48	7.151E-08	3.23E-08	0.00E+00	1.04E-07	7.08E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.42E-08
5059	481820.67	3768468.5	7.407E-08	3.34E-08	0.00E+00	1.07E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.28E-09	0.00E+00	2.17E-08	7.51E-09	7.15E-09	0.00E+00	1.47E-08
5060	481820.75	3768458.52	7.641E-08	3.45E-08	0.00E+00	1.11E-07	7.56E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.54E-09	0.00E+00	2.24E-08	7.75E-09	7.37E-09	0.00E+00	1.51E-08
5061	481820.82	3768448.54	7.849E-08	3.54E-08	0.00E+00	1.14E-07	7.77E-08	5.15E-08	0.00E+00	1.29E-07	1.43E-08	8.77E-09	0.00E+00	2.30E-08	7.96E-09	7.57E-09	0.00E+00	1.55E-08
5062	481820.89	3768438.56	8.029E-08	3.62E-08	0.00E+00	1.17E-07	7.95E-08	5.27E-08	0.00E+00	1.32E-07	1.46E-08	8.97E-09	0.00E+00	2.36E-08	8.14E-09	7.75E-09	0.00E+00	1.59E-08
5063	481820.97	3768428.58	8.175E-08	3.69E-08	0.00E+00	1.19E-07	8.09E-08	5.36E-08	0.00E+00	1.35E-07	1.49E-08	9.14E-09	0.00E+00	2.40E-08	8.29E-09	7.89E-09	0.00E+00	1.62E-08
5064	481821.04	3768418.6	8.286E-08	3.74E-08	0.00E+00	1.20E-07	8.20E-08	5.44E-08	0.00E+00	1.36E-07	1.51E-08	9.26E-09	0.00E+00	2.43E-08	8.41E-09	7.99E-09	0.00E+00	1.64E-08
5065	481821.11	3768408.62	8.362E-08	3.77E-08	0.00E+00	1.21E-07	8.27E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.35E-09	0.00E+00	2.45E-08	8.48E-09	8.07E-09	0.00E+00	1.65E-08
5066	481821.19	3768398.64	8.401E-08	3.79E-08	0.00E+00	1.22E-07	8.31E-08	5.51E-08	0.00E+00	1.38E-07	1.53E-08	9.39E-09	0.00E+00	2.47E-08	8.52E-09	8.10E-09	0.00E+00	1.66E-08
5067	481821.26	3768388.67	8.403E-08	3.79E-08	0.00E+00	1.22E-07	8.32E-08	5.51E-08	0.00E+00	1.38E-07	1.53E-08	9.39E-09	0.00E+00	2.47E-08	8.52E-09	8.11E-09	0.00E+00	1.66E-08
5068	481826.26	3768537.42	5.289E-08	2.39E-08	0.00E+00	7.67E-08	5.23E-08	3.47E-08	0.00E+00	8.71E-08	9.61E-09	5.91E-09	0.00E+00	1.55E-08	5.37E-09	5.10E-09	0.00E+00	1.05E-08
5069	481822.45	3768546.41	5.084E-08	2.29E-08	0.00E+00	7.38E-08	5.03E-08	3.34E-08	0.00E+00	8.37E-08	9.24E-09	5.68E-09	0.00E+00	1.49E-08	5.16E-09	4.90E-09	0.00E+00	1.01E-08
5070	481818.64	3768555.39	4.875E-08	2.20E-08	0.00E+00	7.07E-08	4.82E-08	3.20E-08	0.00E+00	8.02E-08	8.86E-09	5.45E-09	0.00E+00	1.43E-08	4.95E-09	4.70E-09	0.00E+00	9.65E-09
5071	481807.2	3768582.34	4.235E-08	1.91E-08	0.00E+00	6.14E-08	4.19E-08	2.78E-08	0.00E+00	6.97E-08	7.69E-09	4.73E-09	0.00E+00	1.24E-08	4.30E-09	4.09E-09	0.00E+00	8.38E-09
5072	481791.95	3768618.26	3.409E-08	1.54E-08	0.00E+00	4.95E-08	3.37E-08	2.24E-08	0.00E+00	5.61E-08	6.19E-09	3.81E-09	0.00E+00	1.00E-08	3.46E-09	3.29E-09	0.00E+00	6.75E-09
5073	481788.14	3768627.25	3.22E-08	1.45E-08	0.00E+00	4.67E-08	3.19E-08	2.11E-08	0.00E+00	5.30E-08	5.85E-09	3.60E-09	0.00E+00	9.45E-09	3.27E-09	3.11E-09	0.00E+00	6.37E-09
5074	481784.33	3768636.23	3.041E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	2.00E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.02E-09
5075	481780.51	3768645.21	2.871E-08	1.29E-08	0.00E+00	4.17E-08	2.84E-08	1.88E-08	0.00E+00	4.73E-08	5.22E-09	3.21E-09	0.00E+00	8.43E-09	2.91E-09	2.77E-09	0.00E+00	5.68E-09
5076	481776.7	3768654.19	2.712E-08	1.22E-08	0.00E+00	3.93E-08	2.68E-08	1.78E-08	0.00E+00	4.46E-08	4.93E-09	3.03E-09	0.00E+00	7.96E-09	2.75E-09	2.62E-09	0.00E+00	5.37E-09
5077	481772.89	3768663.18	2.562E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.86E-09	0.00E+00	7.52E-09	2.60E-09	2.47E-09	0.00E+00	5.07E-09
5078	481769.08	3768672.16	2.423E-08	1.09E-08	0.00E+00	3.52E-08	2.40E-08	1.59E-08	0.00E+00	3.99E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.80E-09
5079	481765.26	3768681.14	2.293E-08	1.03E-08	0.00E+00	3.33E-08	2.27E-08	1.50E-08	0.00E+00	3.77E-08	4.17E-09	2.56E-09	0.00E+00	6.73E-09	2.33E-09	2.21E-09	0.00E+00	4.54E-09
5080	481761.45	3768690.12	2.173E-08	9.80E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.38E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
5081	481757.64	3768699.1	2.062E-08	9.30E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.75E-09	2.30E-09	0.00E+00	6.05E-09	2.09E-09	1.99E-09	0.00E+00	4.08E-09
5082	481753.83	3768708.09	1.959E-08	8.83E-09	0.00E+00	2.84E-08	1.94E-08	1.29E-08	0.00E+00	3.22E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
5083	481750.02	3768717.07	1.864E-08	8.41E-09	0.00E+00	2.71E-08	1.84E-08	1.22E-08	0.00E+00	3.07E-08	3.39E-09	2.08E-09	0.00E+00	5.47E-09	1.89E-09	1.80E-09	0.00E+00	3.69E-09
5084	481746.2	3768726.05	1.777E-08	8.01E-09	0.00E+00	2.58E-08	1.76E-08	1.17E-08	0.00E+00	2.92E-08	3.23E-09	1.99E-09	0.00E+00	5.21E-09	1.80E-09	1.71E-09	0.00E+00	3.52E-09
5085	481742.39	3768735.03	1.695E-08	7.65E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.89E-09	0.00E+00	4.98E-09	1.72E-09	1.64E-09	0.00E+00	3.36E-09
5086	481711.41	3768754.91	1.579E-08	7.12E-09	0.00E+00	2.29E-08	1.56E-08	1.04E-08	0.00E+00	2.60E-08	2.87E-09	1.76E-09	0.00E+00	4.63E-09	1.60E-09	1.52E-09	0.00E+00	3.12E-09
5087	481702.35	3768758.54	1.636E-08	7.38E-09	0.00E+00	2.37E-08	1.62E-08	1.07E-08	0.00E+00	2.69E-08	2.97E-09	1.83E-09	0.00E+00	4.80E-09	1.66E-09	1.58E-09	0.00E+00	3.24E-09
5088	481693.3	3768762.17	1.619E-08	7.30E-09	0.00E+00	2.35E-08	1.60E-08	1.06E-08	0.00E+00	2.66E-08	2.94E-09	1.81E-09	0.00E+00	4.75E-09	1.64E-09	1.56E-09	0.00E+00	3.20E-09
5089	481684.24	3768765.81	1.602E-08	7.22E-09	0.00E+00	2.32E-08	1.58E-08	1.05E-08	0.00E+00	2.64E-08	2.91E-09	1.79E-09	0.00E+00	4.70E-09	1.62E-09	1.55E-09	0.00E+00	3.17E-09
5090	481675.18	3768769.44	1.584E-08	7.15E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.65E-09	1.61E-09	1.53E-09	0.00E+00	3.14E-09
5091	481666.13	3768773.07	1.568E-08	7.07E-09	0.00E+00	2.27E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.60E-09	1.59E-09	1.51E-09	0.00E+00	3.10E-09
5092	481657.07	3768776.7	1.552E-08	7.00E-09	0.00E+00	2.25E-08	1.54E-08	1.02E-08	0.00E+00	2.55E-08	2.82E-09	1.73E-09	0.00E+00	4.56E-09	1.57E-09	1.50E-09	0.00E+00	3.07E-09
5093	481648.01	3768780.33	1.538E-08	6.94E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.72E-09	0.00E+00	4.51E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
5094	481638.96	3768783.96	1.524E-08	6.87E-09	0.00E+00	2.21E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.77E-09	1.70E-09	0.00E+00	4.47E-09	1.55E-09	1.47E-09	0.00E+00	3.02E-09
5095	481629.9	3768787.6	1.511E-08	6.82E-09	0.00E+00	2.19E-08	1.50E-08	9.92E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.53E-09	1.46E-09	0.00E+00	2.99E-09
5096	481620.84	3768791.23	1.498E-08	6.76E-09	0.00E+00	2.17E-08	1.48E-08	9.83E-09	0.00E+00	2.47E-08	2.72E-09	1.67E-09	0.00E+00	4.40E-09	1.52E-09	1.45E-09	0.00E+00	2.96E-09
5097	481611.78	3768794.86	1.485E-08	6.70E-09	0.00E+00	2.15E-08	1.47E-08	9.75E-09	0.00E+00	2.44E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
5098	481602.73	3768798.49	1.473E-08	6.64E-09	0.00E+00	2.14E-08	1.46E-08	9.67E-09	0.00E+00	2.42E-08	2.68E-09	1.65E-09	0.00E+00	4.32E-09	1.49E-09	1.42E-09	0.00E+00	2.92E-09
5099	481593.67	3768802.12	1.462E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.59E-09	0.00E+00	2.41E-08	2.66E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
5100	481584.61	3768805.75	1.451E-08	6.55E-09	0.00E+00	2.11E-08	1.44E-08	9.52E-09	0.00E+00	2.39E-08	2.64E-09	1.62E-09	0.00E+00	4.26E-09	1.47E-09	1.40E-09	0.00E+00	2.87E-09
5101	481575.56	3768809.39	1.441E-08	6.50E-09	0.00E+00	2.09E-08	1.43E-08	9.46E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.85E-09
5102	481566.5	3768813.02	1.433E-08	6.46E-09	0.00E+00	2.08E-08	1.42E-08	9.40E-09	0.00E+00	2.36E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.84E-09
5103	481557.44	3768816.65	1.425E-08	6.43E-09	0.00E+00	2.07E-08	1.41E-08	9.35E-09	0.00E+00	2.35E-08	2.59E-09	1.59E-09	0.00E+00	4.18E-09	1.45E-09	1.37E-09	0.00E+00	2.82E-09
5104	481548.39	3768820.28	1.418E-08	6.40E-09	0.00E+00	2.06E-08	1.40E-08	9.31E-09	0.00E+00	2.33E-08	2.58E-09	1.59E-09	0.00E+00	4.16E-09	1.44E-09	1.37E-09	0.00E+00	2.81E-09
5105	481830.07	3768528.44	5.487E-08	2.47E-08	0.00E+00	7.96E-08	5.43E-08	3.60E-08	0.00E+00	9.03E-08	9.97E-09	6.13E-09	0.00E+00	1.61E-08	5.57E-09	5.29E-09	0.00E+00	1.09E-08
5106	481

5128	481813.69	3768637.94	2.854E-08	1.29E-08	0.00E+00	4.14E-08	2.82E-08	1.87E-08	0.00E+00	4.70E-08	5.19E-09	3.19E-09	0.00E+00	8.37E-09	2.89E-09	2.75E-09	0.00E+00	5.65E-09
5129	481809.82	3768647.05	2.7E-08	1.22E-08	0.00E+00	3.92E-08	2.67E-08	1.77E-08	0.00E+00	4.44E-08	4.91E-09	3.02E-09	0.00E+00	7.92E-09	2.74E-09	2.61E-09	0.00E+00	5.34E-09
5130	481805.96	3768656.16	2.545E-08	1.15E-08	0.00E+00	3.69E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.62E-09	2.84E-09	0.00E+00	7.47E-09	2.58E-09	2.45E-09	0.00E+00	5.04E-09
5131	481802.09	3768665.26	2.402E-08	1.08E-08	0.00E+00	3.49E-08	2.38E-08	1.58E-08	0.00E+00	3.95E-08	4.36E-09	2.68E-09	0.00E+00	7.05E-09	2.44E-09	2.32E-09	0.00E+00	4.75E-09
5132	481798.23	3768674.37	2.272E-08	1.02E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.67E-09	2.30E-09	2.19E-09	0.00E+00	4.50E-09
5133	481794.36	3768683.48	2.157E-08	9.73E-09	0.00E+00	3.13E-08	2.13E-08	1.42E-08	0.00E+00	3.55E-08	3.92E-09	2.41E-09	0.00E+00	6.33E-09	2.19E-09	2.08E-09	0.00E+00	4.27E-09
5134	481790.5	3768692.59	2.052E-08	9.25E-09	0.00E+00	2.98E-08	2.03E-08	1.35E-08	0.00E+00	3.38E-08	3.73E-09	2.29E-09	0.00E+00	6.02E-09	2.08E-09	1.98E-09	0.00E+00	4.06E-09
5135	481786.63	3768701.69	1.953E-08	8.81E-09	0.00E+00	2.83E-08	1.93E-08	1.28E-08	0.00E+00	3.21E-08	3.55E-09	2.18E-09	0.00E+00	5.73E-09	1.98E-09	1.88E-09	0.00E+00	3.87E-09
5136	481782.77	3768710.8	1.858E-08	8.38E-09	0.00E+00	2.70E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.38E-09	2.08E-09	0.00E+00	5.45E-09	1.88E-09	1.79E-09	0.00E+00	3.68E-09
5137	481778.9	3768719.91	1.764E-08	7.95E-09	0.00E+00	2.56E-08	1.75E-08	1.16E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.18E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
5138	481775.04	3768729.01	1.678E-08	7.57E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.76E-08	3.05E-09	1.88E-09	0.00E+00	4.92E-09	1.70E-09	1.62E-09	0.00E+00	3.32E-09
5139	481763.44	3768756.33	1.472E-08	6.64E-09	0.00E+00	2.14E-08	1.46E-08	9.66E-09	0.00E+00	2.42E-08	2.67E-09	1.64E-09	0.00E+00	4.32E-09	1.49E-09	1.42E-09	0.00E+00	2.91E-09
5140	481750.4	3768769.12	1.406E-08	6.34E-09	0.00E+00	2.04E-08	1.39E-08	9.22E-09	0.00E+00	2.31E-08	2.55E-09	1.57E-09	0.00E+00	4.12E-09	1.43E-09	1.36E-09	0.00E+00	2.78E-09
5141	481741.21	3768772.8	1.393E-08	6.28E-09	0.00E+00	2.02E-08	1.38E-08	9.14E-09	0.00E+00	2.29E-08	2.53E-09	1.56E-09	0.00E+00	4.09E-09	1.41E-09	1.34E-09	0.00E+00	2.76E-09
5142	481732.03	3768776.49	1.381E-08	6.23E-09	0.00E+00	2.00E-08	1.37E-08	9.06E-09	0.00E+00	2.27E-08	2.51E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
5143	481722.85	3768780.17	1.369E-08	6.17E-09	0.00E+00	1.99E-08	1.35E-08	8.98E-09	0.00E+00	2.25E-08	2.49E-09	1.53E-09	0.00E+00	4.02E-09	1.39E-09	1.32E-09	0.00E+00	2.71E-09
5144	481713.67	3768783.85	1.361E-08	6.14E-09	0.00E+00	1.97E-08	1.35E-08	8.93E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
5145	481704.48	3768787.53	1.354E-08	6.10E-09	0.00E+00	1.96E-08	1.34E-08	8.88E-09	0.00E+00	2.23E-08	2.46E-09	1.51E-09	0.00E+00	3.97E-09	1.37E-09	1.31E-09	0.00E+00	2.68E-09
5146	481695.3	3768791.21	1.392E-08	6.28E-09	0.00E+00	2.02E-08	1.38E-08	9.13E-09	0.00E+00	2.29E-08	2.53E-09	1.56E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
5147	481686.12	3768794.9	1.379E-08	6.22E-09	0.00E+00	2.00E-08	1.36E-08	9.05E-09	0.00E+00	2.27E-08	2.51E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
5148	481676.94	3768798.58	1.366E-08	6.16E-09	0.00E+00	1.98E-08	1.35E-08	8.96E-09	0.00E+00	2.25E-08	2.48E-09	1.53E-09	0.00E+00	4.01E-09	1.39E-09	1.32E-09	0.00E+00	2.70E-09
5149	481667.76	3768802.26	1.353E-08	6.10E-09	0.00E+00	1.96E-08	1.34E-08	8.88E-09	0.00E+00	2.23E-08	2.46E-09	1.51E-09	0.00E+00	3.97E-09	1.37E-09	1.31E-09	0.00E+00	2.68E-09
5150	481658.57	3768805.94	1.341E-08	6.05E-09	0.00E+00	1.95E-08	1.33E-08	8.80E-09	0.00E+00	2.21E-08	2.44E-09	1.50E-09	0.00E+00	3.94E-09	1.36E-09	1.29E-09	0.00E+00	2.65E-09
5151	481649.39	3768809.62	1.33E-08	6.00E-09	0.00E+00	1.93E-08	1.32E-08	8.73E-09	0.00E+00	2.19E-08	2.42E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
5152	481640.21	3768813.31	1.319E-08	5.95E-09	0.00E+00	1.91E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.47E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
5153	481631.03	3768816.99	1.309E-08	5.90E-09	0.00E+00	1.90E-08	1.30E-08	8.59E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5154	481621.84	3768820.67	1.299E-08	5.86E-09	0.00E+00	1.89E-08	1.29E-08	8.53E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.81E-09	1.32E-09	1.25E-09	0.00E+00	2.57E-09
5155	481612.66	3768824.35	1.29E-08	5.82E-09	0.00E+00	1.87E-08	1.28E-08	8.47E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.79E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
5156	481603.48	3768828.03	1.282E-08	5.78E-09	0.00E+00	1.86E-08	1.27E-08	8.41E-09	0.00E+00	2.11E-08	2.33E-09	1.43E-09	0.00E+00	3.76E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
5157	481594.3	3768831.72	1.274E-08	5.74E-09	0.00E+00	1.85E-08	1.26E-08	8.36E-09	0.00E+00	2.10E-08	2.31E-09	1.42E-09	0.00E+00	3.74E-09	1.29E-09	1.23E-09	0.00E+00	2.52E-09
5158	481585.11	3768835.4	1.266E-08	5.71E-09	0.00E+00	1.84E-08	1.25E-08	8.31E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.51E-09
5159	481575.93	3768839.08	1.258E-08	5.68E-09	0.00E+00	1.83E-08	1.25E-08	8.26E-09	0.00E+00	2.07E-08	2.29E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5160	481566.75	3768842.76	1.252E-08	5.65E-09	0.00E+00	1.82E-08	1.24E-08	8.21E-09	0.00E+00	2.06E-08	2.27E-09	1.40E-09	0.00E+00	3.67E-09	1.27E-09	1.21E-09	0.00E+00	2.48E-09
5161	481557.57	3768846.45	1.246E-08	5.62E-09	0.00E+00	1.81E-08	1.23E-08	8.18E-09	0.00E+00	2.05E-08	2.26E-09	1.39E-09	0.00E+00	3.66E-09	1.26E-09	1.20E-09	0.00E+00	2.47E-09
5162	481548.39	3768850.13	1.241E-08	5.60E-09	0.00E+00	1.80E-08	1.23E-08	8.14E-09	0.00E+00	2.04E-08	2.26E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
5163	481860.07	3768528.66	4.961E-08	2.24E-08	0.00E+00	7.20E-08	4.91E-08	3.26E-08	0.00E+00	8.16E-08	9.01E-09	5.54E-09	0.00E+00	1.46E-08	5.03E-09	4.79E-09	0.00E+00	9.82E-09
5164	481860.14	3768518.68	5.211E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.58E-08	9.47E-09	5.82E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
5165	481860.22	3768508.7	5.459E-08	2.46E-08	0.00E+00	7.92E-08	5.40E-08	3.58E-08	0.00E+00	8.98E-08	9.92E-09	6.10E-09	0.00E+00	1.60E-08	5.54E-09	5.27E-09	0.00E+00	1.08E-08
5166	481860.29	3768498.73	5.701E-08	2.57E-08	0.00E+00	8.27E-08	5.64E-08	3.74E-08	0.00E+00	9.38E-08	1.04E-08	6.37E-09	0.00E+00	1.67E-08	5.78E-09	5.50E-09	0.00E+00	1.13E-08
5167	481860.36	3768488.75	5.933E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.76E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.72E-09	0.00E+00	1.17E-08
5168	481860.44	3768478.77	6.154E-08	2.78E-08	0.00E+00	8.93E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.24E-09	5.94E-09	0.00E+00	1.22E-08
5169	481860.51	3768468.79	6.36E-08	2.87E-08	0.00E+00	9.23E-08	6.29E-08	4.17E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
5170	481860.58	3768458.81	6.55E-08	2.95E-08	0.00E+00	9.50E-08	6.48E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.32E-09	0.00E+00	1.92E-08	6.64E-09	6.32E-09	0.00E+00	1.30E-08
5171	481860.66	3768448.83	6.719E-08	3.03E-08	0.00E+00	9.75E-08	6.65E-08	4.41E-08	0.00E+00	1.11E-07	1.22E-08	7.51E-09	0.00E+00	1.97E-08	6.82E-09	6.48E-09	0.00E+00	1.33E-08
5172	481860.73	3768438.85	6.868E-08	3.10E-08	0.00E+00	9.96E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.68E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
5173	481886.29	3768537.78	4.381E-08	1.98E-08	0.00E+00	6.36E-08	4.33E-08	2.87E-08	0.00E+00	7.21E-08	7.96E-09	4.90E-09	0.00E+00	1.29E-08	4.44E-09	4.23E-09	0.00E+00	8.67E-09
5174	481882.52	3768546.67	4.234E-08	1.91E-08	0.00E+00	6.14E-08	4.19E-08	2.78E-08	0.00E+00	6.97E-08	7.69E-09	4.73E-09	0.00E+00	1.24E-08	4.29E-09	4.08E-09	0.00E+00	8.38E-09
5175	481878.74	3768555.57	4.085E-08	1.84E-08	0.00E+00	5.93E-08	4.04E-08	2.68E-08	0.00E+00	6.72E-08	7.42E-09	4.57E-09	0.00E+00	1.20E-08	4.14E-09	3.94E-09	0.00E+00	8.08E-09
5176	481874.97	3768564.47	3.932E-08	1.77E-08	0.00E+00	5.71E-08	3.89E-08	2.58E-08	0.00E+00	6.47E-08	7.14E-09	4.39E-09	0.00E+00	1.15E-08	3.99E-09	3.79E-09	0.00E+00	7.78E-09
5177	481871.19	3768573.36	3.775E-08	1.70E-08	0.00E+00	5.48E-08	3.74E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
5178	481867.42	3768582.26	3.615E-08	1.63E-08	0.00E+00	5.25E-08	3.58E-08	2.37E-08	0.00E+00	5.95E-08	6.57E-09	4.04E-09	0.00E+00	1.06E-08	3.67E-09	3.49E-09	0.00E+00	7.15E-09
5179	481863.64	3768591.15	3.461E-08	1.56E-08	0.00E+00	5.02E-08	3.43E-08	2.27E-08	0.00E+00	5.70E-08	6.29E-09	3.87E-09	0.00E+00	1.02E-08	3.51E-09	3.34E-09	0.00E+00	6.85E-09
5180	481844.76	3768635.63	2.745E-08	1.24E-08	0.00E+00	3.98E-08	2.72E-08	1.80E-08	0.00E+00	4.52E-08	4.99E-09	3.07E-09	0.00E+00	8.06E-09	2.78E-09	2.65E-09	0.00E+00	5.43E-09
5181	481840.99	3768644.53	2.609E-08	1.18E-08	0.00E+00	3.79E-08	2.58E-08	1.71E-08	0.00E+00	4.29E-08	4.74E-09	2.92E-09	0.00E+00	7.66E-09	2.65E-09	2.52E-09	0.00E+00	5.16E-09
5182	481837.21	3768653.43	2.471E-08	1.11E-08	0.00E+00	3.58E-08	2.44E-08	1.62E-08	0.00E+00	4.07E-08	4.49E-09	2.76E-09	0.00E+00	7.25E-09	2.51E-09	2.38E-09	0.00E+00	4.89E-09
5183	481833.44	3768662.32	2.337E-08	1.05E-08	0.00E+00	3.39E-08	2.31E-08	1.53E-08	0.00E+00	3.85E-08	4.25E-09	2.61E-09	0.00E+00	6.86E-09	2.37E-09	2.25E-09	0.00E+00	4.63E-09
5184	481829.66	3768671.22	2.211E-08	9.97E-09	0.00E+00	3.21E-08	2.19E-08	1.45E-08	0.00E+00	3.64E-08	4.02E-09	2.47E-09	0.00E+00	6.49E-09	2.24E-09	2.13E-09	0.00E+00	4.38E-09
5185	481825.89	3768680.11	2.097E-08	9.46E-09	0.00E+00	3.04E-08	2.08E-08	1.38E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.13E-09	2.02E-09	0.00E+00	4.15E-09
5186	481822.11	3768689.01	1.996E-08	9.00E-09	0.00E+00	2.90E-08	1.97E-08	1.31E-08	0.00E+00	3.28E-08	3.63E-09	2.23E-09	0.00E+00	5.86E-09	2.02E-09	1.93E-09	0.00E+00	3.95E-09
5187	481818.33	3768697.9	1.901E-08	8.57E-09	0.00E+00	2.76E-08	1.88E-08	1.25E-08	0.00E+00	3.13E-08	3.45E-09	2.12E-09	0.00E+00	5.58E-09	1.93E-09	1.83E-09	0.00E+00	3.76E-09
5188	481814.56	3768706.8	1.812E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
5189	481810.78	3768715.7	1.729E-08	7.80E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.85E-08	3.14E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
5190	481807.01	3768724.59	1.653E-08	7.46E-09	0.00E+00	2.40E-08	1.64E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.68E-09	1.59E-09	0.00E+00	3.27E-09
5191	481803.23	3768733.49	1.581E-08	7.13E-09	0.00E+00	2.29E-08	1.56E-08	1.04E-08	0.00E+00	2.60E-08	2.87E-09	1.77E-09	0.00E+00	4.64E-09	1.60E-09	1.52E-09	0.00E+00	3.13E-09
5192	481791.91	3768760.18	1.393E-08	6.28E-09	0.00E+00	2.02E-08	1.38E-08	9.14E-09	0.00E+00	2.29E-08	2.53E-09	1.56E-09	0.00E+00	4.09E-09	1.41E-09	1.34E-09	0.00E+00	2.76E-09
5193	481788.13	3768769.07	1.339E-08	6.04E-09	0.00E+00	1.94E-08	1.32E-08	8.78E-09	0.00E+00	2.20E-08	2.43E-09	1.50E-09	0.00E+00	3.93E-09	1.36E-09	1.29E-09	0.00E+00	2.65E-09
5194	481784.35	3768777.97	1.288E-08	5.81E-09	0.00E+00	1.87E-08	1.27E-08	8.45E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.78E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
5195	481771.61	3768790.46	1.235E-08	5.57E-09	0.00E+00	1.79E-08	1.22E-08	8.11E-09	0.00E+00	2.03E-08	2.24E-09	1.38E-09	0.00E+00	3.62E-09	1.25E-09	1.19E-09	0.00E+00	2.44E-09
5196	481762.64	3768794.06	1.229E-08	5.54E-09	0.00E+00	1.78E-08	1.22E-08	8.07E-09	0.00E+00	2.02E-08	2.23E-09	1.37E-09	0.00E+00	3.61E-09	1.25E-09	1.19E-09	0.00E+00	2.43E-09
5197	481753.67	3768797.65	1.223E-08	5.52E-09	0.00E+00	1.78E-08	1.21E-08	8.03E-09	0.00E+00	2.01E-08	2.22E-09	1.37E-09	0.00E+00	3.59E-09	1.24E-09	1.18E-09	0.00E+00	2.42E-09
5198	481744.7	3768801.25	1.214E-08	5.48E-09	0.00E+00	1.76E-08	1.20E-08	7.97E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.56E-09	1.23E-09	1.17E-09	0.00E+00	2.40E-09
5199	481735.73	3768804.85	1.205E-08	5.43E-09	0.00E+00	1.75E-08	1.19E-08	7.91E-09	0.00E+00	1.98E-08	2.19E-09	1.35E-09	0.00E+00	3.54E-09	1.22E-09	1.16E-09	0.00E+00	2.38E-09
5200	481726.76	3768808.44	1.197E-08	5.40E-09	0.00E+00	1.74E-08	1.18E-08	7.85E-09	0.00E+00	1.97E-08	2.17E-09	1.34E-09	0.00E+00	3.51E-09	1.21E-09	1.15E-09	0.00E+00	2.37E-09
5201	481717.79	3768812.04	1.189E-08	5.36E-09	0.00E+00	1.73E-08	1.18E-08	7.80E-09	0.00E+00	1.96E-08	2.16E-09	1.33E-09	0.00E+00	3.49E-09	1.21E-09	1.15E-09	0.00E+00	2.35E-09
5202	481708.82	3768815.64	1.182E-08	5.33E-09	0.00E+00	1.71E-08	1.17E-08	7.76E-09	0.00E+00	1.94E-08	2.15E-09	1.32E-09	0.00E+00	3.47E-09	1.20E-09	1.14E-09	0.00E+00	2.34E-09
5203	481699.85	3768819.24	1.174E-08	5.29E-09	0.00E+00	1.70E-08	1.16E-08	7.70E-09	0.00E+00	1.93E-08	2.13E-09	1.31E-09	0.00E+00	3.44E-09	1.19E-09	1.13E-09	0.00E+00	2.32E-09
5204	481690.88	3768822.83	1.165E-08	5.25E-09	0.00E+00	1.69E-08	1.15E-08	7.64E-09	0.00E+00	1.92E-08	2.12E-09	1.30E-09	0.00E+00	3.42E-09	1.18E-09	1.12E-09	0.00E+00	2.31E-09
5205	481681.91	3768826.43	1.158E-08	5.22E-09	0.00E+00	1.68E-08	1.15E-08	7.60E-09	0.00E+00	1.91E-08	2.10E-09	1.29E-09	0.00E+00	3.40E-09	1.17E-09	1.12E-09	0.00E+00	2.29E-09
5206	481672.94	3768830.03	1.186E-08	5.35E-09	0.00E+00	1.72E-08	1.17E-08	7.79E-09	0.00E+00	1.95E-08	2.16E-09	1.33E-09	0.00E+00	3.48E-09	1.20E-09	1.14E-09	0.00E+00	2.35E-09
5207	481663.97	3768833.62	1.178E-08	5.31E-09	0.00E+00	1.71E-08	1.17E-08	7.73E-09	0.00E+00	1.94E-08	2.14E-09	1.32E-09	0.00E+00	3.46E-09	1.20E-09	1.14E-09	0.00E+00	2.33E-09
5208	481655	3768837.22	1.17E-08	5.27E-09	0.00E+00	1.70E-08	1.16E-08	7.68E-09	0.00E+00	1.93E-08	2.13E-09	1.31E-09	0.00E+00	3.43E-09	1.19E-09	1.13E-09	0.00E+00	2.31E-09
5209	481646.03	3768840.82	1.161E-08	5.24E-09	0.00E+00	1.69E-08	1.15E-08	7.62E-09	0.00E+00	1.91E-08	2.11E-09	1.30E-09	0.00E+00	3.41E-09	1.18E-09	1.12E-09	0.00E+00	2.30E-09
5210	481637.06	3768844.41	1.153E-08	5.20E-09	0.00E+00	1.67E-08	1.14E-08	7.57E-09	0.00E+00	1.90E-08	2.10E-09	1.29E-09	0.00E+00	3.38E-09	1.17E-09	1.11E-09	0.00E+00	2.28E-09
5211	481628.09	3768848.01	1.146E-08	5.17E-09	0.00E+00	1.66E-08	1.13E-08	7.52E-09	0.00E+00	1.89E-08	2.08E-09	1.28E-09	0.00E+00	3.36E-09	1.16E-09	1.11E-09	0.00E+00	2.27E-09
5212	481619.12	3768851.61	1.139E-08	5.14E-09	0.00E+00	1.65E-08	1.13E-08	7.47E-09	0.00E+00	1.87E-08	2.07E-09	1.27E-09	0.00E+00	3.34E-09	1.16E-09	1.10E-09	0.00E+00	2.25E-09
5213	481610.15	3768855.2	1.133E-08	5.11E-09	0.00E+00	1.64E-08	1.12E-08	7.43E-09	0.00E+00	1.86E-08	2.06E-09	1.27E-09	0.00E+00	3.32E-09	1.15E-09	1.09E-09	0.00E+00	2.24E-09
5214	481601.19	3768858.8	1.127E-08	5.08E-09	0.00E+00	1.64E-08	1.12E-08	7.39E-09	0.00E+00	1.85E-08	2.05E-09	1.26E-09	0.00E+00	3.31E-09	1.14E-09	1.09E-09	0.00E+00	2.23E-09
5215	481592.22	3768862.4	1.121E-08	5.05E-09	0.00E+00	1.63E-08	1.11E-08	7.35E-09	0.00E+00	1.84E-08	2.04E-09	1.25E-09	0.00E+00	3.29E-09	1.14E-09	1.08E-09	0.00E+00	2.22E-09
5216	481583.25	3768865.99	1.115E-08	5.03E-09	0.00E+00	1.62E-08	1.10E-08	7.32E-09	0.00E+00	1.84E-08	2.03E-09	1.25E-09	0.00E+00	3.27E-09	1.13E-09	1.08E-09	0.00E+00	2.21E-09
5217	481574.28	3768869.59	1.11E-08	5.00E-09	0.00E+00	1.61E-08	1.10E-08	7.28E-09	0.00E+00	1.83E-08	2.02E-09	1.24E-09	0.00E+00	3.26E-09	1.13E-09	1.07E-09	0.00E+00	2.20E-09
5218	481565.31	3768873.19	1.105E-08	4.98E-09	0.00E+00	1.60E-08	1.09E-08	7.25E-09	0.00E+00	1.82E-08	2.01E-09	1.24E-09	0.00E+00	3.24E-09	1.12E-09	1.07E-09	0.00E+00	2.19E-09
5219	481556.34	3768876.78	1.101E-08	4.97E-09	0.00E+00	1.60E-08	1.09E-08	7.23E-09	0.00E+00	1.81E-08	2.00E-09	1.23E-09	0.00E+00	3.23E-09	1.12E-09	1.06E-09	0.00E+00	2.18E-09
5220	481547.37	3768880.38	1.097E-08	4.95E-09	0.00E+00	1.59E-08	1.09E-08	7.20E-09	0.00E+00	1.81E-08	1.99E-09	1.23E-09	0.00E+00	3.22E-09	1.11E-09	1.06E-09	0.00E+00	2.17E-09
5221	481890.07	3768528.88	4.525E-08	2.04E-08	0.00E+00	6.57E-08	4.48E-08	2.97E-08	0.00E+00	7.45E-08	8.22E-09	5.06E-09	0.00E+00	1.33E-08	4.59E-09	4.37E-09	0.00E+00	8.95E-09
5222	481890.14	3768518.9	4.739E-08	2.14E-08	0.00E+00	6.88E-08	4.69E-08	3.11E-08	0.00E+00	7.80E-08	8.61E-09	5.30E-09	0.00E+00	1.39E-08	4.81E-09	4.57E-09	0.00E+00	9.38E-09
5223	481890.22	3768508.92	4.951E-08	2.23E-08	0.00E+00	7.18E-08	4.90E-08	3.25E-08	0.00E+00	8.15E-08	9.00E-09	5.53E-09	0.00E+00	1.45E-08	5.02E-09	4.78E-09	0.00E+00	9.80E-09

5246	481847.45	3768700.22	1.813E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
5247	481843.62	3768709.22	1.728E-08	7.79E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.84E-08	3.14E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
5248	481839.8	3768718.23	1.651E-08	7.45E-09	0.00E+00	2.40E-08	1.63E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.67E-09	1.59E-09	0.00E+00	3.27E-09
5249	481835.98	3768727.23	1.579E-08	7.12E-09	0.00E+00	2.29E-08	1.56E-08	1.04E-08	0.00E+00	2.60E-08	2.87E-09	1.76E-09	0.00E+00	4.63E-09	1.60E-09	1.52E-09	0.00E+00	3.12E-09
5250	481824.51	3768754.25	1.384E-08	6.24E-09	0.00E+00	2.01E-08	1.37E-08	9.08E-09	0.00E+00	2.28E-08	2.51E-09	1.55E-09	0.00E+00	4.06E-09	1.40E-09	1.34E-09	0.00E+00	2.74E-09
5251	481820.69	3768763.26	1.329E-08	5.99E-09	0.00E+00	1.93E-08	1.32E-08	8.72E-09	0.00E+00	2.19E-08	2.41E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
5252	481816.87	3768772.26	1.277E-08	5.76E-09	0.00E+00	1.85E-08	1.26E-08	8.38E-09	0.00E+00	2.10E-08	2.32E-09	1.43E-09	0.00E+00	3.75E-09	1.30E-09	1.23E-09	0.00E+00	2.53E-09
5253	481813.05	3768781.27	1.227E-08	5.53E-09	0.00E+00	1.78E-08	1.21E-08	8.05E-09	0.00E+00	2.02E-08	2.23E-09	1.37E-09	0.00E+00	3.60E-09	1.24E-09	1.18E-09	0.00E+00	2.43E-09
5254	481809.22	3768790.28	1.18E-08	5.32E-09	0.00E+00	1.71E-08	1.17E-08	7.74E-09	0.00E+00	1.94E-08	2.14E-09	1.32E-09	0.00E+00	3.46E-09	1.20E-09	1.14E-09	0.00E+00	2.34E-09
5255	481805.4	3768799.28	1.138E-08	5.13E-09	0.00E+00	1.65E-08	1.13E-08	7.47E-09	0.00E+00	1.87E-08	2.07E-09	1.27E-09	0.00E+00	3.34E-09	1.15E-09	1.10E-09	0.00E+00	2.25E-09
5256	481792.5	3768811.93	1.096E-08	4.94E-09	0.00E+00	1.59E-08	1.08E-08	7.19E-09	0.00E+00	1.80E-08	1.99E-09	1.22E-09	0.00E+00	3.22E-09	1.11E-09	1.06E-09	0.00E+00	2.17E-09
5257	481783.42	3768815.57	1.091E-08	4.92E-09	0.00E+00	1.58E-08	1.08E-08	7.16E-09	0.00E+00	1.80E-08	1.98E-09	1.22E-09	0.00E+00	3.20E-09	1.11E-09	1.05E-09	0.00E+00	2.16E-09
5258	481920.07	3768529.1	4.153E-08	1.87E-08	0.00E+00	6.03E-08	4.11E-08	2.73E-08	0.00E+00	6.83E-08	7.55E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.01E-09	0.00E+00	8.22E-09
5259	481920.14	3768519.12	4.336E-08	1.96E-08	0.00E+00	6.29E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.58E-09
5260	481920.22	3768509.15	4.516E-08	2.04E-08	0.00E+00	6.55E-08	4.47E-08	2.96E-08	0.00E+00	7.43E-08	8.21E-09	5.05E-09	0.00E+00	1.33E-08	4.58E-09	4.36E-09	0.00E+00	8.94E-09
5261	481920.29	3768499.17	4.693E-08	2.12E-08	0.00E+00	6.81E-08	4.64E-08	3.08E-08	0.00E+00	7.72E-08	8.53E-09	5.24E-09	0.00E+00	1.38E-08	4.76E-09	4.53E-09	0.00E+00	9.29E-09
5262	481920.36	3768489.19	4.865E-08	2.19E-08	0.00E+00	7.06E-08	4.81E-08	3.19E-08	0.00E+00	8.01E-08	8.84E-09	5.44E-09	0.00E+00	1.43E-08	4.93E-09	4.69E-09	0.00E+00	9.63E-09
5263	481920.44	3768479.21	5.029E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.95E-09
5264	481920.51	3768469.23	5.183E-08	2.34E-08	0.00E+00	7.52E-08	5.13E-08	3.40E-08	0.00E+00	8.53E-08	9.42E-09	5.79E-09	0.00E+00	1.52E-08	5.26E-09	5.00E-09	0.00E+00	1.03E-08
5265	481920.58	3768459.25	5.325E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.49E-08	0.00E+00	8.76E-08	9.68E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.14E-09	0.00E+00	1.05E-08
5266	481920.66	3768449.27	5.454E-08	2.46E-08	0.00E+00	7.91E-08	5.40E-08	3.58E-08	0.00E+00	8.98E-08	9.91E-09	6.10E-09	0.00E+00	1.60E-08	5.53E-09	5.26E-09	0.00E+00	1.08E-08
5267	481920.73	3768439.29	5.568E-08	2.51E-08	0.00E+00	8.08E-08	5.51E-08	3.65E-08	0.00E+00	9.16E-08	1.01E-08	6.22E-09	0.00E+00	1.63E-08	5.65E-09	5.37E-09	0.00E+00	1.10E-08
5268	481920.8	3768429.31	5.666E-08	2.56E-08	0.00E+00	8.22E-08	5.61E-08	3.72E-08	0.00E+00	9.32E-08	1.03E-08	6.33E-09	0.00E+00	1.66E-08	5.75E-09	5.47E-09	0.00E+00	1.12E-08
5269	481920.88	3768419.34	5.746E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.42E-09	0.00E+00	1.69E-08	5.83E-09	5.54E-09	0.00E+00	1.14E-08
5270	481920.95	3768409.36	5.808E-08	2.62E-08	0.00E+00	8.43E-08	5.75E-08	3.81E-08	0.00E+00	9.56E-08	1.06E-08	6.49E-09	0.00E+00	1.70E-08	5.89E-09	5.60E-09	0.00E+00	1.15E-08
5271	481921.02	3768399.38	5.851E-08	2.64E-08	0.00E+00	8.49E-08	5.79E-08	3.84E-08	0.00E+00	9.63E-08	1.06E-08	6.54E-09	0.00E+00	1.72E-08	5.93E-09	5.64E-09	0.00E+00	1.16E-08
5272	481921.1	3768389.4	5.875E-08	2.65E-08	0.00E+00	8.52E-08	5.81E-08	3.86E-08	0.00E+00	9.67E-08	1.07E-08	6.57E-09	0.00E+00	1.72E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
5273	481921.17	3768379.42	5.88E-08	2.65E-08	0.00E+00	8.53E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.57E-09	0.00E+00	1.73E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
5274	481921.24	3768369.44	5.869E-08	2.65E-08	0.00E+00	8.52E-08	5.81E-08	3.85E-08	0.00E+00	9.66E-08	1.07E-08	6.56E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
5275	481921.32	3768359.46	5.841E-08	2.63E-08	0.00E+00	8.47E-08	5.78E-08	3.83E-08	0.00E+00	9.61E-08	1.06E-08	6.53E-09	0.00E+00	1.71E-08	5.92E-09	5.63E-09	0.00E+00	1.16E-08
5276	481921.39	3768349.48	5.794E-08	2.61E-08	0.00E+00	8.41E-08	5.73E-08	3.80E-08	0.00E+00	9.54E-08	1.05E-08	6.48E-09	0.00E+00	1.70E-08	5.88E-09	5.59E-09	0.00E+00	1.15E-08
5277	481946.21	3768538.43	3.708E-08	1.67E-08	0.00E+00	5.38E-08	3.67E-08	2.43E-08	0.00E+00	6.10E-08	6.74E-09	4.14E-09	0.00E+00	1.09E-08	3.76E-09	3.58E-09	0.00E+00	7.34E-09
5278	481930.75	3768574.84	3.245E-08	1.46E-08	0.00E+00	4.71E-08	3.21E-08	2.13E-08	0.00E+00	5.34E-08	5.90E-09	3.63E-09	0.00E+00	9.52E-09	3.29E-09	3.13E-09	0.00E+00	6.42E-09
5279	481926.89	3768583.94	3.128E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.68E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
5280	481923.03	3768593.04	3.005E-08	1.36E-08	0.00E+00	4.36E-08	2.97E-08	1.97E-08	0.00E+00	4.95E-08	5.46E-09	3.36E-09	0.00E+00	8.82E-09	3.05E-09	2.90E-09	0.00E+00	5.95E-09
5281	481919.16	3768602.15	2.881E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.24E-09	3.22E-09	0.00E+00	8.46E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
5282	481915.3	3768611.25	2.759E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
5283	481895.98	3768656.76	2.222E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.48E-09	0.00E+00	6.52E-09	2.25E-09	2.14E-09	0.00E+00	4.40E-09
5284	481892.12	3768665.86	2.119E-08	9.56E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.49E-08	3.85E-09	2.37E-09	0.00E+00	6.22E-09	2.15E-09	2.04E-09	0.00E+00	4.19E-09
5285	481888.26	3768674.97	2.022E-08	9.12E-09	0.00E+00	2.93E-08	2.00E-08	1.33E-08	0.00E+00	3.33E-08	3.67E-09	2.26E-09	0.00E+00	5.93E-09	2.05E-09	1.95E-09	0.00E+00	4.00E-09
5286	481884.39	3768684.07	1.921E-08	8.66E-09	0.00E+00	2.79E-08	1.90E-08	1.26E-08	0.00E+00	3.16E-08	3.49E-09	2.15E-09	0.00E+00	5.64E-09	1.95E-09	1.85E-09	0.00E+00	3.80E-09
5287	481880.53	3768693.17	1.824E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.31E-09	2.04E-09	0.00E+00	5.35E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
5288	481876.67	3768702.27	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
5289	481872.8	3768711.38	1.649E-08	7.44E-09	0.00E+00	2.39E-08	1.63E-08	1.08E-08	0.00E+00	2.71E-08	3.00E-09	1.84E-09	0.00E+00	4.84E-09	1.67E-09	1.59E-09	0.00E+00	3.26E-09
5290	481868.94	3768720.48	1.57E-08	7.08E-09	0.00E+00	2.28E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.61E-09	1.59E-09	1.51E-09	0.00E+00	3.11E-09
5291	481865.08	3768729.58	1.499E-08	6.76E-09	0.00E+00	2.17E-08	1.48E-08	9.83E-09	0.00E+00	2.47E-08	2.72E-09	1.68E-09	0.00E+00	4.40E-09	1.52E-09	1.45E-09	0.00E+00	2.97E-09
5292	481853.49	3768756.89	1.319E-08	5.95E-09	0.00E+00	1.91E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.47E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
5293	481849.62	3768765.99	1.266E-08	5.71E-09	0.00E+00	1.84E-08	1.25E-08	8.30E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
5294	481845.76	3768775.1	1.218E-08	5.49E-09	0.00E+00	1.77E-08	1.20E-08	7.99E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.57E-09	1.24E-09	1.17E-09	0.00E+00	2.41E-09
5295	481841.9	3768784.2	1.173E-08	5.29E-09	0.00E+00	1.70E-08	1.16E-08	7.70E-09	0.00E+00	1.93E-08	2.13E-09	1.31E-09	0.00E+00	3.44E-09	1.19E-09	1.13E-09	0.00E+00	2.32E-09
5296	481838.03	3768793.3	1.131E-08	5.10E-09	0.00E+00	1.64E-08	1.12E-08	7.42E-09	0.00E+00	1.86E-08	2.06E-09	1.26E-09	0.00E+00	3.32E-09	1.15E-09	1.09E-09	0.00E+00	2.24E-09
5297	481950.07	3768529.32	3.82E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
5298	481950.14	3768519.34	3.979E-08	1.79E-08	0.00E+00	5.77E-08	3.94E-08	2.61E-08	0.00E+00	6.55E-08	7.23E-09	4.45E-09	0.00E+00	1.17E-08	4.04E-09	3.84E-09	0.00E+00	7.87E-09
5299	481950.22	3768509.37	4.135E-08	1.86E-08	0.00E+00	6.00E-08	4.09E-08	2.71E-08	0.00E+00	6.80E-08	7.51E-09	4.62E-09	0.00E+00	1.21E-08	4.19E-09	3.99E-09	0.00E+00	8.18E-09
5300	481950.29	3768499.39	4.288E-08	1.93E-08	0.00E+00	6.22E-08	4.24E-08	2.81E-08	0.00E+00	7.06E-08	7.79E-09	4.79E-09	0.00E+00	1.26E-08	4.35E-09	4.14E-09	0.00E+00	8.49E-09
5301	481950.36	3768489.41	4.439E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.31E-08	8.07E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.78E-09
5302	481950.44	3768479.43	4.584E-08	2.07E-08	0.00E+00	6.65E-08	4.54E-08	3.01E-08	0.00E+00	7.54E-08	8.33E-09	5.12E-09	0.00E+00	1.35E-08	4.65E-09	4.42E-09	0.00E+00	9.07E-09
5303	481950.51	3768469.45	4.72E-08	2.13E-08	0.00E+00	6.85E-08	4.67E-08	3.10E-08	0.00E+00	7.77E-08	8.58E-09	5.27E-09	0.00E+00	1.39E-08	4.79E-09	4.55E-09	0.00E+00	9.34E-09
5304	481950.58	3768459.47	4.845E-08	2.19E-08	0.00E+00	7.03E-08	4.79E-08	3.18E-08	0.00E+00	7.97E-08	8.80E-09	5.42E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.59E-09
5305	481950.66	3768449.49	4.96E-08	2.24E-08	0.00E+00	7.20E-08	4.91E-08	3.25E-08	0.00E+00	8.16E-08	9.01E-09	5.54E-09	0.00E+00	1.46E-08	5.03E-09	4.78E-09	0.00E+00	9.82E-09
5306	481950.73	3768439.51	5.061E-08	2.28E-08	0.00E+00	7.34E-08	5.01E-08	3.32E-08	0.00E+00	8.33E-08	9.20E-09	5.66E-09	0.00E+00	1.49E-08	5.13E-09	4.88E-09	0.00E+00	1.00E-08
5307	481950.8	3768429.53	5.149E-08	2.32E-08	0.00E+00	7.47E-08	5.10E-08	3.38E-08	0.00E+00	8.47E-08	9.36E-09	5.76E-09	0.00E+00	1.51E-08	5.22E-09	4.97E-09	0.00E+00	1.02E-08
5308	481950.88	3768419.56	5.222E-08	2.36E-08	0.00E+00	7.58E-08	5.17E-08	3.43E-08	0.00E+00	8.59E-08	9.49E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
5309	481950.95	3768409.58	5.28E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.69E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.36E-09	5.09E-09	0.00E+00	1.05E-08
5310	481951.02	3768399.6	5.323E-08	2.40E-08	0.00E+00	7.72E-08	5.27E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
5311	481951.1	3768389.62	5.349E-08	2.41E-08	0.00E+00	7.76E-08	5.29E-08	3.51E-08	0.00E+00	8.80E-08	9.72E-09	5.98E-09	0.00E+00	1.57E-08	5.43E-09	5.16E-09	0.00E+00	1.06E-08
5312	481951.17	3768379.64	5.359E-08	2.42E-08	0.00E+00	7.78E-08	5.30E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
5313	481951.24	3768369.66	5.354E-08	2.41E-08	0.00E+00	7.77E-08	5.30E-08	3.51E-08	0.00E+00	8.81E-08	9.73E-09	5.98E-09	0.00E+00	1.57E-08	5.43E-09	5.17E-09	0.00E+00	1.06E-08
5314	481951.32	3768359.68	5.334E-08	2.41E-08	0.00E+00	7.74E-08	5.28E-08	3.50E-08	0.00E+00	8.78E-08	9.69E-09	5.96E-09	0.00E+00	1.57E-08	5.41E-09	5.15E-09	0.00E+00	1.06E-08
5315	481951.39	3768349.7	5.3E-08	2.39E-08	0.00E+00	7.69E-08	5.24E-08	3.48E-08	0.00E+00	8.72E-08	9.63E-09	5.92E-09	0.00E+00	1.56E-08	5.38E-09	5.11E-09	0.00E+00	1.05E-08
5316	481976.28	3768538.48	3.426E-08	1.55E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.64E-08	6.22E-09	3.83E-09	0.00E+00	1.01E-08	3.48E-09	3.30E-09	0.00E+00	6.78E-09
5317	481972.49	3768547.41	3.325E-08	1.50E-08	0.00E+00	4.82E-08	3.29E-08	2.18E-08	0.00E+00	5.47E-08	6.04E-09	3.72E-09	0.00E+00	9.76E-09	3.37E-09	3.21E-09	0.00E+00	6.58E-09
5318	481968.69	3768556.34	3.222E-08	1.45E-08	0.00E+00	4.67E-08	3.19E-08	2.11E-08	0.00E+00	5.30E-08	5.85E-09	3.60E-09	0.00E+00	9.45E-09	3.27E-09	3.11E-09	0.00E+00	6.38E-09
5319	481964.9	3768565.28	3.122E-08	1.41E-08	0.00E+00	4.53E-08	3.09E-08	2.05E-08	0.00E+00	5.14E-08	5.67E-09	3.49E-09	0.00E+00	9.16E-09	3.17E-09	3.01E-09	0.00E+00	6.18E-09
5320	481961.11	3768574.21	3.022E-08	1.36E-08	0.00E+00	4.39E-08	2.99E-08	1.98E-08	0.00E+00	4.97E-08	5.49E-09	3.38E-09	0.00E+00	8.87E-09	3.07E-09	2.92E-09	0.00E+00	5.98E-09
5321	481957.32	3768583.14	2.922E-08	1.32E-08	0.00E+00	4.24E-08	2.89E-08	1.92E-08	0.00E+00	4.81E-08	5.31E-09	3.27E-09	0.00E+00	8.58E-09	2.96E-09	2.82E-09	0.00E+00	5.78E-09
5322	481953.53	3768592.08	2.822E-08	1.27E-08	0.00E+00	4.09E-08	2.79E-08	1.85E-08	0.00E+00	4.64E-08	5.13E-09	3.15E-09	0.00E+00	8.28E-09	2.86E-09	2.72E-09	0.00E+00	5.58E-09
5323	481949.74	3768601.01	2.721E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.79E-08	0.00E+00	4.48E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
5324	481945.95	3768609.94	2.619E-08	1.18E-08	0.00E+00	3.80E-08	2.59E-08	1.72E-08	0.00E+00	4.31E-08	4.76E-09	2.93E-09	0.00E+00	7.69E-09	2.66E-09	2.53E-09	0.00E+00	5.18E-09
5325	481919.41	3768672.47	1.966E-08	8.86E-09	0.00E+00	2.85E-08	1.95E-08	1.29E-08	0.00E+00	3.23E-08	3.57E-09	2.20E-09	0.00E+00	5.77E-09	1.99E-09	1.90E-09	0.00E+00	3.89E-09
5326	481915.61	3768681.41	1.876E-08	8.46E-09	0.00E+00	2.72E-08	1.86E-08	1.23E-08	0.00E+00	3.09E-08	3.41E-09	2.10E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
5327	481911.82	3768690.34	1.786E-08	8.06E-09	0.00E+00	2.59E-08	1.77E-08	1.17E-08	0.00E+00	2.94E-08	3.25E-09	2.00E-09	0.00E+00	5.24E-09	1.81E-09	1.72E-09	0.00E+00	3.53E-09
5328	481908.03	3768699.27	1.702E-08	7.67E-09	0.00E+00	2.47E-08	1.68E-08	1.12E-08	0.00E+00	2.80E-08	3.09E-09	1.90E-09	0.00E+00	4.99E-09	1.73E-09	1.64E-09	0.00E+00	3.37E-09
5329	481904.24	3768708.21	1.623E-08	7.32E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.67E-08	2.95E-09	1.81E-09	0.00E+00	4.76E-09	1.65E-09	1.57E-09	0.00E+00	3.21E-09
5330	481900.45	3768717.14	1.555E-08	7.01E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.56E-08	2.83E-09	1.74E-09	0.00E+00	4.56E-09	1.58E-09	1.50E-09	0.00E+00	3.08E-09
5331	481896.66	3768726.07	1.489E-08	6.71E-09	0.00E+00	2.16E-08	1.47E-08	9.77E-09	0.00E+00	2.45E-08	2.71E-09	1.66E-09	0.00E+00	4.37E-09	1.51E-09	1.44E-09	0.00E+00	2.95E-09
5332	481892.87	3768735.01	1.425E-08	6.43E-09	0.00E+00	2.07E-08	1.41E-08	9.35E-09	0.00E+00	2.34E-08	2.59E-09	1.59E-09	0.00E+00	4.18E-09	1.45E-09	1.37E-09	0.00E+00	2.82E-09
5333	481881.49	3768761.81	1.253E-08	5.65E-09	0.00E+00	1.82E-08	1.24E-08	8.22E-09	0.00E+00	2.06E-08	2.28E-09	1.40E-09	0.00E+00	3.68E-09	1.27E-09	1.21E-09	0.00E+00	2.48E-09
5334	481877.7	3768770.74	1.205E-08	5.43E-09	0.00E+00	1.75E-08	1.19E-08	7.91E-09	0.00E+00	1.98E-08	2.19E-09	1.35E-09	0.00E+00	3.54E-09	1.22E-09	1.16E-09	0.00E+00	2.38E-09
5335	481873.91	3768779.67	1.161E-08	5.24E-09	0.00E+00	1.68E-08	1.15E-08	7.62E-09	0.00E+00	1.91E-08	2.11E-09	1.30E-09	0.00E+00	3.41E-09	1.18E-09	1.12E-09	0.00E+00	2.30E-09
5336	481834.57	3768854.75	8.899E-09	4.01E-09	0.00E+00	1.29E-08	8.81E-09	5.84E-09	0.00E+00	1.46E-08	1.62E-09	9.95E-10	0.00E+00	2.61E-09	9.03E-10	8.59E-10	0.00E+00	1.76E-09
5337	481825.56	3768858.36	8.851E-09	3.99E-09	0.00E+00	1.28E-08	8.76E-09	5.81E-09	0.00E+00	1.46E-08	1.61E-09	9.89E-10	0.00E+00	2.60E-09	8.98E-10	8.54E-10	0.00E+00	1.75E-09
5338	481816.56	3768861.97	8.803E-09	3.97E-09	0.00E+00	1.28E-08	8.71E-09	5.78E-09	0.00E+00	1.45E-08	1.60E-09	9.84E-10	0.00E+00	2.58E-09	8.93E-10	8.49E-10	0.00E+00	1.74E-09
5339	481807.55	3768865.58	8.759E-09	3.95E-09	0.00E+00	1.27E-08	8.67E-09	5.75E-09	0.00E+00	1.44E-08	1.59E-09	9.79E-10	0.00E+00	2.57E-09	8.88E-10	8.45E-10	0.00E+00	1.73E-09
5340	481798.54	3768869.2	8.722E-09	3.93E-09	0.00E+00	1.27E-08	8.63E-09	5.72E-09	0.00E+00	1.44E-08	1.58E-09	9.75E-10	0.00E+00	2.56E-09	8.85E-10	8.41E-10	0.00E+00	1.73E-09
5341	481789.54	3768872.81	8.68E-09	3.91E-09	0.00E+00	1.26E-08	8.59E-09	5.70E-09	0.00E+00	1.43E-08	1.58E-09	9.70E-10	0.00E+00	2.55E-09	8.80E-10	8.37E-10	0.00E+00	1.72E-09

5364	481564.35	3768963.1	8.005E-09	3.61E-09	0.00E+00	1.16E-08	7.92E-09	5.25E-09	0.00E+00	1.32E-08	1.45E-09	8.95E-10	0.00E+00	2.35E-09	8.12E-10	7.72E-10	0.00E+00	1.58E-09
5365	481555.35	3768966.72	7.983E-09	3.60E-09	0.00E+00	1.16E-08	7.90E-09	5.24E-09	0.00E+00	1.31E-08	1.45E-09	8.92E-10	0.00E+00	2.34E-09	8.10E-10	7.70E-10	0.00E+00	1.58E-09
5366	481546.34	3768970.33	7.964E-09	3.59E-09	0.00E+00	1.16E-08	7.88E-09	5.23E-09	0.00E+00	1.31E-08	1.45E-09	8.90E-10	0.00E+00	2.34E-09	8.08E-10	7.68E-10	0.00E+00	1.58E-09
5367	481980.07	3768529.54	3.523E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
5368	481980.14	3768519.57	3.665E-08	1.65E-08	0.00E+00	5.32E-08	3.63E-08	2.41E-08	0.00E+00	6.03E-08	6.66E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.25E-09
5369	481980.21	3768509.59	3.806E-08	1.72E-08	0.00E+00	5.52E-08	3.77E-08	2.50E-08	0.00E+00	6.26E-08	6.91E-09	4.25E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.53E-09
5370	481980.29	3768499.61	3.942E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.16E-09	4.41E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
5371	481980.36	3768489.63	4.075E-08	1.84E-08	0.00E+00	5.91E-08	4.03E-08	2.67E-08	0.00E+00	6.71E-08	7.40E-09	4.55E-09	0.00E+00	1.20E-08	4.13E-09	3.93E-09	0.00E+00	8.06E-09
5372	481980.43	3768479.65	4.202E-08	1.89E-08	0.00E+00	6.10E-08	4.16E-08	2.76E-08	0.00E+00	6.92E-08	7.63E-09	4.70E-09	0.00E+00	1.23E-08	4.26E-09	4.05E-09	0.00E+00	8.32E-09
5373	481980.51	3768469.67	4.321E-08	1.95E-08	0.00E+00	6.27E-08	4.28E-08	2.84E-08	0.00E+00	7.11E-08	7.85E-09	4.83E-09	0.00E+00	1.27E-08	4.38E-09	4.17E-09	0.00E+00	8.55E-09
5374	481980.58	3768459.69	4.432E-08	2.00E-08	0.00E+00	6.43E-08	4.39E-08	2.91E-08	0.00E+00	7.29E-08	8.05E-09	4.95E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.77E-09
5375	481980.65	3768449.71	4.533E-08	2.04E-08	0.00E+00	6.58E-08	4.49E-08	2.97E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
5376	481980.73	3768439.73	4.624E-08	2.09E-08	0.00E+00	6.71E-08	4.58E-08	3.03E-08	0.00E+00	7.61E-08	8.40E-09	5.17E-09	0.00E+00	1.36E-08	4.69E-09	4.46E-09	0.00E+00	9.15E-09
5377	481980.8	3768429.76	4.702E-08	2.12E-08	0.00E+00	6.82E-08	4.65E-08	3.09E-08	0.00E+00	7.74E-08	8.54E-09	5.26E-09	0.00E+00	1.38E-08	4.77E-09	4.54E-09	0.00E+00	9.31E-09
5378	481980.87	3768419.78	4.769E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.44E-09
5379	481980.95	3768409.8	4.823E-08	2.18E-08	0.00E+00	7.00E-08	4.77E-08	3.16E-08	0.00E+00	7.94E-08	8.76E-09	5.39E-09	0.00E+00	1.42E-08	4.89E-09	4.65E-09	0.00E+00	9.54E-09
5380	481981.02	3768399.82	4.864E-08	2.19E-08	0.00E+00	7.06E-08	4.81E-08	3.19E-08	0.00E+00	8.01E-08	8.84E-09	5.44E-09	0.00E+00	1.43E-08	4.93E-09	4.69E-09	0.00E+00	9.63E-09
5381	481981.09	3768389.84	4.893E-08	2.21E-08	0.00E+00	7.10E-08	4.84E-08	3.21E-08	0.00E+00	8.05E-08	8.89E-09	5.47E-09	0.00E+00	1.44E-08	4.96E-09	4.72E-09	0.00E+00	9.68E-09
5382	481981.17	3768379.86	4.908E-08	2.21E-08	0.00E+00	7.12E-08	4.86E-08	3.22E-08	0.00E+00	8.08E-08	8.92E-09	5.48E-09	0.00E+00	1.44E-08	4.98E-09	4.73E-09	0.00E+00	9.71E-09
5383	481981.24	3768369.88	4.908E-08	2.21E-08	0.00E+00	7.12E-08	4.86E-08	3.22E-08	0.00E+00	8.08E-08	8.92E-09	5.49E-09	0.00E+00	1.44E-08	4.98E-09	4.73E-09	0.00E+00	9.71E-09
5384	481981.31	3768359.9	4.896E-08	2.21E-08	0.00E+00	7.10E-08	4.84E-08	3.21E-08	0.00E+00	8.06E-08	8.90E-09	5.47E-09	0.00E+00	1.44E-08	4.97E-09	4.72E-09	0.00E+00	9.69E-09
5385	481981.39	3768349.92	4.87E-08	2.20E-08	0.00E+00	7.07E-08	4.82E-08	3.20E-08	0.00E+00	8.01E-08	8.85E-09	5.44E-09	0.00E+00	1.43E-08	4.94E-09	4.70E-09	0.00E+00	9.64E-09
5386	482006.24	3768538.79	3.174E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.31E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
5387	482002.41	3768547.81	3.083E-08	1.39E-08	0.00E+00	4.47E-08	3.05E-08	2.02E-08	0.00E+00	5.07E-08	5.60E-09	3.45E-09	0.00E+00	9.05E-09	3.13E-09	2.97E-09	0.00E+00	6.10E-09
5388	481998.58	3768556.83	2.99E-08	1.35E-08	0.00E+00	4.34E-08	2.96E-08	1.96E-08	0.00E+00	4.92E-08	5.43E-09	3.34E-09	0.00E+00	8.78E-09	3.03E-09	2.88E-09	0.00E+00	5.92E-09
5389	481994.75	3768565.85	2.901E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
5390	481990.92	3768574.87	2.81E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.84E-08	0.00E+00	4.63E-08	5.11E-09	3.14E-09	0.00E+00	8.25E-09	2.85E-09	2.71E-09	0.00E+00	5.56E-09
5391	481987.1	3768583.89	2.72E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.78E-08	0.00E+00	4.48E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
5392	481983.27	3768592.91	2.63E-08	1.19E-08	0.00E+00	3.82E-08	2.60E-08	1.73E-08	0.00E+00	4.33E-08	4.78E-09	2.94E-09	0.00E+00	7.72E-09	2.67E-09	2.54E-09	0.00E+00	5.20E-09
5393	481979.44	3768601.93	2.541E-08	1.15E-08	0.00E+00	3.69E-08	2.51E-08	1.67E-08	0.00E+00	4.18E-08	4.62E-09	2.84E-09	0.00E+00	7.46E-09	2.58E-09	2.45E-09	0.00E+00	5.03E-09
5394	481975.61	3768610.95	2.454E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
5395	481971.78	3768619.97	2.368E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.28E-09	0.00E+00	4.69E-09
5396	481967.95	3768629	2.284E-08	1.03E-08	0.00E+00	3.31E-08	2.26E-08	1.50E-08	0.00E+00	3.76E-08	4.15E-09	2.55E-09	0.00E+00	6.70E-09	2.32E-09	2.20E-09	0.00E+00	4.52E-09
5397	481964.12	3768638.02	2.203E-08	9.94E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.00E-09	2.46E-09	0.00E+00	6.47E-09	2.24E-09	2.13E-09	0.00E+00	4.36E-09
5398	481960.29	3768647.04	2.125E-08	9.58E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.50E-08	3.86E-09	2.38E-09	0.00E+00	6.24E-09	2.16E-09	2.05E-09	0.00E+00	4.21E-09
5399	481956.47	3768656.06	2.038E-08	9.19E-09	0.00E+00	2.96E-08	2.02E-08	1.34E-08	0.00E+00	3.35E-08	3.70E-09	2.28E-09	0.00E+00	5.98E-09	2.07E-09	1.97E-09	0.00E+00	4.03E-09
5400	481948.81	3768674.1	1.873E-08	8.44E-09	0.00E+00	2.72E-08	1.85E-08	1.23E-08	0.00E+00	3.08E-08	3.40E-09	2.09E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
5401	481944.98	3768683.12	1.788E-08	8.06E-09	0.00E+00	2.59E-08	1.77E-08	1.17E-08	0.00E+00	2.94E-08	3.25E-09	2.00E-09	0.00E+00	5.25E-09	1.81E-09	1.72E-09	0.00E+00	3.54E-09
5402	481925.84	3768728.23	1.43E-08	6.45E-09	0.00E+00	2.08E-08	1.42E-08	9.39E-09	0.00E+00	2.35E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
5403	481914.35	3768755.29	1.257E-08	5.67E-09	0.00E+00	1.82E-08	1.24E-08	8.25E-09	0.00E+00	2.07E-08	2.28E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5404	481910.52	3768764.31	1.206E-08	5.44E-09	0.00E+00	1.75E-08	1.19E-08	7.91E-09	0.00E+00	1.98E-08	2.19E-09	1.35E-09	0.00E+00	3.54E-09	1.22E-09	1.16E-09	0.00E+00	2.39E-09
5405	481906.69	3768773.33	1.157E-08	5.22E-09	0.00E+00	1.68E-08	1.14E-08	7.59E-09	0.00E+00	1.90E-08	2.10E-09	1.29E-09	0.00E+00	3.40E-09	1.17E-09	1.12E-09	0.00E+00	2.29E-09
5406	481876.06	3768845.5	8.811E-09	3.97E-09	0.00E+00	1.28E-08	8.72E-09	5.78E-09	0.00E+00	1.45E-08	1.60E-09	9.85E-10	0.00E+00	2.59E-09	8.94E-10	8.50E-10	0.00E+00	1.74E-09
5407	481872.24	3768854.52	8.558E-09	3.86E-09	0.00E+00	1.24E-08	8.47E-09	5.62E-09	0.00E+00	1.41E-08	1.55E-09	9.56E-10	0.00E+00	2.51E-09	8.68E-10	8.26E-10	0.00E+00	1.69E-09
5408	481868.41	3768863.54	8.321E-09	3.75E-09	0.00E+00	1.21E-08	8.23E-09	5.46E-09	0.00E+00	1.37E-08	1.51E-09	9.30E-10	0.00E+00	2.44E-09	8.44E-10	8.03E-10	0.00E+00	1.65E-09
5409	481855.48	3768876.21	8.08E-09	3.64E-09	0.00E+00	1.17E-08	8.00E-09	5.30E-09	0.00E+00	1.33E-08	1.47E-09	9.03E-10	0.00E+00	2.37E-09	8.20E-10	7.79E-10	0.00E+00	1.60E-09
5410	481846.39	3768879.86	8.058E-09	3.63E-09	0.00E+00	1.17E-08	7.97E-09	5.29E-09	0.00E+00	1.33E-08	1.46E-09	9.01E-10	0.00E+00	2.36E-09	8.17E-10	7.77E-10	0.00E+00	1.59E-09
5411	481837.29	3768883.5	8.03E-09	3.62E-09	0.00E+00	1.17E-08	7.95E-09	5.27E-09	0.00E+00	1.32E-08	1.46E-09	8.97E-10	0.00E+00	2.36E-09	8.15E-10	7.75E-10	0.00E+00	1.59E-09
5412	481828.2	3768887.15	7.989E-09	3.60E-09	0.00E+00	1.16E-08	7.91E-09	5.24E-09	0.00E+00	1.31E-08	1.45E-09	8.93E-10	0.00E+00	2.34E-09	8.10E-10	7.71E-10	0.00E+00	1.58E-09
5413	481819.1	3768890.8	7.947E-09	3.58E-09	0.00E+00	1.15E-08	7.86E-09	5.22E-09	0.00E+00	1.31E-08	1.44E-09	8.88E-10	0.00E+00	2.33E-09	8.06E-10	7.67E-10	0.00E+00	1.57E-09
5414	481810	3768894.45	7.911E-09	3.57E-09	0.00E+00	1.15E-08	7.83E-09	5.19E-09	0.00E+00	1.30E-08	1.44E-09	8.84E-10	0.00E+00	2.32E-09	8.02E-10	7.63E-10	0.00E+00	1.57E-09
5415	481800.91	3768898.09	7.871E-09	3.55E-09	0.00E+00	1.14E-08	7.79E-09	5.17E-09	0.00E+00	1.30E-08	1.43E-09	8.80E-10	0.00E+00	2.31E-09	7.98E-10	7.59E-10	0.00E+00	1.56E-09
5416	481791.81	3768901.74	7.832E-09	3.53E-09	0.00E+00	1.14E-08	7.75E-09	5.14E-09	0.00E+00	1.29E-08	1.42E-09	8.75E-10	0.00E+00	2.30E-09	7.94E-10	7.56E-10	0.00E+00	1.55E-09
5417	481782.72	3768905.39	7.793E-09	3.51E-09	0.00E+00	1.13E-08	7.71E-09	5.11E-09	0.00E+00	1.28E-08	1.42E-09	8.71E-10	0.00E+00	2.29E-09	7.91E-10	7.52E-10	0.00E+00	1.54E-09
5418	481773.62	3768909.04	7.763E-09	3.50E-09	0.00E+00	1.13E-08	7.68E-09	5.09E-09	0.00E+00	1.28E-08	1.41E-09	8.68E-10	0.00E+00	2.28E-09	7.87E-10	7.49E-10	0.00E+00	1.54E-09
5419	481764.52	3768912.68	7.738E-09	3.49E-09	0.00E+00	1.12E-08	7.66E-09	5.08E-09	0.00E+00	1.27E-08	1.41E-09	8.65E-10	0.00E+00	2.27E-09	7.85E-10	7.46E-10	0.00E+00	1.53E-09
5420	481755.43	3768916.33	7.712E-09	3.48E-09	0.00E+00	1.12E-08	7.63E-09	5.06E-09	0.00E+00	1.27E-08	1.40E-09	8.62E-10	0.00E+00	2.26E-09	7.82E-10	7.44E-10	0.00E+00	1.53E-09
5421	481746.33	3768919.98	7.681E-09	3.46E-09	0.00E+00	1.11E-08	7.60E-09	5.04E-09	0.00E+00	1.26E-08	1.40E-09	8.58E-10	0.00E+00	2.25E-09	7.79E-10	7.41E-10	0.00E+00	1.52E-09
5422	481737.24	3768923.62	7.641E-09	3.45E-09	0.00E+00	1.11E-08	7.56E-09	5.01E-09	0.00E+00	1.26E-08	1.39E-09	8.54E-10	0.00E+00	2.24E-09	7.75E-10	7.37E-10	0.00E+00	1.51E-09
5423	481728.14	3768927.27	7.602E-09	3.43E-09	0.00E+00	1.10E-08	7.52E-09	4.99E-09	0.00E+00	1.25E-08	1.38E-09	8.50E-10	0.00E+00	2.23E-09	7.71E-10	7.33E-10	0.00E+00	1.50E-09
5424	481719.05	3768930.92	7.564E-09	3.41E-09	0.00E+00	1.10E-08	7.49E-09	4.96E-09	0.00E+00	1.24E-08	1.37E-09	8.45E-10	0.00E+00	2.22E-09	7.67E-10	7.30E-10	0.00E+00	1.50E-09
5425	481709.95	3768934.57	7.539E-09	3.40E-09	0.00E+00	1.09E-08	7.46E-09	4.95E-09	0.00E+00	1.24E-08	1.37E-09	8.43E-10	0.00E+00	2.21E-09	7.65E-10	7.27E-10	0.00E+00	1.49E-09
5426	481700.85	3768938.21	7.515E-09	3.39E-09	0.00E+00	1.09E-08	7.44E-09	4.93E-09	0.00E+00	1.24E-08	1.37E-09	8.40E-10	0.00E+00	2.21E-09	7.62E-10	7.25E-10	0.00E+00	1.49E-09
5427	481691.76	3768941.86	7.492E-09	3.38E-09	0.00E+00	1.09E-08	7.41E-09	4.92E-09	0.00E+00	1.23E-08	1.36E-09	8.37E-10	0.00E+00	2.20E-09	7.60E-10	7.23E-10	0.00E+00	1.48E-09
5428	481682.66	3768945.51	7.458E-09	3.36E-09	0.00E+00	1.08E-08	7.38E-09	4.89E-09	0.00E+00	1.23E-08	1.36E-09	8.34E-10	0.00E+00	2.19E-09	7.57E-10	7.19E-10	0.00E+00	1.48E-09
5429	481673.57	3768949.16	7.421E-09	3.35E-09	0.00E+00	1.08E-08	7.34E-09	4.87E-09	0.00E+00	1.22E-08	1.35E-09	8.29E-10	0.00E+00	2.18E-09	7.53E-10	7.16E-10	0.00E+00	1.47E-09
5430	481664.47	3768952.8	7.386E-09	3.33E-09	0.00E+00	1.07E-08	7.31E-09	4.85E-09	0.00E+00	1.22E-08	1.34E-09	8.26E-10	0.00E+00	2.17E-09	7.49E-10	7.13E-10	0.00E+00	1.46E-09
5431	481655.38	3768956.45	7.359E-09	3.32E-09	0.00E+00	1.07E-08	7.28E-09	4.83E-09	0.00E+00	1.21E-08	1.34E-09	8.23E-10	0.00E+00	2.16E-09	7.47E-10	7.10E-10	0.00E+00	1.46E-09
5432	481646.28	3768960.1	7.342E-09	3.31E-09	0.00E+00	1.07E-08	7.26E-09	4.82E-09	0.00E+00	1.21E-08	1.33E-09	8.21E-10	0.00E+00	2.15E-09	7.45E-10	7.08E-10	0.00E+00	1.45E-09
5433	481637.18	3768963.75	7.471E-09	3.37E-09	0.00E+00	1.08E-08	7.39E-09	4.90E-09	0.00E+00	1.23E-08	1.36E-09	8.35E-10	0.00E+00	2.19E-09	7.58E-10	7.21E-10	0.00E+00	1.48E-09
5434	481628.09	3768967.39	7.443E-09	3.36E-09	0.00E+00	1.08E-08	7.37E-09	4.88E-09	0.00E+00	1.22E-08	1.35E-09	8.32E-10	0.00E+00	2.18E-09	7.55E-10	7.18E-10	0.00E+00	1.47E-09
5435	481618.99	3768971.04	7.414E-09	3.34E-09	0.00E+00	1.08E-08	7.34E-09	4.87E-09	0.00E+00	1.22E-08	1.35E-09	8.29E-10	0.00E+00	2.18E-09	7.52E-10	7.15E-10	0.00E+00	1.47E-09
5436	481609.9	3768974.69	7.387E-09	3.33E-09	0.00E+00	1.07E-08	7.31E-09	4.85E-09	0.00E+00	1.22E-08	1.34E-09	8.26E-10	0.00E+00	2.17E-09	7.49E-10	7.13E-10	0.00E+00	1.46E-09
5437	481600.8	3768978.34	7.361E-09	3.32E-09	0.00E+00	1.07E-08	7.28E-09	4.83E-09	0.00E+00	1.21E-08	1.34E-09	8.23E-10	0.00E+00	2.16E-09	7.47E-10	7.10E-10	0.00E+00	1.46E-09
5438	481591.7	3768981.98	7.34E-09	3.31E-09	0.00E+00	1.07E-08	7.26E-09	4.82E-09	0.00E+00	1.21E-08	1.33E-09	8.20E-10	0.00E+00	2.15E-09	7.45E-10	7.08E-10	0.00E+00	1.45E-09
5439	481582.61	3768985.63	7.321E-09	3.30E-09	0.00E+00	1.06E-08	7.24E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.18E-10	0.00E+00	2.15E-09	7.43E-10	7.06E-10	0.00E+00	1.45E-09
5440	481573.51	3768989.28	7.303E-09	3.29E-09	0.00E+00	1.06E-08	7.23E-09	4.79E-09	0.00E+00	1.20E-08	1.33E-09	8.16E-10	0.00E+00	2.14E-09	7.41E-10	7.05E-10	0.00E+00	1.45E-09
5441	481564.42	3768992.92	7.286E-09	3.29E-09	0.00E+00	1.06E-08	7.21E-09	4.78E-09	0.00E+00	1.20E-08	1.32E-09	8.14E-10	0.00E+00	2.14E-09	7.39E-10	7.03E-10	0.00E+00	1.44E-09
5442	481555.32	3768996.57	7.269E-09	3.28E-09	0.00E+00	1.05E-08	7.19E-09	4.77E-09	0.00E+00	1.20E-08	1.32E-09	8.12E-10	0.00E+00	2.13E-09	7.37E-10	7.01E-10	0.00E+00	1.44E-09
5443	481546.23	3769000.22	7.254E-09	3.27E-09	0.00E+00	1.05E-08	7.18E-09	4.76E-09	0.00E+00	1.19E-08	1.32E-09	8.11E-10	0.00E+00	2.13E-09	7.36E-10	7.00E-10	0.00E+00	1.44E-09
5444	482010.07	3768529.76	3.261E-08	1.47E-08	0.00E+00	4.73E-08	3.23E-08	2.14E-08	0.00E+00	5.37E-08	5.93E-09	3.65E-09	0.00E+00	9.57E-09	3.31E-09	3.15E-09	0.00E+00	6.45E-09
5445	482010.14	3768519.79	3.389E-08	1.53E-08	0.00E+00	4.92E-08	3.35E-08	2.22E-08	0.00E+00	5.58E-08	6.16E-09	3.79E-09	0.00E+00	9.95E-09	3.44E-09	3.27E-09	0.00E+00	6.71E-09
5446	482010.21	3768509.81	3.514E-08	1.58E-08	0.00E+00	5.10E-08	3.48E-08	2.31E-08	0.00E+00	5.78E-08	6.39E-09	3.93E-09	0.00E+00	1.03E-08	3.56E-09	3.39E-09	0.00E+00	6.96E-09
5447	482010.29	3768499.83	3.637E-08	1.64E-08	0.00E+00	5.28E-08	3.60E-08	2.39E-08	0.00E+00	5.98E-08	6.61E-09	4.06E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.20E-09
5448	482010.36	3768489.85	3.755E-08	1.69E-08	0.00E+00	5.45E-08	3.72E-08	2.46E-08	0.00E+00	6.18E-08	6.82E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.43E-09
5449	482010.43	3768479.87	3.867E-08	1.74E-08	0.00E+00	5.61E-08	3.83E-08	2.54E-08	0.00E+00	6.36E-08	7.03E-09	4.32E-09	0.00E+00	1.13E-08	3.92E-09	3.73E-09	0.00E+00	7.65E-09
5450	482010.51	3768469.89	3.973E-08	1.79E-08	0.00E+00	5.76E-08	3.93E-08	2.61E-08	0.00E+00	6.54E-08	7.22E-09	4.44E-09	0.00E+00	1.17E-08	4.03E-09	3.83E-09	0.00E+00	7.86E-09
5451	482010.58	3768459.91	4.072E-08	1.84E-08	0.00E+00	5.91E-08	4.03E-08	2.67E-08	0.00E+00	6.70E-08	7.40E-09	4.55E-09	0.00E+00	1.19E-08	4.13E-09	3.93E-09	0.00E+00	8.06E-09
5452	482010.65	3768449.93	4.163E-08	1.88E-08	0.00E+00	6.04E-08	4.12E-08	2.73E-08	0.00E+00	6.85E-08	7.56E-09	4.65E-09	0.00E+00	1.22E-08	4.22E-09	4.02E-09	0.00E+00	8.24E-09
5453	482010.73	3768439.95	4.244E-08	1.91E-08	0.00E+00	6.16E-08	4.20E-08	2.78E-08	0.00E+00	6.98E-08	7.71E-09	4.74E-09	0.00E+00	1.25E-08	4.30E-09	4.09E-09	0.00E+00	8.40E-09
5454	482010.8	3768429.98	4.316E-08	1.95E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.84E-09	4.82E-09	0.00E+00	1.27E-08	4.38E-09	4.16E-09	0.00E+00	8.54E-09
5455	482010.87	3768420	4.377E-08	1.97E-08	0.00E+00	6.35E-08	4.33E-08	2.87E-08	0.00E+00	7.20E-08	7.95E-09	4.89E-09	0.00E+00	1.28E-08	4.44E-09	4.22E-09	0.00E+00	8.66E-09
5456	482010.95	3768410.02	4.427E-08	2.00E-08	0.00E+00	6.42E-08	4.38E-08	2.91E-08	0.00E+00	7.29E-08	8.04E-09	4.95E-09	0.00E+00	1.30E-08	4.49E-09	4.27E-09	0.00E+00	8.76E-09
5457	482011.02	3768400.04	4.466E-08	2.01E-08	0.00E+00	6.48E-08	4.42E-08	2.93E-08	0.00E+00	7.35E-08	8.12E-09	4.99E-09	0.00E+00	1.31E-08	4.53E-09	4.31E-09	0.00E+00	8.84E-09
5458	482011.09	3768390.06	4.494E-08	2.03E-08	0.00E+00	6.52E-08	4.45E-08	2.95E-08	0.00E+00	7.40E-08	8.17E-09	5.02E-09	0.00E+00	1.32E-08	4.56E-09	4.34E-09	0.00E+00	8.89E-09
5459	482011.17	3768380.08	4.51E-08	2.03E-08	0.00E+00	6.54E-08	4.46E-08	2.96E-08	0.00E+00	7.42E-08	8.20E-09	5.04E-09	0.00E+00	1.32E-08	4.58E-09	4.35E-09	0.00E+00	8.93E-09
5460

5482	481958.96	3768721.09	1.423E-08	6.42E-09	0.00E+00	2.06E-08	1.41E-08	9.34E-09	0.00E+00	2.34E-08	2.58E-09	1.59E-09	0.00E+00	4.17E-09	1.44E-09	1.37E-09	0.00E+00	2.82E-09
5483	481955.1	3768730.19	1.362E-08	6.14E-09	0.00E+00	1.98E-08	1.35E-08	8.94E-09	0.00E+00	2.24E-08	2.48E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.31E-09	0.00E+00	2.70E-09
5484	481951.24	3768739.29	1.308E-08	5.90E-09	0.00E+00	1.90E-08	1.29E-08	8.58E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5485	481947.37	3768748.39	1.257E-08	5.67E-09	0.00E+00	1.82E-08	1.24E-08	8.25E-09	0.00E+00	2.07E-08	2.28E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5486	481912.61	3768830.29	9.003E-09	4.06E-09	0.00E+00	1.31E-08	8.91E-09	5.91E-09	0.00E+00	1.48E-08	1.64E-09	1.01E-09	0.00E+00	2.64E-09	9.13E-10	8.68E-10	0.00E+00	1.78E-09
5487	481908.75	3768839.39	8.743E-09	3.94E-09	0.00E+00	1.27E-08	8.65E-09	5.74E-09	0.00E+00	1.44E-08	1.59E-09	9.77E-10	0.00E+00	2.57E-09	8.87E-10	8.43E-10	0.00E+00	1.73E-09
5488	481904.89	3768848.49	8.497E-09	3.83E-09	0.00E+00	1.23E-08	8.41E-09	5.58E-09	0.00E+00	1.40E-08	1.54E-09	9.50E-10	0.00E+00	2.49E-09	8.62E-10	8.20E-10	0.00E+00	1.68E-09
5489	481901.03	3768857.59	8.261E-09	3.73E-09	0.00E+00	1.20E-08	8.17E-09	5.42E-09	0.00E+00	1.36E-08	1.50E-09	9.23E-10	0.00E+00	2.42E-09	8.38E-10	7.97E-10	0.00E+00	1.63E-09
5490	481897.16	3768866.69	8.015E-09	3.61E-09	0.00E+00	1.16E-08	7.93E-09	5.26E-09	0.00E+00	1.32E-08	1.46E-09	8.96E-10	0.00E+00	2.35E-09	8.13E-10	7.73E-10	0.00E+00	1.59E-09
5491	481893.3	3768875.79	7.786E-09	3.51E-09	0.00E+00	1.13E-08	7.70E-09	5.11E-09	0.00E+00	1.28E-08	1.41E-09	8.70E-10	0.00E+00	2.28E-09	7.90E-10	7.51E-10	0.00E+00	1.54E-09
5492	481889.44	3768884.89	7.573E-09	3.42E-09	0.00E+00	1.10E-08	7.49E-09	4.97E-09	0.00E+00	1.25E-08	1.38E-09	8.46E-10	0.00E+00	2.22E-09	7.68E-10	7.31E-10	0.00E+00	1.50E-09
5493	481876.4	3768897.67	7.365E-09	3.32E-09	0.00E+00	1.07E-08	7.29E-09	4.83E-09	0.00E+00	1.21E-08	1.34E-09	8.23E-10	0.00E+00	2.16E-09	7.47E-10	7.10E-10	0.00E+00	1.46E-09
5494	481867.23	3768901.34	7.346E-09	3.31E-09	0.00E+00	1.07E-08	7.27E-09	4.82E-09	0.00E+00	1.21E-08	1.33E-09	8.21E-10	0.00E+00	2.16E-09	7.45E-10	7.09E-10	0.00E+00	1.45E-09
5495	481858.05	3768905.02	7.319E-09	3.30E-09	0.00E+00	1.06E-08	7.24E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.18E-10	0.00E+00	2.15E-09	7.42E-10	7.06E-10	0.00E+00	1.45E-09
5496	481848.88	3768908.7	7.287E-09	3.29E-09	0.00E+00	1.06E-08	7.21E-09	4.78E-09	0.00E+00	1.20E-08	1.32E-09	8.14E-10	0.00E+00	2.14E-09	7.39E-10	7.03E-10	0.00E+00	1.44E-09
5497	481839.7	3768912.38	7.252E-09	3.27E-09	0.00E+00	1.05E-08	7.18E-09	4.76E-09	0.00E+00	1.19E-08	1.32E-09	8.11E-10	0.00E+00	2.13E-09	7.36E-10	7.00E-10	0.00E+00	1.44E-09
5498	481830.53	3768916.06	7.228E-09	3.26E-09	0.00E+00	1.05E-08	7.15E-09	4.74E-09	0.00E+00	1.19E-08	1.31E-09	8.08E-10	0.00E+00	2.12E-09	7.33E-10	6.97E-10	0.00E+00	1.43E-09
5499	481821.35	3768919.74	7.211E-09	3.25E-09	0.00E+00	1.05E-08	7.14E-09	4.73E-09	0.00E+00	1.19E-08	1.31E-09	8.06E-10	0.00E+00	2.12E-09	7.31E-10	6.96E-10	0.00E+00	1.43E-09
5500	481812.17	3768923.42	7.19E-09	3.24E-09	0.00E+00	1.04E-08	7.11E-09	4.72E-09	0.00E+00	1.18E-08	1.31E-09	8.04E-10	0.00E+00	2.11E-09	7.29E-10	6.94E-10	0.00E+00	1.42E-09
5501	481803	3768927.1	7.159E-09	3.23E-09	0.00E+00	1.04E-08	7.08E-09	4.70E-09	0.00E+00	1.18E-08	1.30E-09	8.00E-10	0.00E+00	2.10E-09	7.26E-10	6.91E-10	0.00E+00	1.42E-09
5502	481793.82	3768930.78	7.125E-09	3.21E-09	0.00E+00	1.03E-08	7.05E-09	4.68E-09	0.00E+00	1.17E-08	1.29E-09	7.96E-10	0.00E+00	2.09E-09	7.23E-10	6.87E-10	0.00E+00	1.41E-09
5503	481784.65	3768934.46	7.091E-09	3.20E-09	0.00E+00	1.03E-08	7.02E-09	4.65E-09	0.00E+00	1.17E-08	1.29E-09	7.92E-10	0.00E+00	2.08E-09	7.19E-10	6.84E-10	0.00E+00	1.40E-09
5504	481775.47	3768938.14	7.063E-09	3.19E-09	0.00E+00	1.02E-08	6.99E-09	4.63E-09	0.00E+00	1.16E-08	1.28E-09	7.89E-10	0.00E+00	2.07E-09	7.16E-10	6.81E-10	0.00E+00	1.40E-09
5505	481766.3	3768941.82	7.04E-09	3.17E-09	0.00E+00	1.02E-08	6.97E-09	4.62E-09	0.00E+00	1.16E-08	1.28E-09	7.87E-10	0.00E+00	2.07E-09	7.14E-10	6.79E-10	0.00E+00	1.39E-09
5506	481757.12	3768945.5	7.017E-09	3.16E-09	0.00E+00	1.02E-08	6.94E-09	4.60E-09	0.00E+00	1.15E-08	1.27E-09	7.84E-10	0.00E+00	2.06E-09	7.12E-10	6.77E-10	0.00E+00	1.39E-09
5507	481747.95	3768949.18	6.992E-09	3.15E-09	0.00E+00	1.01E-08	6.92E-09	4.59E-09	0.00E+00	1.15E-08	1.27E-09	7.81E-10	0.00E+00	2.05E-09	7.09E-10	6.75E-10	0.00E+00	1.38E-09
5508	481738.77	3768952.86	6.958E-09	3.14E-09	0.00E+00	1.01E-08	6.88E-09	4.57E-09	0.00E+00	1.15E-08	1.26E-09	7.78E-10	0.00E+00	2.04E-09	7.06E-10	6.71E-10	0.00E+00	1.38E-09
5509	481729.59	3768956.53	6.924E-09	3.12E-09	0.00E+00	1.00E-08	6.85E-09	4.54E-09	0.00E+00	1.14E-08	1.26E-09	7.74E-10	0.00E+00	2.03E-09	7.02E-10	6.68E-10	0.00E+00	1.37E-09
5510	481720.42	3768960.21	6.89E-09	3.11E-09	0.00E+00	1.00E-08	6.82E-09	4.52E-09	0.00E+00	1.13E-08	1.25E-09	7.70E-10	0.00E+00	2.02E-09	6.99E-10	6.65E-10	0.00E+00	1.36E-09
5511	481711.24	3768963.89	6.868E-09	3.10E-09	0.00E+00	9.96E-09	6.80E-09	4.51E-09	0.00E+00	1.13E-08	1.25E-09	7.68E-10	0.00E+00	2.02E-09	6.97E-10	6.63E-10	0.00E+00	1.36E-09
5512	481702.07	3768967.57	6.847E-09	3.09E-09	0.00E+00	9.93E-09	6.78E-09	4.49E-09	0.00E+00	1.13E-08	1.24E-09	7.65E-10	0.00E+00	2.01E-09	6.95E-10	6.61E-10	0.00E+00	1.36E-09
5513	481692.89	3768971.25	6.827E-09	3.08E-09	0.00E+00	9.91E-09	6.76E-09	4.48E-09	0.00E+00	1.12E-08	1.24E-09	7.63E-10	0.00E+00	2.00E-09	6.93E-10	6.59E-10	0.00E+00	1.35E-09
5514	481683.72	3768974.93	6.8E-09	3.07E-09	0.00E+00	9.87E-09	6.73E-09	4.46E-09	0.00E+00	1.12E-08	1.24E-09	7.60E-10	0.00E+00	2.00E-09	6.90E-10	6.56E-10	0.00E+00	1.35E-09
5515	481674.54	3768978.61	6.769E-09	3.05E-09	0.00E+00	9.82E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.56E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5516	481665.37	3768982.29	6.739E-09	3.04E-09	0.00E+00	9.78E-09	6.67E-09	4.42E-09	0.00E+00	1.11E-08	1.22E-09	7.53E-10	0.00E+00	1.98E-09	6.84E-10	6.50E-10	0.00E+00	1.33E-09
5517	481656.19	3768985.97	6.715E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.50E-10	0.00E+00	1.97E-09	6.81E-10	6.48E-10	0.00E+00	1.33E-09
5518	481647.02	3768989.65	6.701E-09	3.02E-09	0.00E+00	9.72E-09	6.63E-09	4.40E-09	0.00E+00	1.10E-08	1.22E-09	7.49E-10	0.00E+00	1.97E-09	6.80E-10	6.46E-10	0.00E+00	1.33E-09
5519	481637.84	3768993.33	6.819E-09	3.08E-09	0.00E+00	9.89E-09	6.75E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.62E-10	0.00E+00	2.00E-09	6.92E-10	6.58E-10	0.00E+00	1.35E-09
5520	481628.66	3768997.01	6.796E-09	3.06E-09	0.00E+00	9.86E-09	6.72E-09	4.46E-09	0.00E+00	1.12E-08	1.23E-09	7.59E-10	0.00E+00	1.99E-09	6.89E-10	6.56E-10	0.00E+00	1.34E-09
5521	481619.49	3769000.69	6.772E-09	3.05E-09	0.00E+00	9.83E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.57E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5522	481610.31	3769004.37	6.749E-09	3.04E-09	0.00E+00	9.79E-09	6.68E-09	4.43E-09	0.00E+00	1.11E-08	1.23E-09	7.54E-10	0.00E+00	1.98E-09	6.85E-10	6.51E-10	0.00E+00	1.34E-09
5523	481601.14	3769008.05	6.728E-09	3.03E-09	0.00E+00	9.76E-09	6.66E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.52E-10	0.00E+00	1.97E-09	6.82E-10	6.49E-10	0.00E+00	1.33E-09
5524	481591.96	3769011.72	6.711E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.40E-09	0.00E+00	1.10E-08	1.22E-09	7.50E-10	0.00E+00	1.97E-09	6.81E-10	6.47E-10	0.00E+00	1.33E-09
5525	481582.79	3769015.4	6.695E-09	3.02E-09	0.00E+00	9.71E-09	6.63E-09	4.39E-09	0.00E+00	1.10E-08	1.22E-09	7.48E-10	0.00E+00	1.96E-09	6.79E-10	6.46E-10	0.00E+00	1.33E-09
5526	481573.61	3769019.08	6.681E-09	3.01E-09	0.00E+00	9.69E-09	6.61E-09	4.38E-09	0.00E+00	1.10E-08	1.21E-09	7.47E-10	0.00E+00	1.96E-09	6.78E-10	6.45E-10	0.00E+00	1.32E-09
5527	481564.44	3769022.76	6.667E-09	3.01E-09	0.00E+00	9.67E-09	6.60E-09	4.37E-09	0.00E+00	1.10E-08	1.21E-09	7.45E-10	0.00E+00	1.96E-09	6.76E-10	6.43E-10	0.00E+00	1.32E-09
5528	481555.26	3769026.44	6.654E-09	3.00E-09	0.00E+00	9.65E-09	6.58E-09	4.37E-09	0.00E+00	1.10E-08	1.21E-09	7.44E-10	0.00E+00	1.95E-09	6.75E-10	6.42E-10	0.00E+00	1.32E-09
5529	481546.09	3769030.12	6.642E-09	3.00E-09	0.00E+00	9.64E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.74E-10	6.41E-10	0.00E+00	1.31E-09
5530	482040.07	3768529.99	3.03E-08	1.37E-08	0.00E+00	4.40E-08	3.00E-08	1.99E-08	0.00E+00	4.99E-08	5.51E-09	3.39E-09	0.00E+00	8.89E-09	3.07E-09	2.92E-09	0.00E+00	6.00E-09
5531	482040.14	3768520.01	3.143E-08	1.42E-08	0.00E+00	4.56E-08	3.11E-08	2.06E-08	0.00E+00	5.17E-08	5.71E-09	3.51E-09	0.00E+00	9.22E-09	3.19E-09	3.03E-09	0.00E+00	6.22E-09
5532	482040.21	3768510.03	3.255E-08	1.47E-08	0.00E+00	4.72E-08	3.22E-08	2.14E-08	0.00E+00	5.36E-08	5.91E-09	3.64E-09	0.00E+00	9.55E-09	3.30E-09	3.14E-09	0.00E+00	6.44E-09
5533	482040.29	3768500.05	3.364E-08	1.52E-08	0.00E+00	4.88E-08	3.33E-08	2.21E-08	0.00E+00	5.54E-08	6.11E-09	3.76E-09	0.00E+00	9.87E-09	3.41E-09	3.25E-09	0.00E+00	6.66E-09
5534	482040.36	3768490.07	3.47E-08	1.56E-08	0.00E+00	5.03E-08	3.43E-08	2.28E-08	0.00E+00	5.71E-08	6.30E-09	3.88E-09	0.00E+00	1.02E-08	3.52E-09	3.35E-09	0.00E+00	6.87E-09
5535	482040.43	3768480.09	3.57E-08	1.61E-08	0.00E+00	5.18E-08	3.53E-08	2.34E-08	0.00E+00	5.88E-08	6.49E-09	3.99E-09	0.00E+00	1.05E-08	3.62E-09	3.44E-09	0.00E+00	7.07E-09
5536	482040.51	3768470.11	3.665E-08	1.65E-08	0.00E+00	5.32E-08	3.63E-08	2.41E-08	0.00E+00	6.03E-08	6.66E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.25E-09
5537	482040.58	3768460.13	3.754E-08	1.69E-08	0.00E+00	5.45E-08	3.72E-08	2.46E-08	0.00E+00	6.18E-08	6.82E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.43E-09
5538	482040.65	3768450.15	3.836E-08	1.73E-08	0.00E+00	5.57E-08	3.80E-08	2.52E-08	0.00E+00	6.31E-08	6.97E-09	4.29E-09	0.00E+00	1.13E-08	3.89E-09	3.70E-09	0.00E+00	7.59E-09
5539	482040.73	3768440.18	3.91E-08	1.76E-08	0.00E+00	5.67E-08	3.87E-08	2.57E-08	0.00E+00	6.44E-08	7.10E-09	4.37E-09	0.00E+00	1.15E-08	3.97E-09	3.77E-09	0.00E+00	7.74E-09
5540	482040.8	3768430.2	3.976E-08	1.79E-08	0.00E+00	5.77E-08	3.93E-08	2.61E-08	0.00E+00	6.54E-08	7.22E-09	4.44E-09	0.00E+00	1.17E-08	4.03E-09	3.84E-09	0.00E+00	7.87E-09
5541	482040.87	3768420.22	4.032E-08	1.82E-08	0.00E+00	5.85E-08	3.99E-08	2.65E-08	0.00E+00	6.64E-08	7.33E-09	4.51E-09	0.00E+00	1.18E-08	4.09E-09	3.89E-09	0.00E+00	7.98E-09
5542	482040.95	3768410.24	4.08E-08	1.84E-08	0.00E+00	5.92E-08	4.04E-08	2.68E-08	0.00E+00	6.71E-08	7.41E-09	4.56E-09	0.00E+00	1.20E-08	4.14E-09	3.94E-09	0.00E+00	8.07E-09
5543	482041.02	3768400.26	4.117E-08	1.86E-08	0.00E+00	5.97E-08	4.07E-08	2.70E-08	0.00E+00	6.78E-08	7.48E-09	4.60E-09	0.00E+00	1.21E-08	4.18E-09	3.97E-09	0.00E+00	8.15E-09
5544	482041.09	3768390.28	4.145E-08	1.87E-08	0.00E+00	6.01E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.20E-09	4.00E-09	0.00E+00	8.20E-09
5545	482041.17	3768380.3	4.162E-08	1.88E-08	0.00E+00	6.04E-08	4.12E-08	2.73E-08	0.00E+00	6.85E-08	7.56E-09	4.65E-09	0.00E+00	1.22E-08	4.22E-09	4.02E-09	0.00E+00	8.24E-09
5546	482041.24	3768370.32	4.17E-08	1.88E-08	0.00E+00	6.05E-08	4.13E-08	2.74E-08	0.00E+00	6.86E-08	7.58E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
5547	482041.31	3768360.34	4.168E-08	1.88E-08	0.00E+00	6.05E-08	4.12E-08	2.73E-08	0.00E+00	6.86E-08	7.57E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
5548	482041.39	3768350.37	4.156E-08	1.87E-08	0.00E+00	6.03E-08	4.11E-08	2.73E-08	0.00E+00	6.84E-08	7.55E-09	4.64E-09	0.00E+00	1.22E-08	4.22E-09	4.01E-09	0.00E+00	8.22E-09
5549	482066.17	3768539.38	2.76E-08	1.24E-08	0.00E+00	4.01E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.02E-09	3.09E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
5550	482062.28	3768548.55	2.688E-08	1.21E-08	0.00E+00	3.90E-08	2.66E-08	1.76E-08	0.00E+00	4.42E-08	4.88E-09	3.00E-09	0.00E+00	7.89E-09	2.73E-09	2.59E-09	0.00E+00	5.32E-09
5551	482058.39	3768557.72	2.615E-08	1.18E-08	0.00E+00	3.79E-08	2.59E-08	1.72E-08	0.00E+00	4.30E-08	4.75E-09	2.92E-09	0.00E+00	7.67E-09	2.65E-09	2.52E-09	0.00E+00	5.17E-09
5552	482054.5	3768566.89	2.538E-08	1.14E-08	0.00E+00	3.68E-08	2.51E-08	1.67E-08	0.00E+00	4.18E-08	4.61E-09	2.84E-09	0.00E+00	7.45E-09	2.57E-09	2.45E-09	0.00E+00	5.02E-09
5553	482050.6	3768576.06	2.459E-08	1.11E-08	0.00E+00	3.57E-08	2.43E-08	1.61E-08	0.00E+00	4.05E-08	4.47E-09	2.75E-09	0.00E+00	7.22E-09	2.49E-09	2.37E-09	0.00E+00	4.87E-09
5554	482046.71	3768585.23	2.38E-08	1.07E-08	0.00E+00	3.45E-08	2.35E-08	1.56E-08	0.00E+00	3.92E-08	4.32E-09	2.66E-09	0.00E+00	6.98E-09	2.41E-09	2.30E-09	0.00E+00	4.71E-09
5555	482042.82	3768594.41	2.3E-08	1.04E-08	0.00E+00	3.34E-08	2.28E-08	1.51E-08	0.00E+00	3.79E-08	4.18E-09	2.57E-09	0.00E+00	6.75E-09	2.33E-09	2.22E-09	0.00E+00	4.55E-09
5556	482038.92	3768603.58	2.221E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.65E-08	4.03E-09	2.48E-09	0.00E+00	6.52E-09	2.25E-09	2.14E-09	0.00E+00	4.39E-09
5557	482035.03	3768612.75	2.142E-08	9.66E-09	0.00E+00	3.11E-08	2.12E-08	1.41E-08	0.00E+00	3.52E-08	3.89E-09	2.39E-09	0.00E+00	6.29E-09	2.17E-09	2.07E-09	0.00E+00	4.24E-09
5558	482031.14	3768621.92	2.066E-08	9.32E-09	0.00E+00	3.00E-08	2.04E-08	1.36E-08	0.00E+00	3.40E-08	3.75E-09	2.31E-09	0.00E+00	6.06E-09	2.10E-09	1.99E-09	0.00E+00	4.09E-09
5559	482027.25	3768631.09	1.994E-08	8.99E-09	0.00E+00	2.89E-08	1.97E-08	1.31E-08	0.00E+00	3.28E-08	3.62E-09	2.23E-09	0.00E+00	5.85E-09	2.02E-09	1.92E-09	0.00E+00	3.95E-09
5560	482023.35	3768640.26	1.926E-08	8.68E-09	0.00E+00	2.79E-08	1.91E-08	1.26E-08	0.00E+00	3.17E-08	3.50E-09	2.15E-09	0.00E+00	5.65E-09	1.95E-09	1.86E-09	0.00E+00	3.81E-09
5561	482019.46	3768649.44	1.861E-08	8.39E-09	0.00E+00	2.70E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.38E-09	2.08E-09	0.00E+00	5.46E-09	1.89E-09	1.79E-09	0.00E+00	3.68E-09
5562	482015.57	3768658.61	1.799E-08	8.11E-09	0.00E+00	2.61E-08	1.78E-08	1.18E-08	0.00E+00	2.96E-08	3.27E-09	2.01E-09	0.00E+00	5.28E-09	1.82E-09	1.74E-09	0.00E+00	3.56E-09
5563	482007.78	3768676.95	1.681E-08	7.58E-09	0.00E+00	2.44E-08	1.66E-08	1.10E-08	0.00E+00	2.77E-08	3.05E-09	1.88E-09	0.00E+00	4.93E-09	1.70E-09	1.62E-09	0.00E+00	3.33E-09
5564	482003.89	3768686.12	1.613E-08	7.28E-09	0.00E+00	2.34E-08	1.60E-08	1.06E-08	0.00E+00	2.65E-08	2.93E-09	1.80E-09	0.00E+00	4.73E-09	1.64E-09	1.56E-09	0.00E+00	3.19E-09
5565	482000	3768695.29	1.548E-08	6.98E-09	0.00E+00	2.25E-08	1.53E-08	1.02E-08	0.00E+00	2.55E-08	2.81E-09	1.73E-09	0.00E+00	4.54E-09	1.57E-09	1.49E-09	0.00E+00	3.06E-09
5566	481996.11	3768704.46	1.486E-08	6.70E-09	0.00E+00	2.16E-08	1.47E-08	9.75E-09	0.00E+00	2.45E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
5567	481992.21	3768713.64	1.426E-08	6.43E-09	0.00E+00	2.07E-08	1.41E-08	9.36E-09	0.00E+00	2.35E-08	2.59E-09	1.59E-09	0.00E+00	4.18E-09	1.45E-09	1.38E-09	0.00E+00	2.82E-09
5568	481988.32	3768722.81	1.367E-08	6.17E-09	0.00E+00	1.98E-08	1.35E-08	8.97E-09	0.00E+00	2.25E-08	2.48E-09	1.53E-09	0.00E+00	4.01E-09	1.39E-09	1.32E-09	0.00E+00	2.71E-09
5569	481984.43	3768731.98	1.309E-08	5.90E-09	0.00E+00	1.90E-08	1.29E-08	8.59E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5570	481980.54	3768741.15	1.254E-08	5.66E-09	0.00E+00	1.82E-08	1.24E-08	8.23E-09	0.00E+00	2.06E-08	2.28E-09	1.40E-09	0.00E+00	3.68E-09	1.27E-09	1.21E-09	0.00E+00	2.48E-09
5571	481937.72	3768842.04	8.403E-09	3.79E-09	0.00E+00	1.22E-08	8.31E-09	5.51E-09	0.00E+00	1.38E-08	1.53E-09	9.39E-10	0.00E+00	2.47E-09	8.52E-10	8.11E-10	0.00E+00	1.66E-09
5572	481933.83	3768851.21	8.16E-09	3.68E-09	0.00E+00	1.18E-08	8.07E-09	5.35E-09	0.00E+00	1.34E-08	1.48E-09	9.12E-10	0.00E+00	2.39E-09	8.28E-10	7.87E-10	0.00E+00	1.61E-09
5573	481929.93	3768860.38	7.931E-09	3.58E-09	0.00E+00	1.15E-08	7.85E-09	5.20E-09	0.00E+00	1.31E-08	1.44E-09	8.86E-10	0.00E+00	2.33E-09	8.04E-10	7.65E-10	0.00E+00	1.57E-09
5574	481926.04	3768869.55	7.717E-09	3.48E-09	0.00E+00	1.12E-08	7.64E-09	5.06E-09	0.00E+00	1.27E-08	1.40E-09	8.63E-10	0.00E+00	2.26E-09	7.83E-10	7.45E-10	0.00E+00	1.53E-09
5575	481922.15	3768878.72	7.51E-09	3.39E-09	0.00E+00	1.09E-08	7.43E-09	4.93E-09	0.00E+00	1.24E-08	1.36E-09	8.39E-10	0.00E+00	2.20E-09	7.62E-10	7.25E-10	0.00E+00	1.49E-09
5576	481918.26	3768887.9	7.31E-09	3.30E-09	0.00E+00	1.06E-08	7.23E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.17E-10	0.00E+00	2.15E-09	7.41E-10	7.05E-10	0.00E+00	1.45E-09
5577	481914.36	3768897.07	7.123E-09	3.21E-09	0.00E+00	1.03E-08	7.05E-09	4.67E-09	0.00E+00	1.17E-08	1.29E-09	7.96E-10	0.00E+00	2.09E-09	7.22E-10	6.87E-10	0.00E+00	1.41E-09
5578

5600	481703.13	3768996.99	6.27E-09	2.83E-09	0.00E+00	9.10E-09	6.20E-09	4.11E-09	0.00E+00	1.03E-08	1.14E-09	7.01E-10	0.00E+00	1.84E-09	6.36E-10	6.05E-10	0.00E+00	1.24E-09
5601	481693.88	3769000.7	6.253E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.99E-10	0.00E+00	1.83E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
5602	481684.64	3769004.41	6.231E-09	2.81E-09	0.00E+00	9.04E-09	6.17E-09	4.09E-09	0.00E+00	1.03E-08	1.13E-09	6.96E-10	0.00E+00	1.83E-09	6.32E-10	6.01E-10	0.00E+00	1.23E-09
5603	481675.39	3769008.12	6.204E-09	2.80E-09	0.00E+00	9.00E-09	6.14E-09	4.07E-09	0.00E+00	1.02E-08	1.13E-09	6.93E-10	0.00E+00	1.82E-09	6.29E-10	5.99E-10	0.00E+00	1.23E-09
5604	481666.14	3769011.82	6.179E-09	2.79E-09	0.00E+00	8.97E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5605	481656.89	3769015.53	6.158E-09	2.78E-09	0.00E+00	8.93E-09	6.09E-09	4.04E-09	0.00E+00	1.01E-08	1.12E-09	6.88E-10	0.00E+00	1.81E-09	6.25E-10	5.94E-10	0.00E+00	1.22E-09
5606	481647.65	3769019.24	6.146E-09	2.77E-09	0.00E+00	8.92E-09	6.08E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.80E-09	6.23E-10	5.93E-10	0.00E+00	1.22E-09
5607	481638.4	3769022.95	6.254E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.99E-10	0.00E+00	1.84E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
5608	481629.15	3769026.66	6.235E-09	2.81E-09	0.00E+00	9.05E-09	6.17E-09	4.09E-09	0.00E+00	1.03E-08	1.13E-09	6.97E-10	0.00E+00	1.83E-09	6.32E-10	6.02E-10	0.00E+00	1.23E-09
5609	481619.9	3769030.37	6.215E-09	2.80E-09	0.00E+00	9.02E-09	6.15E-09	4.08E-09	0.00E+00	1.02E-08	1.13E-09	6.95E-10	0.00E+00	1.82E-09	6.30E-10	6.00E-10	0.00E+00	1.23E-09
5610	481610.65	3769034.07	6.197E-09	2.79E-09	0.00E+00	8.99E-09	6.13E-09	4.07E-09	0.00E+00	1.02E-08	1.13E-09	6.93E-10	0.00E+00	1.82E-09	6.29E-10	5.98E-10	0.00E+00	1.23E-09
5611	481601.41	3769037.78	6.179E-09	2.79E-09	0.00E+00	8.97E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5612	481592.16	3769041.49	6.165E-09	2.78E-09	0.00E+00	8.94E-09	6.10E-09	4.05E-09	0.00E+00	1.01E-08	1.12E-09	6.89E-10	0.00E+00	1.81E-09	6.25E-10	5.95E-10	0.00E+00	1.22E-09
5613	481582.91	3769045.2	6.151E-09	2.77E-09	0.00E+00	8.93E-09	6.09E-09	4.04E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.81E-09	6.24E-10	5.93E-10	0.00E+00	1.22E-09
5614	481573.66	3769048.91	6.139E-09	2.77E-09	0.00E+00	8.91E-09	6.07E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.86E-10	0.00E+00	1.80E-09	6.23E-10	5.92E-10	0.00E+00	1.21E-09
5615	481564.42	3769052.62	6.127E-09	2.76E-09	0.00E+00	8.89E-09	6.06E-09	4.02E-09	0.00E+00	1.01E-08	1.11E-09	6.85E-10	0.00E+00	1.80E-09	6.21E-10	5.91E-10	0.00E+00	1.21E-09
5616	481555.17	3769056.32	6.117E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.84E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
5617	481545.92	3769060.03	6.108E-09	2.75E-09	0.00E+00	8.86E-09	6.04E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.83E-10	0.00E+00	1.79E-09	6.20E-10	5.89E-10	0.00E+00	1.21E-09
5618	482070.07	3768530.21	2.831E-08	1.28E-08	0.00E+00	4.11E-08	2.80E-08	1.86E-08	0.00E+00	4.66E-08	5.14E-09	3.16E-09	0.00E+00	8.31E-09	2.87E-09	2.73E-09	0.00E+00	5.60E-09
5619	482070.14	3768520.23	2.932E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.83E-08	5.33E-09	3.28E-09	0.00E+00	8.61E-09	2.97E-09	2.83E-09	0.00E+00	5.80E-09
5620	482070.21	3768510.25	3.032E-08	1.37E-08	0.00E+00	4.40E-08	3.00E-08	1.99E-08	0.00E+00	4.99E-08	5.51E-09	3.39E-09	0.00E+00	8.90E-09	3.08E-09	2.93E-09	0.00E+00	6.00E-09
5621	482070.29	3768500.27	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.69E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
5622	482070.36	3768490.29	3.223E-08	1.45E-08	0.00E+00	4.68E-08	3.19E-08	2.12E-08	0.00E+00	5.30E-08	5.86E-09	3.60E-09	0.00E+00	9.46E-09	3.27E-09	3.11E-09	0.00E+00	6.38E-09
5623	482070.43	3768480.31	3.313E-08	1.49E-08	0.00E+00	4.81E-08	3.28E-08	2.17E-08	0.00E+00	5.45E-08	6.02E-09	3.70E-09	0.00E+00	9.72E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
5624	482070.51	3768470.33	3.398E-08	1.53E-08	0.00E+00	4.93E-08	3.36E-08	2.23E-08	0.00E+00	5.59E-08	6.17E-09	3.80E-09	0.00E+00	9.97E-09	3.45E-09	3.28E-09	0.00E+00	6.73E-09
5625	482070.58	3768460.35	3.478E-08	1.57E-08	0.00E+00	5.05E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.32E-09	3.89E-09	0.00E+00	1.02E-08	3.53E-09	3.36E-09	0.00E+00	6.88E-09
5626	482070.65	3768450.37	3.552E-08	1.60E-08	0.00E+00	5.15E-08	3.51E-08	2.33E-08	0.00E+00	5.84E-08	6.45E-09	3.97E-09	0.00E+00	1.04E-08	3.60E-09	3.43E-09	0.00E+00	7.03E-09
5627	482070.73	3768440.4	3.618E-08	1.63E-08	0.00E+00	5.25E-08	3.58E-08	2.37E-08	0.00E+00	5.95E-08	6.57E-09	4.04E-09	0.00E+00	1.06E-08	3.67E-09	3.49E-09	0.00E+00	7.16E-09
5628	482070.8	3768430.42	3.678E-08	1.66E-08	0.00E+00	5.34E-08	3.64E-08	2.41E-08	0.00E+00	6.05E-08	6.68E-09	4.11E-09	0.00E+00	1.08E-08	3.73E-09	3.55E-09	0.00E+00	7.28E-09
5629	482070.87	3768420.44	3.73E-08	1.68E-08	0.00E+00	5.41E-08	3.69E-08	2.45E-08	0.00E+00	6.14E-08	6.78E-09	4.17E-09	0.00E+00	1.09E-08	3.78E-09	3.60E-09	0.00E+00	7.38E-09
5630	482070.95	3768410.46	3.774E-08	1.70E-08	0.00E+00	5.48E-08	3.73E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
5631	482071.02	3768400.48	3.809E-08	1.72E-08	0.00E+00	5.53E-08	3.77E-08	2.50E-08	0.00E+00	6.27E-08	6.92E-09	4.26E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.54E-09
5632	482071.09	3768390.5	3.836E-08	1.73E-08	0.00E+00	5.57E-08	3.80E-08	2.52E-08	0.00E+00	6.31E-08	6.97E-09	4.29E-09	0.00E+00	1.13E-08	3.89E-09	3.70E-09	0.00E+00	7.59E-09
5633	482071.17	3768380.52	3.855E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
5634	482071.24	3768370.54	3.864E-08	1.74E-08	0.00E+00	5.61E-08	3.82E-08	2.54E-08	0.00E+00	6.36E-08	7.02E-09	4.32E-09	0.00E+00	1.13E-08	3.92E-09	3.73E-09	0.00E+00	7.65E-09
5635	482071.31	3768360.56	3.865E-08	1.74E-08	0.00E+00	5.61E-08	3.82E-08	2.54E-08	0.00E+00	6.36E-08	7.02E-09	4.32E-09	0.00E+00	1.13E-08	3.92E-09	3.73E-09	0.00E+00	7.65E-09
5636	482071.39	3768350.59	3.858E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.64E-09
5637	482096.23	3768539.46	2.586E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.49E-09	0.00E+00	5.12E-09
5638	482092.4	3768548.49	2.52E-08	1.14E-08	0.00E+00	3.66E-08	2.49E-08	1.65E-08	0.00E+00	4.15E-08	4.58E-09	2.82E-09	0.00E+00	7.40E-09	2.56E-09	2.43E-09	0.00E+00	4.99E-09
5639	482088.57	3768557.52	2.453E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.85E-09
5640	482084.73	3768566.55	2.385E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.56E-08	0.00E+00	3.92E-08	4.33E-09	2.67E-09	0.00E+00	7.00E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
5641	482080.9	3768575.58	2.315E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.79E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
5642	482077.07	3768584.61	2.244E-08	1.01E-08	0.00E+00	3.26E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.59E-09	2.28E-09	2.17E-09	0.00E+00	4.44E-09
5643	482073.23	3768593.65	2.173E-08	9.80E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.38E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
5644	482069.4	3768602.68	2.102E-08	9.48E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.17E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
5645	482065.57	3768611.71	2.031E-08	9.16E-09	0.00E+00	2.95E-08	2.01E-08	1.33E-08	0.00E+00	3.34E-08	3.69E-09	2.27E-09	0.00E+00	5.96E-09	2.06E-09	1.96E-09	0.00E+00	4.02E-09
5646	482061.73	3768620.74	1.962E-08	8.85E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.56E-09	2.19E-09	0.00E+00	5.76E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
5647	482057.9	3768629.77	1.893E-08	8.53E-09	0.00E+00	2.75E-08	1.87E-08	1.24E-08	0.00E+00	3.11E-08	3.44E-09	2.12E-09	0.00E+00	5.55E-09	1.92E-09	1.83E-09	0.00E+00	3.75E-09
5648	482054.07	3768638.8	1.825E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.32E-09	2.04E-09	0.00E+00	5.36E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
5649	482050.24	3768647.83	1.76E-08	7.93E-09	0.00E+00	2.55E-08	1.74E-08	1.15E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.16E-09	1.78E-09	1.70E-09	0.00E+00	3.48E-09
5650	482046.4	3768656.86	1.702E-08	7.68E-09	0.00E+00	2.47E-08	1.68E-08	1.12E-08	0.00E+00	2.80E-08	3.09E-09	1.90E-09	0.00E+00	4.99E-09	1.73E-09	1.64E-09	0.00E+00	3.37E-09
5651	482038.74	3768674.93	1.593E-08	7.18E-09	0.00E+00	2.31E-08	1.58E-08	1.05E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.68E-09	1.62E-09	1.54E-09	0.00E+00	3.15E-09
5652	482034.9	3768683.96	1.533E-08	6.91E-09	0.00E+00	2.22E-08	1.52E-08	1.01E-08	0.00E+00	2.52E-08	2.79E-09	1.71E-09	0.00E+00	4.50E-09	1.56E-09	1.48E-09	0.00E+00	3.03E-09
5653	482031.07	3768692.99	1.474E-08	6.65E-09	0.00E+00	2.14E-08	1.46E-08	9.67E-09	0.00E+00	2.43E-08	2.68E-09	1.65E-09	0.00E+00	4.33E-09	1.49E-09	1.42E-09	0.00E+00	2.92E-09
5654	482027.24	3768702.02	1.417E-08	6.39E-09	0.00E+00	2.06E-08	1.40E-08	9.30E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.16E-09	1.44E-09	1.37E-09	0.00E+00	2.80E-09
5655	482023.4	3768711.05	1.362E-08	6.14E-09	0.00E+00	1.98E-08	1.35E-08	8.94E-09	0.00E+00	2.24E-08	2.48E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.31E-09	0.00E+00	2.70E-09
5656	482019.57	3768720.08	1.31E-08	5.91E-09	0.00E+00	1.90E-08	1.30E-08	8.60E-09	0.00E+00	2.16E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5657	482015.74	3768729.11	1.26E-08	5.68E-09	0.00E+00	1.83E-08	1.25E-08	8.27E-09	0.00E+00	2.07E-08	2.29E-09	1.41E-09	0.00E+00	3.70E-09	1.28E-09	1.22E-09	0.00E+00	2.49E-09
5658	482011.9	3768738.15	1.213E-08	5.47E-09	0.00E+00	1.76E-08	1.20E-08	7.96E-09	0.00E+00	2.00E-08	2.20E-09	1.36E-09	0.00E+00	3.56E-09	1.23E-09	1.17E-09	0.00E+00	2.40E-09
5659	481965.91	3768846.52	8.072E-09	3.64E-09	0.00E+00	1.17E-08	7.99E-09	5.30E-09	0.00E+00	1.33E-08	1.47E-09	9.02E-10	0.00E+00	2.37E-09	8.19E-10	7.79E-10	0.00E+00	1.60E-09
5660	481962.08	3768855.55	7.855E-09	3.54E-09	0.00E+00	1.14E-08	7.77E-09	5.15E-09	0.00E+00	1.29E-08	1.43E-09	8.78E-10	0.00E+00	2.31E-09	7.97E-10	7.58E-10	0.00E+00	1.55E-09
5661	481958.24	3768864.58	7.629E-09	3.44E-09	0.00E+00	1.11E-08	7.55E-09	5.01E-09	0.00E+00	1.26E-08	1.39E-09	8.53E-10	0.00E+00	2.24E-09	7.74E-10	7.36E-10	0.00E+00	1.51E-09
5662	481954.41	3768873.62	7.414E-09	3.34E-09	0.00E+00	1.08E-08	7.34E-09	4.87E-09	0.00E+00	1.22E-08	1.35E-09	8.29E-10	0.00E+00	2.18E-09	7.52E-10	7.15E-10	0.00E+00	1.47E-09
5663	481950.58	3768882.65	7.215E-09	3.25E-09	0.00E+00	1.05E-08	7.14E-09	4.73E-09	0.00E+00	1.19E-08	1.31E-09	8.06E-10	0.00E+00	2.12E-09	7.32E-10	6.96E-10	0.00E+00	1.43E-09
5664	481946.74	3768891.68	7.035E-09	3.17E-09	0.00E+00	1.02E-08	6.96E-09	4.62E-09	0.00E+00	1.16E-08	1.28E-09	7.86E-10	0.00E+00	2.06E-09	7.14E-10	6.79E-10	0.00E+00	1.39E-09
5665	481942.91	3768900.71	6.868E-09	3.10E-09	0.00E+00	9.97E-09	6.80E-09	4.51E-09	0.00E+00	1.13E-08	1.25E-09	7.68E-10	0.00E+00	2.02E-09	6.97E-10	6.63E-10	0.00E+00	1.36E-09
5666	481918.47	3768940.49	6.239E-09	2.81E-09	0.00E+00	9.05E-09	6.17E-09	4.09E-09	0.00E+00	1.03E-08	1.13E-09	6.97E-10	0.00E+00	1.83E-09	6.33E-10	6.02E-10	0.00E+00	1.23E-09
5667	481909.37	3768944.14	6.216E-09	2.80E-09	0.00E+00	9.02E-09	6.15E-09	4.08E-09	0.00E+00	1.02E-08	1.13E-09	6.95E-10	0.00E+00	1.82E-09	6.31E-10	6.00E-10	0.00E+00	1.23E-09
5668	481900.26	3768947.79	6.193E-09	2.79E-09	0.00E+00	8.99E-09	6.13E-09	4.06E-09	0.00E+00	1.02E-08	1.13E-09	6.92E-10	0.00E+00	1.82E-09	6.28E-10	5.97E-10	0.00E+00	1.23E-09
5669	481891.15	3768951.44	6.179E-09	2.79E-09	0.00E+00	8.97E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5670	481882.05	3768955.09	6.162E-09	2.78E-09	0.00E+00	8.94E-09	6.10E-09	4.04E-09	0.00E+00	1.01E-08	1.12E-09	6.89E-10	0.00E+00	1.81E-09	6.25E-10	5.94E-10	0.00E+00	1.22E-09
5671	481872.94	3768958.74	6.143E-09	2.77E-09	0.00E+00	8.91E-09	6.08E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.80E-09	6.23E-10	5.93E-10	0.00E+00	1.22E-09
5672	481863.83	3768962.4	6.12E-09	2.76E-09	0.00E+00	8.88E-09	6.06E-09	4.02E-09	0.00E+00	1.01E-08	1.11E-09	6.84E-10	0.00E+00	1.80E-09	6.21E-10	5.90E-10	0.00E+00	1.21E-09
5673	481854.73	3768966.05	6.1E-09	2.75E-09	0.00E+00	8.85E-09	6.04E-09	4.00E-09	0.00E+00	1.00E-08	1.11E-09	6.82E-10	0.00E+00	1.79E-09	6.19E-10	5.88E-10	0.00E+00	1.21E-09
5674	481845.62	3768969.7	6.082E-09	2.74E-09	0.00E+00	8.82E-09	6.02E-09	3.99E-09	0.00E+00	1.00E-08	1.11E-09	6.80E-10	0.00E+00	1.78E-09	6.17E-10	5.87E-10	0.00E+00	1.20E-09
5675	481836.52	3768973.35	6.067E-09	2.74E-09	0.00E+00	8.80E-09	6.00E-09	3.98E-09	0.00E+00	9.98E-09	1.10E-09	6.78E-10	0.00E+00	1.78E-09	6.15E-10	5.85E-10	0.00E+00	1.20E-09
5676	481827.41	3768977	6.052E-09	2.73E-09	0.00E+00	8.78E-09	5.99E-09	3.97E-09	0.00E+00	9.96E-09	1.10E-09	6.76E-10	0.00E+00	1.78E-09	6.14E-10	5.84E-10	0.00E+00	1.20E-09
5677	481818.3	3768980.65	6.035E-09	2.72E-09	0.00E+00	8.76E-09	5.97E-09	3.96E-09	0.00E+00	9.93E-09	1.10E-09	6.74E-10	0.00E+00	1.77E-09	6.12E-10	5.82E-10	0.00E+00	1.19E-09
5678	481809.2	3768984.3	6.013E-09	2.71E-09	0.00E+00	8.72E-09	5.95E-09	3.95E-09	0.00E+00	9.90E-09	1.09E-09	6.72E-10	0.00E+00	1.76E-09	6.10E-10	5.80E-10	0.00E+00	1.19E-09
5679	481800.09	3768987.96	5.986E-09	2.70E-09	0.00E+00	8.69E-09	5.92E-09	3.93E-09	0.00E+00	9.85E-09	1.09E-09	6.69E-10	0.00E+00	1.76E-09	6.07E-10	5.78E-10	0.00E+00	1.18E-09
5680	481790.98	3768991.61	5.962E-09	2.69E-09	0.00E+00	8.65E-09	5.90E-09	3.91E-09	0.00E+00	9.81E-09	1.08E-09	6.66E-10	0.00E+00	1.75E-09	6.05E-10	5.75E-10	0.00E+00	1.18E-09
5681	481781.88	3768995.26	5.94E-09	2.68E-09	0.00E+00	8.62E-09	5.88E-09	3.90E-09	0.00E+00	9.78E-09	1.08E-09	6.64E-10	0.00E+00	1.74E-09	6.03E-10	5.73E-10	0.00E+00	1.18E-09
5682	481772.77	3768998.91	5.922E-09	2.67E-09	0.00E+00	8.59E-09	5.86E-09	3.89E-09	0.00E+00	9.75E-09	1.08E-09	6.62E-10	0.00E+00	1.74E-09	6.01E-10	5.71E-10	0.00E+00	1.17E-09
5683	481763.67	3769002.56	5.904E-09	2.66E-09	0.00E+00	8.57E-09	5.84E-09	3.87E-09	0.00E+00	9.72E-09	1.07E-09	6.60E-10	0.00E+00	1.73E-09	5.99E-10	5.70E-10	0.00E+00	1.17E-09
5684	481754.56	3769006.21	5.887E-09	2.65E-09	0.00E+00	8.54E-09	5.83E-09	3.86E-09	0.00E+00	9.69E-09	1.07E-09	6.58E-10	0.00E+00	1.73E-09	5.97E-10	5.68E-10	0.00E+00	1.17E-09
5685	481745.45	3769009.87	5.865E-09	2.65E-09	0.00E+00	8.51E-09	5.80E-09	3.85E-09	0.00E+00	9.65E-09	1.07E-09	6.56E-10	0.00E+00	1.72E-09	5.95E-10	5.66E-10	0.00E+00	1.16E-09
5686	481736.35	3769013.52	5.839E-09	2.63E-09	0.00E+00	8.47E-09	5.78E-09	3.83E-09	0.00E+00	9.61E-09	1.06E-09	6.53E-10	0.00E+00	1.71E-09	5.92E-10	5.63E-10	0.00E+00	1.16E-09
5687	481727.24	3769017.17	5.814E-09	2.62E-09	0.00E+00	8.44E-09	5.75E-09	3.81E-09	0.00E+00	9.57E-09	1.06E-09	6.50E-10	0.00E+00	1.71E-09	5.90E-10	5.61E-10	0.00E+00	1.15E-09
5688	481718.14	3769020.82	5.79E-09	2.61E-09	0.00E+00	8.40E-09	5.73E-09	3.80E-09	0.00E+00	9.53E-09	1.05E-09	6.47E-10	0.00E+00	1.70E-09	5.87E-10	5.59E-10	0.00E+00	1.15E-09
5689	481709.03	3769024.47	5.775E-09	2.60E-09	0.00E+00	8.38E-09	5.71E-09	3.79E-09	0.00E+00	9.50E-09	1.05E-09	6.45E-10	0.00E+00	1.69E-09	5.86E-10	5.57E-10	0.00E+00	1.14E-09
5690	481699.92	3769028.12	5.761E-09	2.60E-09	0.00E+00	8.36E-09	5.70E-09	3.78E-09	0.00E+00	9.48E-09	1.05E-09	6.44E-10	0.00E+00	1.69E-09	5.84E-10	5.56E-10	0.00E+00	1.14E-09
5691	481690.82	3769031.77	5.747E-09	2.59E-09	0.00E+00	8.34E-09	5.69E-09	3.77E-09	0.00E+00	9.46E-09	1.04E-09	6.42E-10	0.00E+00	1.69E-09	5.83E-10	5.54E-10	0.00E+00	1.14E-09
5692	481681.71	3769035.43	5.726E-09	2.58E-09	0.00E+00	8.31E-09	5.67E-09	3.76E-09	0.00E+00	9.42E-09	1.04E-09	6.40E-10	0.00E+00	1.68E-09	5.81E-10	5.52E-10	0.00E+00	1.13E-09
5693	481672.6	3769039.08	5.704E-09	2.57E-09	0.00E+00	8.28E-09	5.64E-09	3.74E-09	0.00E+00	9.39E-09	1.04E-09	6.37E-10	0.00E+00	1.67E-09	5.79E-10	5.50E-10	0.00E+00	1.13E-09
5694	481663.5	3769042.73	5.683E-09	2.56E-09	0.00E+00	8.25E-09	5.62E-09	3.73E-09	0.00E+00	9.35E-09	1.03E-09	6.35E-10	0.00E+00	1.67E-09	5.76E-10	5.48E-10	0.00E+00	1.12E-09
5695	481654.39	3769046.38	5.669E-09	2.56E-09	0.00E+00	8.23E-09	5.61E-09	3.72E-09	0.00E+00	9.33E-09	1.03E-09	6.34E-10	0.00E+00	1.66E-09	5.75E-10	5.47E-10	0.00E+00	1.12E-09

5718	482100.8	3768430.64	3.413E-08	1.54E-08	0.00E+00	4.95E-08	3.38E-08	2.24E-08	0.00E+00	5.62E-08	6.20E-09	3.81E-09	0.00E+00	1.00E-08	3.46E-09	3.29E-09	0.00E+00	6.75E-09
5719	482100.87	3768420.66	3.461E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.70E-08	6.29E-09	3.87E-09	0.00E+00	1.02E-08	3.51E-09	3.34E-09	0.00E+00	6.85E-09
5720	482100.94	3768410.68	3.502E-08	1.58E-08	0.00E+00	5.08E-08	3.47E-08	2.30E-08	0.00E+00	5.76E-08	6.36E-09	3.91E-09	0.00E+00	1.03E-08	3.55E-09	3.38E-09	0.00E+00	6.93E-09
5721	482101.02	3768400.7	3.536E-08	1.59E-08	0.00E+00	5.13E-08	3.50E-08	2.32E-08	0.00E+00	5.82E-08	6.42E-09	3.95E-09	0.00E+00	1.04E-08	3.59E-09	3.41E-09	0.00E+00	7.00E-09
5722	482101.09	3768390.72	3.562E-08	1.61E-08	0.00E+00	5.17E-08	3.52E-08	2.34E-08	0.00E+00	5.86E-08	6.47E-09	3.98E-09	0.00E+00	1.05E-08	3.61E-09	3.44E-09	0.00E+00	7.05E-09
5723	482101.16	3768380.74	3.581E-08	1.61E-08	0.00E+00	5.20E-08	3.54E-08	2.35E-08	0.00E+00	5.89E-08	6.51E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.09E-09
5724	482101.24	3768370.76	3.592E-08	1.62E-08	0.00E+00	5.21E-08	3.55E-08	2.36E-08	0.00E+00	5.91E-08	6.53E-09	4.01E-09	0.00E+00	1.05E-08	3.64E-09	3.47E-09	0.00E+00	7.11E-09
5725	482101.31	3768360.78	3.596E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
5726	482126.2	3768539.74	2.43E-08	1.10E-08	0.00E+00	3.53E-08	2.40E-08	1.59E-08	0.00E+00	4.00E-08	4.41E-09	2.72E-09	0.00E+00	7.13E-09	2.46E-09	2.34E-09	0.00E+00	4.81E-09
5727	482122.34	3768548.84	2.369E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.29E-09	0.00E+00	4.69E-09
5728	482118.48	3768557.94	2.306E-08	1.04E-08	0.00E+00	3.35E-08	2.28E-08	1.51E-08	0.00E+00	3.80E-08	4.19E-09	2.58E-09	0.00E+00	6.77E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
5729	482114.62	3768567.04	2.242E-08	1.01E-08	0.00E+00	3.25E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.07E-09	2.51E-09	0.00E+00	6.58E-09	2.27E-09	2.16E-09	0.00E+00	4.44E-09
5730	482110.76	3768576.14	2.176E-08	9.81E-09	0.00E+00	3.16E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.39E-09	2.21E-09	2.10E-09	0.00E+00	4.31E-09
5731	482106.9	3768585.24	2.111E-08	9.52E-09	0.00E+00	3.06E-08	2.09E-08	1.39E-08	0.00E+00	3.47E-08	3.84E-09	2.36E-09	0.00E+00	6.20E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
5732	482103.03	3768594.33	2.047E-08	9.23E-09	0.00E+00	2.97E-08	2.03E-08	1.34E-08	0.00E+00	3.37E-08	3.72E-09	2.29E-09	0.00E+00	6.01E-09	2.08E-09	1.97E-09	0.00E+00	4.05E-09
5733	482099.17	3768603.43	1.982E-08	8.94E-09	0.00E+00	2.88E-08	1.96E-08	1.30E-08	0.00E+00	3.26E-08	3.60E-09	2.21E-09	0.00E+00	5.81E-09	2.01E-09	1.91E-09	0.00E+00	3.92E-09
5734	482095.31	3768612.53	1.917E-08	8.64E-09	0.00E+00	2.78E-08	1.90E-08	1.26E-08	0.00E+00	3.15E-08	3.48E-09	2.14E-09	0.00E+00	5.62E-09	1.94E-09	1.85E-09	0.00E+00	3.79E-09
5735	482091.45	3768621.63	1.853E-08	8.36E-09	0.00E+00	2.69E-08	1.83E-08	1.22E-08	0.00E+00	3.05E-08	3.37E-09	2.07E-09	0.00E+00	5.44E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
5736	482087.59	3768630.73	1.791E-08	8.08E-09	0.00E+00	2.60E-08	1.77E-08	1.18E-08	0.00E+00	2.95E-08	3.25E-09	2.00E-09	0.00E+00	5.26E-09	1.82E-09	1.73E-09	0.00E+00	3.54E-09
5737	482083.73	3768639.82	1.728E-08	7.79E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.84E-08	3.14E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
5738	482079.87	3768648.92	1.666E-08	7.51E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.74E-08	3.03E-09	1.86E-09	0.00E+00	4.89E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
5739	482076	3768658.02	1.607E-08	7.25E-09	0.00E+00	2.33E-08	1.59E-08	1.05E-08	0.00E+00	2.64E-08	2.92E-09	1.80E-09	0.00E+00	4.72E-09	1.63E-09	1.55E-09	0.00E+00	3.18E-09
5740	482068.28	3768676.22	1.498E-08	6.75E-09	0.00E+00	2.17E-08	1.48E-08	9.83E-09	0.00E+00	2.47E-08	2.72E-09	1.67E-09	0.00E+00	4.40E-09	1.52E-09	1.44E-09	0.00E+00	2.96E-09
5741	482064.42	3768685.31	1.443E-08	6.51E-09	0.00E+00	2.09E-08	1.43E-08	9.47E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.24E-09	1.46E-09	1.39E-09	0.00E+00	2.86E-09
5742	482060.56	3768694.41	1.389E-08	6.27E-09	0.00E+00	2.02E-08	1.37E-08	9.12E-09	0.00E+00	2.29E-08	2.52E-09	1.55E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
5743	482056.7	3768703.51	1.336E-08	6.03E-09	0.00E+00	1.94E-08	1.32E-08	8.77E-09	0.00E+00	2.20E-08	2.43E-09	1.49E-09	0.00E+00	3.92E-09	1.36E-09	1.29E-09	0.00E+00	2.64E-09
5744	482052.84	3768712.61	1.287E-08	5.80E-09	0.00E+00	1.87E-08	1.27E-08	8.45E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.78E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
5745	482048.97	3768721.71	1.241E-08	5.60E-09	0.00E+00	1.80E-08	1.23E-08	8.15E-09	0.00E+00	2.04E-08	2.26E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
5746	482002.64	3768830.89	8.202E-09	3.70E-09	0.00E+00	1.19E-08	8.12E-09	5.38E-09	0.00E+00	1.35E-08	1.49E-09	9.17E-10	0.00E+00	2.41E-09	8.32E-10	7.91E-10	0.00E+00	1.62E-09
5747	481998.78	3768839.98	7.974E-09	3.60E-09	0.00E+00	1.16E-08	7.89E-09	5.23E-09	0.00E+00	1.31E-08	1.45E-09	8.91E-10	0.00E+00	2.34E-09	8.09E-10	7.69E-10	0.00E+00	1.58E-09
5748	481994.91	3768849.08	7.757E-09	3.50E-09	0.00E+00	1.13E-08	7.68E-09	5.09E-09	0.00E+00	1.28E-08	1.41E-09	8.67E-10	0.00E+00	2.28E-09	7.87E-10	7.48E-10	0.00E+00	1.54E-09
5749	481991.05	3768858.18	7.547E-09	3.40E-09	0.00E+00	1.10E-08	7.47E-09	4.95E-09	0.00E+00	1.24E-08	1.37E-09	8.43E-10	0.00E+00	2.21E-09	7.66E-10	7.28E-10	0.00E+00	1.49E-09
5750	481987.19	3768867.28	7.334E-09	3.31E-09	0.00E+00	1.06E-08	7.26E-09	4.81E-09	0.00E+00	1.21E-08	1.33E-09	8.20E-10	0.00E+00	2.15E-09	7.44E-10	7.07E-10	0.00E+00	1.45E-09
5751	481983.33	3768876.38	7.131E-09	3.22E-09	0.00E+00	1.03E-08	7.06E-09	4.68E-09	0.00E+00	1.17E-08	1.30E-09	7.97E-10	0.00E+00	2.09E-09	7.23E-10	6.88E-10	0.00E+00	1.41E-09
5752	481979.47	3768885.47	6.941E-09	3.13E-09	0.00E+00	1.01E-08	6.87E-09	4.55E-09	0.00E+00	1.14E-08	1.26E-09	7.76E-10	0.00E+00	2.04E-09	7.04E-10	6.70E-10	0.00E+00	1.37E-09
5753	481975.61	3768894.57	6.773E-09	3.05E-09	0.00E+00	9.83E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.57E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5754	481971.75	3768903.67	6.614E-09	2.98E-09	0.00E+00	9.60E-09	6.54E-09	4.34E-09	0.00E+00	1.09E-08	1.20E-09	7.39E-10	0.00E+00	1.94E-09	6.71E-10	6.38E-10	0.00E+00	1.31E-09
5755	481967.88	3768912.77	6.462E-09	2.91E-09	0.00E+00	9.38E-09	6.39E-09	4.24E-09	0.00E+00	1.06E-08	1.17E-09	7.22E-10	0.00E+00	1.90E-09	6.55E-10	6.23E-10	0.00E+00	1.28E-09
5756	481964.02	3768921.87	6.316E-09	2.85E-09	0.00E+00	9.16E-09	6.25E-09	4.14E-09	0.00E+00	1.04E-08	1.15E-09	7.06E-10	0.00E+00	1.85E-09	6.41E-10	6.09E-10	0.00E+00	1.25E-09
5757	481960.16	3768930.96	6.177E-09	2.79E-09	0.00E+00	8.96E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.90E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5758	481956.3	3768940.06	6.043E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.94E-09	1.10E-09	6.75E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
5759	481952.44	3768949.16	5.913E-09	2.67E-09	0.00E+00	8.58E-09	5.85E-09	3.88E-09	0.00E+00	9.73E-09	1.07E-09	6.61E-10	0.00E+00	1.74E-09	6.00E-10	5.70E-10	0.00E+00	1.17E-09
5760	481921.06	3768969.29	5.733E-09	2.59E-09	0.00E+00	8.32E-09	5.67E-09	3.76E-09	0.00E+00	9.44E-09	1.04E-09	6.41E-10	0.00E+00	1.68E-09	5.82E-10	5.53E-10	0.00E+00	1.13E-09
5761	481911.88	3768972.97	5.72E-09	2.58E-09	0.00E+00	8.30E-09	5.66E-09	3.75E-09	0.00E+00	9.41E-09	1.04E-09	6.39E-10	0.00E+00	1.68E-09	5.80E-10	5.52E-10	0.00E+00	1.13E-09
5762	481902.71	3768976.65	5.708E-09	2.57E-09	0.00E+00	8.28E-09	5.65E-09	3.75E-09	0.00E+00	9.39E-09	1.04E-09	6.38E-10	0.00E+00	1.68E-09	5.79E-10	5.51E-10	0.00E+00	1.13E-09
5763	481893.54	3768980.33	5.691E-09	2.57E-09	0.00E+00	8.26E-09	5.63E-09	3.73E-09	0.00E+00	9.37E-09	1.03E-09	6.36E-10	0.00E+00	1.67E-09	5.77E-10	5.49E-10	0.00E+00	1.13E-09
5764	481884.36	3768984.01	5.67E-09	2.56E-09	0.00E+00	8.23E-09	5.61E-09	3.72E-09	0.00E+00	9.33E-09	1.03E-09	6.34E-10	0.00E+00	1.66E-09	5.75E-10	5.47E-10	0.00E+00	1.12E-09
5765	481875.19	3768987.69	5.649E-09	2.55E-09	0.00E+00	8.20E-09	5.59E-09	3.71E-09	0.00E+00	9.30E-09	1.03E-09	6.31E-10	0.00E+00	1.66E-09	5.73E-10	5.45E-10	0.00E+00	1.12E-09
5766	481866.02	3768991.37	5.632E-09	2.54E-09	0.00E+00	8.17E-09	5.57E-09	3.70E-09	0.00E+00	9.27E-09	1.02E-09	6.29E-10	0.00E+00	1.65E-09	5.71E-10	5.43E-10	0.00E+00	1.11E-09
5767	481856.84	3768995.04	5.62E-09	2.53E-09	0.00E+00	8.15E-09	5.56E-09	3.69E-09	0.00E+00	9.25E-09	1.02E-09	6.28E-10	0.00E+00	1.65E-09	5.70E-10	5.42E-10	0.00E+00	1.11E-09
5768	481847.67	3768998.72	5.607E-09	2.53E-09	0.00E+00	8.14E-09	5.55E-09	3.68E-09	0.00E+00	9.23E-09	1.02E-09	6.27E-10	0.00E+00	1.65E-09	5.69E-10	5.41E-10	0.00E+00	1.11E-09
5769	481838.49	3769002.4	5.593E-09	2.52E-09	0.00E+00	8.12E-09	5.53E-09	3.67E-09	0.00E+00	9.20E-09	1.02E-09	6.25E-10	0.00E+00	1.64E-09	5.67E-10	5.40E-10	0.00E+00	1.11E-09
5770	481829.32	3769006.08	5.57E-09	2.51E-09	0.00E+00	8.08E-09	5.51E-09	3.65E-09	0.00E+00	9.17E-09	1.01E-09	6.23E-10	0.00E+00	1.63E-09	5.65E-10	5.37E-10	0.00E+00	1.10E-09
5771	481820.15	3769009.76	5.547E-09	2.50E-09	0.00E+00	8.05E-09	5.49E-09	3.64E-09	0.00E+00	9.13E-09	1.01E-09	6.20E-10	0.00E+00	1.63E-09	5.63E-10	5.35E-10	0.00E+00	1.10E-09
5772	481810.97	3769013.44	5.524E-09	2.49E-09	0.00E+00	8.01E-09	5.47E-09	3.62E-09	0.00E+00	9.09E-09	1.00E-09	6.17E-10	0.00E+00	1.62E-09	5.60E-10	5.33E-10	0.00E+00	1.09E-09
5773	481801.8	3769017.12	5.509E-09	2.48E-09	0.00E+00	7.99E-09	5.45E-09	3.61E-09	0.00E+00	9.07E-09	1.00E-09	6.16E-10	0.00E+00	1.62E-09	5.59E-10	5.31E-10	0.00E+00	1.09E-09
5774	481792.63	3769020.79	5.495E-09	2.48E-09	0.00E+00	7.97E-09	5.44E-09	3.61E-09	0.00E+00	9.04E-09	9.98E-10	6.14E-10	0.00E+00	1.61E-09	5.57E-10	5.30E-10	0.00E+00	1.09E-09
5775	481783.45	3769024.47	5.479E-09	2.47E-09	0.00E+00	7.95E-09	5.42E-09	3.60E-09	0.00E+00	9.02E-09	9.96E-10	6.12E-10	0.00E+00	1.61E-09	5.56E-10	5.29E-10	0.00E+00	1.08E-09
5776	481774.28	3769028.15	5.463E-09	2.46E-09	0.00E+00	7.93E-09	5.41E-09	3.58E-09	0.00E+00	8.99E-09	9.93E-10	6.11E-10	0.00E+00	1.60E-09	5.54E-10	5.27E-10	0.00E+00	1.08E-09
5777	481765.11	3769031.83	5.447E-09	2.46E-09	0.00E+00	7.90E-09	5.39E-09	3.57E-09	0.00E+00	8.96E-09	9.90E-10	6.09E-10	0.00E+00	1.60E-09	5.53E-10	5.25E-10	0.00E+00	1.08E-09
5778	481755.93	3769035.51	5.432E-09	2.45E-09	0.00E+00	7.88E-09	5.37E-09	3.56E-09	0.00E+00	8.94E-09	9.87E-10	6.07E-10	0.00E+00	1.59E-09	5.51E-10	5.24E-10	0.00E+00	1.07E-09
5779	481746.76	3769039.19	5.411E-09	2.44E-09	0.00E+00	7.85E-09	5.35E-09	3.55E-09	0.00E+00	8.91E-09	9.83E-10	6.05E-10	0.00E+00	1.59E-09	5.49E-10	5.22E-10	0.00E+00	1.07E-09
5780	481737.59	3769042.87	5.387E-09	2.43E-09	0.00E+00	7.82E-09	5.33E-09	3.54E-09	0.00E+00	8.87E-09	9.79E-10	6.02E-10	0.00E+00	1.58E-09	5.46E-10	5.20E-10	0.00E+00	1.07E-09
5781	481728.41	3769046.54	5.366E-09	2.42E-09	0.00E+00	7.79E-09	5.31E-09	3.52E-09	0.00E+00	8.83E-09	9.75E-10	6.00E-10	0.00E+00	1.57E-09	5.44E-10	5.18E-10	0.00E+00	1.06E-09
5782	481719.24	3769050.22	5.347E-09	2.41E-09	0.00E+00	7.76E-09	5.29E-09	3.51E-09	0.00E+00	8.80E-09	9.71E-10	5.98E-10	0.00E+00	1.57E-09	5.42E-10	5.16E-10	0.00E+00	1.06E-09
5783	481710.06	3769053.9	5.334E-09	2.41E-09	0.00E+00	7.74E-09	5.28E-09	3.50E-09	0.00E+00	8.78E-09	9.69E-10	5.96E-10	0.00E+00	1.57E-09	5.41E-10	5.15E-10	0.00E+00	1.06E-09
5784	481700.89	3769057.58	5.321E-09	2.40E-09	0.00E+00	7.72E-09	5.27E-09	3.49E-09	0.00E+00	8.76E-09	9.67E-10	5.95E-10	0.00E+00	1.56E-09	5.40E-10	5.13E-10	0.00E+00	1.05E-09
5785	481691.72	3769061.26	5.31E-09	2.39E-09	0.00E+00	7.71E-09	5.25E-09	3.48E-09	0.00E+00	8.74E-09	9.65E-10	5.94E-10	0.00E+00	1.56E-09	5.39E-10	5.12E-10	0.00E+00	1.05E-09
5786	481682.54	3769064.94	5.293E-09	2.39E-09	0.00E+00	7.68E-09	5.24E-09	3.47E-09	0.00E+00	8.71E-09	9.62E-10	5.92E-10	0.00E+00	1.55E-09	5.37E-10	5.11E-10	0.00E+00	1.05E-09
5787	481673.37	3769068.62	5.274E-09	2.38E-09	0.00E+00	7.65E-09	5.22E-09	3.46E-09	0.00E+00	8.68E-09	9.58E-10	5.89E-10	0.00E+00	1.55E-09	5.35E-10	5.09E-10	0.00E+00	1.04E-09
5788	481664.2	3769072.29	5.256E-09	2.37E-09	0.00E+00	7.63E-09	5.20E-09	3.45E-09	0.00E+00	8.65E-09	9.55E-10	5.87E-10	0.00E+00	1.54E-09	5.33E-10	5.07E-10	0.00E+00	1.04E-09
5789	481655.02	3769075.97	5.243E-09	2.36E-09	0.00E+00	7.61E-09	5.19E-09	3.44E-09	0.00E+00	8.63E-09	9.53E-10	5.86E-10	0.00E+00	1.54E-09	5.32E-10	5.06E-10	0.00E+00	1.04E-09
5790	481645.85	3769079.65	5.237E-09	2.36E-09	0.00E+00	7.60E-09	5.18E-09	3.44E-09	0.00E+00	8.62E-09	9.52E-10	5.85E-10	0.00E+00	1.54E-09	5.31E-10	5.05E-10	0.00E+00	1.04E-09
5791	481636.68	3769083.33	5.328E-09	2.40E-09	0.00E+00	7.73E-09	5.27E-09	3.50E-09	0.00E+00	8.77E-09	9.68E-10	5.95E-10	0.00E+00	1.56E-09	5.40E-10	5.14E-10	0.00E+00	1.05E-09
5792	481627.5	3769087.01	5.315E-09	2.40E-09	0.00E+00	7.71E-09	5.26E-09	3.49E-09	0.00E+00	8.75E-09	9.66E-10	5.94E-10	0.00E+00	1.56E-09	5.39E-10	5.13E-10	0.00E+00	1.05E-09
5793	481618.33	3769090.69	5.301E-09	2.39E-09	0.00E+00	7.69E-09	5.25E-09	3.48E-09	0.00E+00	8.72E-09	9.63E-10	5.92E-10	0.00E+00	1.56E-09	5.38E-10	5.11E-10	0.00E+00	1.05E-09
5794	481609.15	3769094.37	5.289E-09	2.39E-09	0.00E+00	7.67E-09	5.23E-09	3.47E-09	0.00E+00	8.70E-09	9.61E-10	5.91E-10	0.00E+00	1.55E-09	5.36E-10	5.10E-10	0.00E+00	1.05E-09
5795	481599.98	3769098.04	5.277E-09	2.38E-09	0.00E+00	7.66E-09	5.22E-09	3.46E-09	0.00E+00	8.68E-09	9.59E-10	5.90E-10	0.00E+00	1.55E-09	5.35E-10	5.09E-10	0.00E+00	1.04E-09
5796	481590.81	3769101.72	5.266E-09	2.38E-09	0.00E+00	7.64E-09	5.21E-09	3.46E-09	0.00E+00	8.67E-09	9.57E-10	5.89E-10	0.00E+00	1.55E-09	5.34E-10	5.08E-10	0.00E+00	1.04E-09
5797	481581.63	3769105.4	5.257E-09	2.37E-09	0.00E+00	7.63E-09	5.20E-09	3.45E-09	0.00E+00	8.65E-09	9.55E-10	5.87E-10	0.00E+00	1.54E-09	5.33E-10	5.07E-10	0.00E+00	1.04E-09
5798	481572.46	3769109.08	5.248E-09	2.37E-09	0.00E+00	7.61E-09	5.19E-09	3.44E-09	0.00E+00	8.64E-09	9.54E-10	5.87E-10	0.00E+00	1.54E-09	5.32E-10	5.06E-10	0.00E+00	1.04E-09
5799	481563.29	3769112.76	5.241E-09	2.36E-09	0.00E+00	7.60E-09	5.19E-09	3.44E-09	0.00E+00	8.62E-09	9.52E-10	5.86E-10	0.00E+00	1.54E-09	5.32E-10	5.06E-10	0.00E+00	1.04E-09
5800	481554.11	3769116.44	5.234E-09	2.36E-09	0.00E+00	7.59E-09	5.18E-09	3.43E-09	0.00E+00	8.61E-09	9.51E-10	5.85E-10	0.00E+00	1.54E-09	5.31E-10	5.05E-10	0.00E+00	1.04E-09
5801	481544.94	3769120.12	5.228E-09	2.36E-09	0.00E+00	7.59E-09	5.17E-09	3.43E-09	0.00E+00	8.60E-09	9.50E-10	5.84E-10	0.00E+00	1.53E-09	5.30E-10	5.04E-10	0.00E+00	1.03E-09
5802	482130.06	3768530.65	2.488E-08	1.12E-08	0.00E+00	3.61E-08	2.46E-08	1.63E-08	0.00E+00	4.09E-08	4.52E-09	2.78E-09	0.00E+00	7.30E-09	2.52E-09	2.40E-09	0.00E+00	4.92E-09
5803	482130.14	3768520.67	2.57E-08	1.16E-08	0.00E+00	3.73E-08	2.54E-08	1.69E-08	0.00E+00	4.23E-08	4.67E-09	2.87E-09	0.00E+00	7.54E-09	2.61E-09	2.48E-09	0.00E+00	5.09E-09
5804	482130.21	3768510.69	2.651E-08	1.20E-08	0.00E+00	3.85E-08	2.62E-08	1.74E-08	0.00E+00	4.36E-08	4.82E-09	2.96E-09	0.00E+00	7.78E-09	2.69E-09	2.56E-09	0.00E+00	5.25E-09
5805	482130.28	3768500.71	2.73E-08	1.23E-08	0.00E+00	3.96E-08	2.70E-08	1.79E-08	0.00E+00	4.49E-08	4.96E-09	3.05E-09	0.00E+00	8.01E-09	2.77E-09	2.63E-09	0.00E+00	5.40E-09
5806	482130.36	3768490.73	2.805E-08	1.26E-08	0.00E+00	4.07E-08	2.78E-08	1.84E-08	0.00E+00	4.62E-08	5.10E-09	3.13E-09	0.00E+00	8.23E-09	2.85E-09	2.71E-09	0.00E+00	5.55E-09
5807	482130.43	3768480.75	2.876E-08	1.30E-08	0.00E+00	4.17E-08	2.85E-08	1.89E-08	0.00E+00	4.73E-08	5.23E-09	3.21E-09	0.00E+00	8.44E-09	2.92E-09	2.77E-09	0.00E+00	5.69E-09
5808	482130.5	3768470.77	2.944E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.84E-08	5.35E-09	3.29E-09	0.00E+00	8.64E-09	2.99E-09	2.84E-09	0.00E+00	5.83E-09
5809	482130.58	3768460.79	3.008E-08	1.36E-08	0.00E+00	4.36E-08	2.98E-08	1.97E-08	0.00E+00	4.95E-08	5.47E-09	3.36E-09	0.00E+00	8.83E-09	3.05E-09	2.90E-09	0.00E+00	5.95E-09
5810	482130.65	3768450.82	3.069E-08	1.38E-08	0.00E+00	4.45E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.01E-09	3.11E-09	2.96E-09	0.00E+00	6.07E-09
5811	482130.72	3768440.84	3.125E-08	1.41E-08	0.00E+00	4.53E-08	3.09E-08	2.05E-08	0.00E+00	5.14E-08	5.68E-09	3.49E-09	0.00E+00	9.17E-09	3.17E-09	3.01E-09	0.00E+00	6.18E-09
5812	482130.8	3768430.86	3.175E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.32E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
5813	482130.87	3768420.88	3.219E-08	1.45E-08	0.00E+00	4.67E-08	3.19E-08	2.11E-08	0.00E+00	5.30E-08	5.85E-09	3.60E-09	0.00E+00	9.45E-09	3.27E-09	3.11E-09	0.00E+00	6.37E-09

5836	481345.85	3768316.31	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
5837	481557.23	3768325.9	2.613E-07	1.18E-07	0.00E+00	3.79E-07	2.59E-07	1.71E-07	0.00E+00	4.30E-07	4.75E-08	2.92E-08	0.00E+00	7.67E-08	2.65E-08	2.52E-08	0.00E+00	5.17E-08
5838	481517.05	3768307.19	2.102E-07	9.48E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.17E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
5839	481507.55	3768307.15	2.097E-07	9.46E-08	0.00E+00	3.04E-07	2.08E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
5840	481498.04	3768307.11	2.09E-07	9.43E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.80E-08	2.34E-08	0.00E+00	6.13E-08	2.12E-08	2.02E-08	0.00E+00	4.14E-08
5841	481488.53	3768307.07	2.077E-07	9.37E-08	0.00E+00	3.01E-07	2.06E-07	1.36E-07	0.00E+00	3.42E-07	3.77E-08	2.32E-08	0.00E+00	6.10E-08	2.11E-08	2.00E-08	0.00E+00	4.11E-08
5842	481479.02	3768307.03	2.06E-07	9.29E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.74E-08	2.30E-08	0.00E+00	6.04E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
5843	481469.51	3768306.99	2.029E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
5844	481460	3768306.95	1.994E-07	8.99E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.28E-07	3.62E-08	2.23E-08	0.00E+00	5.85E-08	2.02E-08	1.92E-08	0.00E+00	3.95E-08
5845	481450.49	3768306.91	1.955E-07	8.82E-08	0.00E+00	2.84E-07	1.93E-07	1.28E-07	0.00E+00	3.22E-07	3.55E-08	2.18E-08	0.00E+00	5.74E-08	1.98E-08	1.89E-08	0.00E+00	3.87E-08
5846	481440.98	3768306.87	1.911E-07	8.62E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.15E-07	3.47E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
5847	481431.47	3768306.83	1.862E-07	8.40E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.38E-08	2.08E-08	0.00E+00	5.46E-08	1.89E-08	1.80E-08	0.00E+00	3.68E-08
5848	481421.96	3768306.79	1.807E-07	8.15E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.58E-08
5849	481412.46	3768306.75	1.747E-07	7.88E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.17E-08	1.95E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
5850	481402.95	3768306.71	1.684E-07	7.59E-08	0.00E+00	2.44E-07	1.67E-07	1.10E-07	0.00E+00	2.77E-07	3.06E-08	1.88E-08	0.00E+00	4.94E-08	1.71E-08	1.62E-08	0.00E+00	3.33E-08
5851	481393.44	3768306.67	1.617E-07	7.29E-08	0.00E+00	2.35E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.94E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
5852	481383.93	3768306.63	1.547E-07	6.98E-08	0.00E+00	2.24E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
5853	481374.42	3768306.59	1.479E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.70E-08	0.00E+00	2.43E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
5854	481364.91	3768306.55	1.416E-07	6.39E-08	0.00E+00	2.05E-07	1.40E-07	9.29E-08	0.00E+00	2.33E-07	2.57E-08	1.58E-08	0.00E+00	4.16E-08	1.44E-08	1.37E-08	0.00E+00	2.80E-08
5855	481355.4	3768306.52	1.364E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.95E-08	0.00E+00	2.24E-07	2.48E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.32E-08	0.00E+00	2.70E-08
5856	481345.89	3768306.48	1.323E-07	5.96E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
5857	481552.69	3768308.34	2.036E-07	9.18E-08	0.00E+00	2.95E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.96E-08	0.00E+00	4.03E-08
5858	481564.94	3768320.73	2.322E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.52E-07	0.00E+00	3.82E-07	4.22E-08	2.60E-08	0.00E+00	6.82E-08	2.36E-08	2.24E-08	0.00E+00	4.60E-08
5859	481517.1	3768297.35	1.769E-07	7.98E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.21E-08	1.98E-08	0.00E+00	5.19E-08	1.79E-08	1.71E-08	0.00E+00	3.50E-08
5860	481507.59	3768297.31	1.756E-07	7.92E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.48E-08
5861	481498.08	3768297.27	1.741E-07	7.85E-08	0.00E+00	2.53E-07	1.72E-07	1.14E-07	0.00E+00	2.87E-07	3.16E-08	1.95E-08	0.00E+00	5.11E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
5862	481488.57	3768297.23	1.721E-07	7.76E-08	0.00E+00	2.50E-07	1.70E-07	1.13E-07	0.00E+00	2.83E-07	3.13E-08	1.92E-08	0.00E+00	5.05E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
5863	481479.06	3768297.19	1.697E-07	7.65E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
5864	481469.55	3768297.15	1.662E-07	7.50E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.74E-07	3.02E-08	1.86E-08	0.00E+00	4.88E-08	1.69E-08	1.60E-08	0.00E+00	3.29E-08
5865	481460.04	3768297.11	1.623E-07	7.32E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08
5866	481450.53	3768297.07	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
5867	481441.02	3768297.03	1.536E-07	6.93E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
5868	481431.51	3768296.99	1.489E-07	6.71E-08	0.00E+00	2.16E-07	1.47E-07	9.77E-08	0.00E+00	2.45E-07	2.70E-08	1.66E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
5869	481422.01	3768296.95	1.438E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.44E-08	0.00E+00	2.37E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
5870	481412.5	3768296.91	1.386E-07	6.25E-08	0.00E+00	2.01E-07	1.37E-07	9.10E-08	0.00E+00	2.28E-07	2.52E-08	1.55E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.74E-08
5871	481402.99	3768296.87	1.333E-07	6.01E-08	0.00E+00	1.93E-07	1.32E-07	8.75E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
5872	481393.48	3768296.83	1.28E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.40E-08	0.00E+00	2.11E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
5873	481383.97	3768296.79	1.227E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.05E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
5874	481374.46	3768296.76	1.178E-07	5.31E-08	0.00E+00	1.71E-07	1.17E-07	7.73E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.19E-08	1.14E-08	0.00E+00	2.33E-08
5875	481364.95	3768296.72	1.133E-07	5.11E-08	0.00E+00	1.64E-07	1.12E-07	7.44E-08	0.00E+00	1.87E-07	2.06E-08	1.27E-08	0.00E+00	3.33E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
5876	481355.44	3768296.68	1.096E-07	4.94E-08	0.00E+00	1.59E-07	1.08E-07	7.19E-08	0.00E+00	1.80E-07	1.99E-08	1.23E-08	0.00E+00	3.22E-08	1.11E-08	1.06E-08	0.00E+00	2.17E-08
5877	481345.93	3768296.64	1.068E-07	4.81E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.94E-08	1.19E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
5878	481551.69	3768298.07	1.753E-07	7.91E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.14E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
5879	481560.03	3768301.57	1.809E-07	8.16E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.98E-07	3.29E-08	2.02E-08	0.00E+00	5.31E-08	1.83E-08	1.74E-08	0.00E+00	3.58E-08
5880	481571.79	3768313.47	2.039E-07	9.20E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
5881	481517.14	3768287.51	1.508E-07	6.80E-08	0.00E+00	2.19E-07	1.49E-07	9.90E-08	0.00E+00	2.48E-07	2.74E-08	1.69E-08	0.00E+00	4.43E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
5882	481507.63	3768287.47	1.491E-07	6.72E-08	0.00E+00	2.16E-07	1.48E-07	9.78E-08	0.00E+00	2.45E-07	2.71E-08	1.67E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
5883	481498.12	3768287.43	1.472E-07	6.64E-08	0.00E+00	2.14E-07	1.46E-07	9.66E-08	0.00E+00	2.42E-07	2.67E-08	1.64E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.91E-08
5884	481488.61	3768287.39	1.449E-07	6.54E-08	0.00E+00	2.10E-07	1.43E-07	9.51E-08	0.00E+00	2.38E-07	2.63E-08	1.62E-08	0.00E+00	4.25E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
5885	481479.1	3768287.35	1.423E-07	6.42E-08	0.00E+00	2.06E-07	1.41E-07	9.34E-08	0.00E+00	2.34E-07	2.59E-08	1.59E-08	0.00E+00	4.18E-08	1.44E-08	1.37E-08	0.00E+00	2.82E-08
5886	481469.59	3768287.31	1.388E-07	6.26E-08	0.00E+00	2.01E-07	1.37E-07	9.11E-08	0.00E+00	2.28E-07	2.52E-08	1.55E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
5887	481460.08	3768287.27	1.35E-07	6.09E-08	0.00E+00	1.96E-07	1.34E-07	8.86E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
5888	481450.57	3768287.23	1.309E-07	5.90E-08	0.00E+00	1.90E-07	1.30E-07	8.59E-08	0.00E+00	2.15E-07	2.38E-08	1.46E-08	0.00E+00	3.84E-08	1.33E-08	1.26E-08	0.00E+00	2.59E-08
5889	481441.06	3768287.19	1.266E-07	5.71E-08	0.00E+00	1.84E-07	1.25E-07	8.31E-08	0.00E+00	2.08E-07	2.30E-08	1.42E-08	0.00E+00	3.72E-08	1.28E-08	1.22E-08	0.00E+00	2.51E-08
5890	481431.56	3768287.15	1.223E-07	5.51E-08	0.00E+00	1.77E-07	1.21E-07	8.02E-08	0.00E+00	2.01E-07	2.22E-08	1.37E-08	0.00E+00	3.59E-08	1.24E-08	1.18E-08	0.00E+00	2.42E-08
5891	481422.05	3768287.11	1.178E-07	5.31E-08	0.00E+00	1.71E-07	1.17E-07	7.73E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.19E-08	1.14E-08	0.00E+00	2.33E-08
5892	481412.54	3768287.07	1.133E-07	5.11E-08	0.00E+00	1.64E-07	1.12E-07	7.43E-08	0.00E+00	1.86E-07	2.06E-08	1.27E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
5893	481403.03	3768287.04	1.088E-07	4.91E-08	0.00E+00	1.58E-07	1.08E-07	7.14E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
5894	481393.52	3768287	1.045E-07	4.71E-08	0.00E+00	1.52E-07	1.03E-07	6.86E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.07E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
5895	481384.01	3768286.96	1.004E-07	4.53E-08	0.00E+00	1.46E-07	9.93E-08	6.59E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.68E-09	0.00E+00	1.99E-08
5896	481374.5	3768286.92	9.66E-08	4.36E-08	0.00E+00	1.40E-07	9.56E-08	6.34E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.83E-08	9.80E-09	9.32E-09	0.00E+00	1.91E-08
5897	481364.99	3768286.88	9.326E-08	4.21E-08	0.00E+00	1.35E-07	9.23E-08	6.12E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.74E-08	9.46E-09	9.00E-09	0.00E+00	1.85E-08
5898	481355.48	3768286.84	9.049E-08	4.08E-08	0.00E+00	1.31E-07	8.95E-08	5.94E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.66E-08	9.18E-09	8.73E-09	0.00E+00	1.79E-08
5899	481345.97	3768286.8	8.829E-08	3.98E-08	0.00E+00	1.28E-07	8.74E-08	5.79E-08	0.00E+00	1.45E-07	1.60E-08	9.87E-09	0.00E+00	2.59E-08	8.96E-09	8.52E-09	0.00E+00	1.75E-08
5900	481551.03	3768287.94	1.52E-07	6.85E-08	0.00E+00	2.21E-07	1.50E-07	9.97E-08	0.00E+00	2.50E-07	2.76E-08	1.70E-08	0.00E+00	4.46E-08	1.54E-08	1.47E-08	0.00E+00	3.01E-08
5901	481567.26	3768294.75	1.621E-07	7.31E-08	0.00E+00	2.35E-07	1.60E-07	1.06E-07	0.00E+00	2.67E-07	2.94E-08	1.81E-08	0.00E+00	4.76E-08	1.64E-08	1.56E-08	0.00E+00	3.21E-08
5902	481578.69	3768306.32	1.814E-07	8.18E-08	0.00E+00	2.63E-07	1.80E-07	1.19E-07	0.00E+00	2.99E-07	3.30E-08	2.03E-08	0.00E+00	5.32E-08	1.84E-08	1.75E-08	0.00E+00	3.59E-08
5903	481585.32	3768322.62	2.132E-07	9.61E-08	0.00E+00	3.09E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.87E-08	2.38E-08	0.00E+00	6.26E-08	2.16E-08	2.06E-08	0.00E+00	4.22E-08
5904	481517.18	3768277.67	1.299E-07	5.86E-08	0.00E+00	1.88E-07	1.29E-07	8.52E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.81E-08	1.32E-08	1.25E-08	0.00E+00	2.57E-08
5905	481507.67	3768277.63	1.28E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.40E-08	0.00E+00	2.11E-07	2.33E-08	1.43E-08	0.00E+00	3.76E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
5906	481498.16	3768277.59	1.259E-07	5.68E-08	0.00E+00	1.83E-07	1.25E-07	8.26E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.21E-08	0.00E+00	2.49E-08
5907	481488.65	3768277.55	1.236E-07	5.57E-08	0.00E+00	1.79E-07	1.22E-07	8.11E-08	0.00E+00	2.03E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.25E-08	1.19E-08	0.00E+00	2.45E-08
5908	481479.14	3768277.51	1.209E-07	5.45E-08	0.00E+00	1.75E-07	1.20E-07	7.94E-08	0.00E+00	1.99E-07	2.20E-08	1.35E-08	0.00E+00	3.55E-08	1.23E-08	1.17E-08	0.00E+00	2.39E-08
5909	481469.63	3768277.47	1.176E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
5910	481460.12	3768277.43	1.141E-07	5.14E-08	0.00E+00	1.66E-07	1.13E-07	7.49E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.35E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
5911	481450.61	3768277.39	1.103E-07	4.98E-08	0.00E+00	1.60E-07	1.09E-07	7.24E-08	0.00E+00	1.82E-07	2.00E-08	1.23E-08	0.00E+00	3.24E-08	1.12E-08	1.06E-08	0.00E+00	2.18E-08
5912	481441.11	3768277.35	1.065E-07	4.80E-08	0.00E+00	1.55E-07	1.05E-07	6.99E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
5913	481431.6	3768277.32	1.026E-07	4.63E-08	0.00E+00	1.49E-07	1.02E-07	6.73E-08	0.00E+00	1.69E-07	1.86E-08	1.15E-08	0.00E+00	3.01E-08	1.04E-08	9.90E-09	0.00E+00	2.03E-08
5914	481422.09	3768277.28	9.868E-08	4.45E-08	0.00E+00	1.43E-07	9.76E-08	6.48E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.90E-08	1.00E-08	9.52E-09	0.00E+00	1.95E-08
5915	481412.58	3768277.24	9.481E-08	4.28E-08	0.00E+00	1.38E-07	9.38E-08	6.22E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.62E-09	9.15E-09	0.00E+00	1.88E-08
5916	481403.07	3768277.2	9.106E-08	4.11E-08	0.00E+00	1.32E-07	9.01E-08	5.98E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.24E-09	8.78E-09	0.00E+00	1.80E-08
5917	481393.56	3768277.16	8.75E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.78E-09	0.00E+00	2.57E-08	8.88E-09	8.44E-09	0.00E+00	1.73E-08
5918	481384.05	3768277.12	8.417E-08	3.80E-08	0.00E+00	1.22E-07	8.33E-08	5.52E-08	0.00E+00	1.39E-07	1.53E-08	9.41E-09	0.00E+00	2.47E-08	8.54E-09	8.12E-09	0.00E+00	1.67E-08
5919	481374.54	3768277.08	8.116E-08	3.66E-08	0.00E+00	1.18E-07	8.03E-08	5.33E-08	0.00E+00	1.34E-07	1.47E-08	9.07E-09	0.00E+00	2.38E-08	8.23E-09	7.83E-09	0.00E+00	1.61E-08
5920	481365.03	3768277.04	7.852E-08	3.54E-08	0.00E+00	1.14E-07	7.77E-08	5.15E-08	0.00E+00	1.29E-07	1.43E-08	8.78E-09	0.00E+00	2.30E-08	7.96E-09	7.57E-09	0.00E+00	1.55E-08
5921	481355.52	3768277	7.632E-08	3.44E-08	0.00E+00	1.11E-07	7.55E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.53E-09	0.00E+00	2.24E-08	7.74E-09	7.36E-09	0.00E+00	1.51E-08
5922	481346.02	3768276.96	7.455E-08	3.36E-08	0.00E+00	1.08E-07	7.38E-08	4.89E-08	0.00E+00	1.23E-07	1.35E-08	8.33E-09	0.00E+00	2.19E-08	7.56E-09	7.19E-09	0.00E+00	1.48E-08
5923	481566.48	3768284.57	1.425E-07	6.42E-08	0.00E+00	2.07E-07	1.41E-07	9.35E-08	0.00E+00	2.34E-07	2.59E-08	1.59E-08	0.00E+00	4.18E-08	1.44E-08	1.37E-08	0.00E+00	2.82E-08
5924	481585.62	3768299.23	1.629E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
5925	481592.12	3768315.21	1.899E-07	8.56E-08	0.00E+00	2.75E-07	1.88E-07	1.25E-07	0.00E+00	3.12E-07	3.45E-08	2.12E-08	0.00E+00	5.57E-08	1.93E-08	1.83E-08	0.00E+00	3.76E-08
5926	481517.22	3768267.83	1.129E-07	5.09E-08	0.00E+00	1.64E-07	1.12E-07	7.41E-08	0.00E+00	1.86E-07	2.05E-08	1.26E-08	0.00E+00	3.31E-08	1.15E-08	1.09E-08	0.00E+00	2.23E-08
5927	481507.71	3768267.79	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.25E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
5928	481498.2	3768267.75	1.088E-07	4.91E-08	0.00E+00	1.58E-07	1.08E-07	7.14E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
5929	481488.69	3768267.71	1.065E-07	4.80E-08	0.00E+00	1.55E-07	1.05E-07	6.99E-08	0.00E+00	1.75E-07	1.94E-08	1.19E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
5930	481479.18	3768267.67	1.04E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.82E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.05E-08	1.00E-08	0.00E+00	2.06E-08
5931	481469.67	3768267.63	1.009E-07	4.55E-08	0.00E+00	1.46E-07	9.99E-08	6.62E-08	0.00E+00	1.66E-07	1.83E-08	1.13E-08	0.00E+00	2.96E-08	1.02E-08	9.74E-09	0.00E+00	2.00E-08
5932

5954	481479.22	3768257.84	9.034E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.16E-09	8.72E-09	0.00E+00	1.79E-08
5955	481469.71	3768257.8	8.756E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.79E-09	0.00E+00	2.57E-08	8.88E-09	8.45E-09	0.00E+00	1.73E-08
5956	481460.2	3768257.76	8.467E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.46E-09	0.00E+00	2.48E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
5957	481450.7	3768257.72	8.17E-08	3.68E-08	0.00E+00	1.19E-07	8.08E-08	5.36E-08	0.00E+00	1.34E-07	1.48E-08	9.13E-09	0.00E+00	2.40E-08	8.29E-09	7.88E-09	0.00E+00	1.62E-08
5958	481441.19	3768257.68	7.872E-08	3.55E-08	0.00E+00	1.14E-07	7.79E-08	5.17E-08	0.00E+00	1.30E-07	1.43E-08	8.80E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
5959	481431.68	3768257.64	7.575E-08	3.42E-08	0.00E+00	1.10E-07	7.50E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.47E-09	0.00E+00	2.22E-08	7.68E-09	7.31E-09	0.00E+00	1.50E-08
5960	481422.17	3768257.6	7.283E-08	3.28E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.14E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
5961	481412.66	3768257.56	7.001E-08	3.16E-08	0.00E+00	1.02E-07	6.93E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.83E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.39E-08
5962	481403.15	3768257.52	6.734E-08	3.04E-08	0.00E+00	9.77E-08	6.66E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
5963	481393.64	3768257.48	6.485E-08	2.92E-08	0.00E+00	9.41E-08	6.42E-08	4.26E-08	0.00E+00	1.07E-07	1.18E-08	7.25E-09	0.00E+00	1.90E-08	6.58E-09	6.26E-09	0.00E+00	1.28E-08
5964	481384.13	3768257.44	6.255E-08	2.82E-08	0.00E+00	9.08E-08	6.19E-08	4.10E-08	0.00E+00	1.03E-07	1.14E-08	6.99E-09	0.00E+00	1.84E-08	6.35E-09	6.03E-09	0.00E+00	1.24E-08
5965	481374.62	3768257.4	6.049E-08	2.73E-08	0.00E+00	8.78E-08	5.99E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.78E-08	6.14E-09	5.84E-09	0.00E+00	1.20E-08
5966	481365.11	3768257.36	5.867E-08	2.65E-08	0.00E+00	8.51E-08	5.81E-08	3.85E-08	0.00E+00	9.66E-08	1.07E-08	6.56E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
5967	481355.61	3768257.32	5.713E-08	2.58E-08	0.00E+00	8.29E-08	5.65E-08	3.75E-08	0.00E+00	9.40E-08	1.04E-08	6.38E-09	0.00E+00	1.68E-08	5.79E-09	5.51E-09	0.00E+00	1.13E-08
5968	481346.1	3768257.28	5.585E-08	2.52E-08	0.00E+00	8.10E-08	5.53E-08	3.66E-08	0.00E+00	9.19E-08	1.01E-08	6.24E-09	0.00E+00	1.64E-08	5.66E-09	5.39E-09	0.00E+00	1.11E-08
5969	481336.59	3768257.24	5.478E-08	2.47E-08	0.00E+00	7.95E-08	5.42E-08	3.59E-08	0.00E+00	9.02E-08	9.95E-09	6.12E-09	0.00E+00	1.61E-08	5.56E-09	5.28E-09	0.00E+00	1.08E-08
5970	481552.89	3768259.15	1.046E-07	4.72E-08	0.00E+00	1.52E-07	1.03E-07	6.86E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.07E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
5971	481561.59	3768262.8	1.094E-07	4.93E-08	0.00E+00	1.59E-07	1.08E-07	7.18E-08	0.00E+00	1.80E-07	1.99E-08	1.22E-08	0.00E+00	3.21E-08	1.11E-08	1.06E-08	0.00E+00	2.16E-08
5972	481570.28	3768266.46	1.138E-07	5.13E-08	0.00E+00	1.65E-07	1.13E-07	7.47E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.15E-08	1.10E-08	0.00E+00	2.25E-08
5973	481578.98	3768270.11	1.18E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.33E-08
5974	481587.67	3768273.76	1.216E-07	5.48E-08	0.00E+00	1.76E-07	1.20E-07	7.98E-08	0.00E+00	2.00E-07	2.21E-08	1.36E-08	0.00E+00	3.57E-08	1.23E-08	1.17E-08	0.00E+00	2.41E-08
5975	481599.92	3768286.15	1.355E-07	6.11E-08	0.00E+00	1.97E-07	1.34E-07	8.89E-08	0.00E+00	2.23E-07	2.46E-08	1.51E-08	0.00E+00	3.98E-08	1.37E-08	1.31E-08	0.00E+00	2.68E-08
5976	481603.47	3768294.88	1.467E-07	6.61E-08	0.00E+00	2.13E-07	1.45E-07	9.62E-08	0.00E+00	2.41E-07	2.66E-08	1.64E-08	0.00E+00	4.30E-08	1.49E-08	1.41E-08	0.00E+00	2.90E-08
5977	481607.02	3768303.62	1.579E-07	7.12E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.13E-08
5978	481610.58	3768312.36	1.69E-07	7.62E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
5979	481614.13	3768321.09	1.795E-07	8.10E-08	0.00E+00	2.60E-07	1.78E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.01E-08	0.00E+00	5.27E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
5980	481517.3	3768248.15	8.718E-08	3.93E-08	0.00E+00	1.26E-07	8.63E-08	5.72E-08	0.00E+00	1.43E-07	1.58E-08	9.74E-09	0.00E+00	2.56E-08	8.84E-09	8.41E-09	0.00E+00	1.73E-08
5981	481507.79	3768248.12	8.53E-08	3.85E-08	0.00E+00	1.24E-07	8.44E-08	5.60E-08	0.00E+00	1.40E-07	1.55E-08	9.53E-09	0.00E+00	2.50E-08	8.65E-09	8.23E-09	0.00E+00	1.69E-08
5982	481498.28	3768248.08	8.339E-08	3.76E-08	0.00E+00	1.21E-07	8.25E-08	5.47E-08	0.00E+00	1.37E-07	1.52E-08	9.32E-09	0.00E+00	2.45E-08	8.46E-09	8.04E-09	0.00E+00	1.65E-08
5983	481488.77	3768248.04	8.134E-08	3.67E-08	0.00E+00	1.18E-07	8.05E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.09E-09	0.00E+00	2.39E-08	8.25E-09	7.85E-09	0.00E+00	1.61E-08
5984	481479.26	3768248	7.917E-08	3.57E-08	0.00E+00	1.15E-07	7.83E-08	5.19E-08	0.00E+00	1.30E-07	1.44E-08	8.85E-09	0.00E+00	2.32E-08	8.03E-09	7.64E-09	0.00E+00	1.57E-08
5985	481469.75	3768247.96	7.666E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.40E-09	0.00E+00	1.52E-08
5986	481460.25	3768247.92	7.41E-08	3.34E-08	0.00E+00	1.08E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.28E-09	0.00E+00	2.17E-08	7.52E-09	7.15E-09	0.00E+00	1.47E-08
5987	481450.74	3768247.88	7.149E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.41E-08
5988	481441.23	3768247.84	6.888E-08	3.11E-08	0.00E+00	9.99E-08	6.82E-08	4.52E-08	0.00E+00	1.13E-07	1.25E-08	7.70E-09	0.00E+00	2.02E-08	6.99E-09	6.64E-09	0.00E+00	1.36E-08
5989	481431.72	3768247.8	6.63E-08	2.99E-08	0.00E+00	9.62E-08	6.56E-08	4.35E-08	0.00E+00	1.09E-07	1.20E-08	7.41E-09	0.00E+00	1.95E-08	6.73E-09	6.40E-09	0.00E+00	1.31E-08
5990	481422.21	3768247.76	6.379E-08	2.88E-08	0.00E+00	9.26E-08	6.31E-08	4.19E-08	0.00E+00	1.05E-07	1.16E-08	7.13E-09	0.00E+00	1.87E-08	6.47E-09	6.15E-09	0.00E+00	1.26E-08
5991	481412.7	3768247.72	6.138E-08	2.77E-08	0.00E+00	8.91E-08	6.07E-08	4.03E-08	0.00E+00	1.01E-07	1.12E-08	6.86E-09	0.00E+00	1.80E-08	6.23E-09	5.92E-09	0.00E+00	1.21E-08
5992	481403.19	3768247.68	5.911E-08	2.67E-08	0.00E+00	8.58E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.61E-09	0.00E+00	1.73E-08	6.00E-09	5.70E-09	0.00E+00	1.17E-08
5993	481393.68	3768247.64	5.699E-08	2.57E-08	0.00E+00	8.27E-08	5.64E-08	3.74E-08	0.00E+00	9.38E-08	1.04E-08	6.37E-09	0.00E+00	1.67E-08	5.78E-09	5.50E-09	0.00E+00	1.13E-08
5994	481384.17	3768247.6	5.505E-08	2.48E-08	0.00E+00	7.99E-08	5.45E-08	3.61E-08	0.00E+00	9.06E-08	1.00E-08	6.15E-09	0.00E+00	1.62E-08	5.58E-09	5.31E-09	0.00E+00	1.09E-08
5995	481374.66	3768247.56	5.33E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.50E-08	0.00E+00	8.77E-08	9.68E-09	5.96E-09	0.00E+00	1.56E-08	5.41E-09	5.14E-09	0.00E+00	1.05E-08
5996	481365.16	3768247.52	5.175E-08	2.33E-08	0.00E+00	7.51E-08	5.12E-08	3.40E-08	0.00E+00	8.52E-08	9.40E-09	5.78E-09	0.00E+00	1.52E-08	5.25E-09	4.99E-09	0.00E+00	1.02E-08
5997	481355.65	3768247.48	5.042E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.16E-09	5.64E-09	0.00E+00	1.48E-08	5.11E-09	4.86E-09	0.00E+00	9.98E-09
5998	481346.14	3768247.44	4.93E-08	2.22E-08	0.00E+00	7.15E-08	4.88E-08	3.24E-08	0.00E+00	8.11E-08	8.96E-09	5.51E-09	0.00E+00	1.45E-08	5.00E-09	4.76E-09	0.00E+00	9.76E-09
5999	481336.63	3768247.4	4.835E-08	2.18E-08	0.00E+00	7.02E-08	4.78E-08	3.17E-08	0.00E+00	7.96E-08	8.79E-09	5.40E-09	0.00E+00	1.42E-08	4.90E-09	4.66E-09	0.00E+00	9.57E-09
6000	481552.36	3768249.07	9.276E-08	4.18E-08	0.00E+00	1.35E-07	9.18E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.41E-09	8.95E-09	0.00E+00	1.84E-08
6001	481560.86	3768252.64	9.707E-08	4.38E-08	0.00E+00	1.41E-07	9.61E-08	6.37E-08	0.00E+00	1.60E-07	1.76E-08	1.08E-08	0.00E+00	2.85E-08	9.85E-09	9.36E-09	0.00E+00	1.92E-08
6002	481569.36	3768256.21	1.012E-07	4.56E-08	0.00E+00	1.47E-07	1.00E-07	6.64E-08	0.00E+00	1.66E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.76E-09	0.00E+00	2.00E-08
6003	481577.86	3768259.78	1.051E-07	4.74E-08	0.00E+00	1.52E-07	1.04E-07	6.90E-08	0.00E+00	1.73E-07	1.91E-08	1.17E-08	0.00E+00	3.08E-08	1.07E-08	1.01E-08	0.00E+00	2.08E-08
6004	481586.36	3768263.35	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.13E-08	0.00E+00	1.79E-07	1.97E-08	1.21E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
6005	481594.86	3768266.92	1.118E-07	5.04E-08	0.00E+00	1.62E-07	1.11E-07	7.34E-08	0.00E+00	1.84E-07	2.03E-08	1.25E-08	0.00E+00	3.28E-08	1.13E-08	1.08E-08	0.00E+00	2.21E-08
6006	481606.84	3768279.04	1.238E-07	5.58E-08	0.00E+00	1.80E-07	1.22E-07	8.12E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.26E-08	1.19E-08	0.00E+00	2.45E-08
6007	481610.31	3768287.58	1.334E-07	6.02E-08	0.00E+00	1.94E-07	1.32E-07	8.75E-08	0.00E+00	2.20E-07	2.42E-08	1.49E-08	0.00E+00	3.92E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
6008	481613.79	3768296.12	1.432E-07	6.46E-08	0.00E+00	2.08E-07	1.42E-07	9.40E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
6009	481617.26	3768304.66	1.529E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.47E-08	0.00E+00	3.03E-08
6010	481620.73	3768313.21	1.623E-07	7.32E-08	0.00E+00	2.35E-07	1.61E-07	1.06E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08
6011	481624.2	3768321.75	1.711E-07	7.71E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.82E-07	3.11E-08	1.91E-08	0.00E+00	5.02E-08	1.74E-08	1.65E-08	0.00E+00	3.39E-08
6031	481551.93	3768239.04	8.27E-08	3.73E-08	0.00E+00	1.20E-07	8.18E-08	5.43E-08	0.00E+00	1.36E-07	1.50E-08	9.24E-09	0.00E+00	2.43E-08	8.39E-09	7.98E-09	0.00E+00	1.64E-08
6032	481560.28	3768242.54	8.656E-08	3.90E-08	0.00E+00	1.26E-07	8.57E-08	5.68E-08	0.00E+00	1.42E-07	1.57E-08	9.67E-09	0.00E+00	2.54E-08	8.78E-09	8.35E-09	0.00E+00	1.71E-08
6033	481568.63	3768246.05	9.031E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.16E-09	8.71E-09	0.00E+00	1.79E-08
6034	481576.97	3768249.55	9.396E-08	4.24E-08	0.00E+00	1.36E-07	9.30E-08	6.17E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.53E-09	9.06E-09	0.00E+00	1.86E-08
6035	481585.32	3768253.06	9.739E-08	4.39E-08	0.00E+00	1.41E-07	9.64E-08	6.39E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.88E-09	9.40E-09	0.00E+00	1.93E-08
6036	481593.67	3768256.57	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.95E-08	6.60E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.70E-09	0.00E+00	1.99E-08
6039	481620.59	3768288.74	1.306E-07	5.89E-08	0.00E+00	1.89E-07	1.29E-07	8.57E-08	0.00E+00	2.15E-07	2.37E-08	1.46E-08	0.00E+00	3.83E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
6040	481624	3768297.13	1.392E-07	6.28E-08	0.00E+00	2.02E-07	1.38E-07	9.13E-08	0.00E+00	2.29E-07	2.53E-08	1.56E-08	0.00E+00	4.08E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
6041	481630.82	3768313.9	1.555E-07	7.01E-08	0.00E+00	2.26E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	2.83E-08	1.74E-08	0.00E+00	4.56E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
6061	481551.59	3768229.04	7.408E-08	3.34E-08	0.00E+00	1.07E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.28E-09	0.00E+00	2.17E-08	7.51E-09	7.15E-09	0.00E+00	1.47E-08
6062	481568.04	3768235.94	8.095E-08	3.65E-08	0.00E+00	1.17E-07	8.01E-08	5.31E-08	0.00E+00	1.33E-07	1.47E-08	9.05E-09	0.00E+00	2.38E-08	8.21E-09	7.81E-09	0.00E+00	1.60E-08
6063	481584.48	3768242.85	8.752E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.78E-09	0.00E+00	2.57E-08	8.88E-09	8.44E-09	0.00E+00	1.73E-08
6064	481600.92	3768249.75	9.326E-08	4.21E-08	0.00E+00	1.35E-07	9.23E-08	6.12E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.74E-08	9.46E-09	9.00E-09	0.00E+00	1.85E-08
6066	481627.43	3768281.44	1.197E-07	5.40E-08	0.00E+00	1.74E-07	1.18E-07	7.86E-08	0.00E+00	1.97E-07	2.18E-08	1.34E-08	0.00E+00	3.51E-08	1.21E-08	1.16E-08	0.00E+00	2.37E-08
6067	481634.15	3768297.96	1.349E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
6089	481567.55	3768225.88	7.286E-08	3.29E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.14E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
6090	481583.78	3768232.7	7.89E-08	3.56E-08	0.00E+00	1.14E-07	7.81E-08	5.18E-08	0.00E+00	1.30E-07	1.43E-08	8.82E-09	0.00E+00	2.32E-08	8.00E-09	7.61E-09	0.00E+00	1.56E-08
6091	481600.01	3768239.52	8.44E-08	3.81E-08	0.00E+00	1.22E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
6118	481553.1	3768209.96	6.096E-08	2.75E-08	0.00E+00	8.85E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.88E-09	0.00E+00	1.21E-08
6119	481561.79	3768213.61	6.398E-08	2.89E-08	0.00E+00	9.28E-08	6.33E-08	4.20E-08	0.00E+00	1.05E-07	1.16E-08	7.15E-09	0.00E+00	1.88E-08	6.49E-09	6.17E-09	0.00E+00	1.27E-08
6120	481570.49	3768217.26	6.698E-08	3.02E-08	0.00E+00	9.72E-08	6.63E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.49E-09	0.00E+00	1.97E-08	6.79E-09	6.46E-09	0.00E+00	1.33E-08
6121	481579.18	3768220.91	6.998E-08	3.16E-08	0.00E+00	1.02E-07	6.92E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.82E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.38E-08
6122	481587.88	3768224.57	7.292E-08	3.29E-08	0.00E+00	1.06E-07	7.22E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.15E-09	0.00E+00	2.14E-08	7.40E-09	7.03E-09	0.00E+00	1.44E-08
6123	481596.57	3768228.22	7.571E-08	3.41E-08	0.00E+00	1.10E-07	7.49E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.46E-09	0.00E+00	2.22E-08	7.68E-09	7.30E-09	0.00E+00	1.50E-08
6156	481552.74	3768199.95	5.527E-08	2.49E-08	0.00E+00	8.02E-08	5.47E-08	3.63E-08	0.00E+00	9.10E-08	1.00E-08	6.18E-09	0.00E+00	1.62E-08	5.61E-09	5.33E-09	0.00E+00	1.09E-08
6157	481561.3	3768203.55	5.797E-08	2.61E-08	0.00E+00	8.41E-08	5.74E-08	3.80E-08	0.00E+00	9.54E-08	1.05E-08	6.48E-09	0.00E+00	1.70E-08	5.88E-09	5.59E-09	0.00E+00	1.15E-08
6158	481569.86	3768207.14	6.066E-08	2.74E-08	0.00E+00	8.80E-08	6.00E-08	3.98E-08	0.00E+00	9.98E-08	1.10E-08	6.78E-09	0.00E+00	1.78E-08	6.15E-09	5.85E-09	0.00E+00	1.20E-08
6159	481578.42	3768210.74	6.336E-08	2.86E-08	0.00E+00	9.19E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.08E-09	0.00E+00	1.86E-08	6.43E-09	6.11E-09	0.00E+00	1.25E-08
6160	481586.98	3768214.33	6.602E-08	2.98E-08	0.00E+00	9.58E-08	6.53E-08	4.33E-08	0.00E+00	1.09E-07	1.20E-08	7.38E-09	0.00E+00	1.94E-08	6.70E-09	6.37E-09	0.00E+00	1.31E-08
6161	481595.54	3768217.93	6.861E-08	3.09E-08	0.00E+00	9.95E-08	6.79E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.01E-08	6.96E-09	6.62E-09	0.00E+00	1.36E-08
6196	481552.43	3768189.97	5.03E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.95E-09
6197	481560.88	3768193.52	5.272E-08	2.38E-08	0.00E+00	7.65E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.58E-09	5.89E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
6198	481569.33	3768197.06	5.515E-08	2.49E-08	0.00E+00	8.00E-08	5.46E-08	3.62E-08	0.00E+00	9.08E-08	1.00E-08	6.16E-09	0.00E+00	1.62E-08	5.59E-09	5.32E-09	0.00E+00	1.09E-08
6199	481577.77	3768200.61	5.757E-08	2.60E-08	0.00E+00	8.35E-08	5.70E-08	3.78E-08	0.00E+00	9.48E-08	1.05E-08	6.43E-09	0.00E+00	1.69E-08	5.84E-09	5.55E-09	0.00E+00	1.14E-08
6200	481586.22	3768204.16	5.998E-08	2.71E-08	0.00E+00	8.70E-08	5.94E-08	3.94E-08	0.00E+00	9.87E-08	1.09E-08	6.70E-09	0.00E+00	1.76E-08	6.08E-09	5.79E-09	0.00E+00	1.19E-08
6201	481594.67	3768207.71	6.235E-08	2.81E-08	0.00E+00	9.05E-08	6.17E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.97E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
6202	481603.11	3768211.25	6.464E-08	2.92E-08	0.00E+00	9.38E-08	6.40E-08	4.24E-08	0.00E+00	1.06E-07	1.17E-08	7.22E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
6239	481568.87	3768187.02	5.031E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.96E-09
6240

7656	481481.24	3767771.39	5.277E-09	2.38E-09	0.00E+00	7.66E-09		5.22E-09	3.46E-09	0.00E+00	8.68E-09		9.59E-10	5.90E-10	0.00E+00	1.55E-09		5.35E-10	5.09E-10	0.00E+00	1.04E-09
7657	481471.73	3767771.35	5.211E-09	2.35E-09	0.00E+00	7.56E-09		5.16E-09	3.42E-09	0.00E+00	8.58E-09		9.47E-10	5.82E-10	0.00E+00	1.53E-09		5.29E-10	5.03E-10	0.00E+00	1.03E-09
7658	481462.23	3767771.31	5.148E-09	2.32E-09	0.00E+00	7.47E-09		5.09E-09	3.38E-09	0.00E+00	8.47E-09		9.35E-10	5.75E-10	0.00E+00	1.51E-09		5.22E-10	4.97E-10	0.00E+00	1.02E-09
7659	481452.72	3767771.27	5.086E-09	2.29E-09	0.00E+00	7.38E-09		5.03E-09	3.34E-09	0.00E+00	8.37E-09		9.24E-10	5.68E-10	0.00E+00	1.49E-09		5.16E-10	4.91E-10	0.00E+00	1.01E-09
7660	481443.21	3767771.23	5.026E-09	2.27E-09	0.00E+00	7.29E-09		4.97E-09	3.30E-09	0.00E+00	8.27E-09		9.13E-10	5.62E-10	0.00E+00	1.47E-09		5.10E-10	4.85E-10	0.00E+00	9.95E-10
7672	481537.64	3767745.25	5.286E-09	2.38E-09	0.00E+00	7.67E-09		5.23E-09	3.47E-09	0.00E+00	8.70E-09		9.61E-10	5.91E-10	0.00E+00	1.55E-09		5.36E-10	5.10E-10	0.00E+00	1.05E-09
7673	481546.37	3767748.92	5.406E-09	2.44E-09	0.00E+00	7.84E-09		5.35E-09	3.55E-09	0.00E+00	8.90E-09		9.82E-10	6.04E-10	0.00E+00	1.59E-09		5.48E-10	5.22E-10	0.00E+00	1.07E-09
7761	481528.91	3767741.59	5.172E-09	2.33E-09	0.00E+00	7.50E-09		5.12E-09	3.39E-09	0.00E+00	8.51E-09		9.40E-10	5.78E-10	0.00E+00	1.52E-09		5.25E-10	4.99E-10	0.00E+00	1.02E-09
7762	481519.4	3767741.55	5.107E-09	2.30E-09	0.00E+00	7.41E-09		5.05E-09	3.35E-09	0.00E+00	8.41E-09		9.28E-10	5.71E-10	0.00E+00	1.50E-09		5.18E-10	4.93E-10	0.00E+00	1.01E-09
7763	481509.9	3767741.51	5.044E-09	2.27E-09	0.00E+00	7.32E-09		4.99E-09	3.31E-09	0.00E+00	8.30E-09		9.16E-10	5.64E-10	0.00E+00	1.48E-09		5.12E-10	4.87E-10	0.00E+00	9.98E-10
7764	481500.39	3767741.47	4.98E-09	2.25E-09	0.00E+00	7.23E-09		4.93E-09	3.27E-09	0.00E+00	8.20E-09		9.05E-10	5.57E-10	0.00E+00	1.46E-09		5.05E-10	4.80E-10	0.00E+00	9.86E-10
7765	481490.88	3767741.43	4.919E-09	2.22E-09	0.00E+00	7.14E-09		4.87E-09	3.23E-09	0.00E+00	8.10E-09		8.94E-10	5.50E-10	0.00E+00	1.44E-09		4.99E-10	4.75E-10	0.00E+00	9.73E-10
7766	481481.37	3767741.39	4.859E-09	2.19E-09	0.00E+00	7.05E-09		4.81E-09	3.19E-09	0.00E+00	8.00E-09		8.83E-10	5.43E-10	0.00E+00	1.43E-09		4.93E-10	4.69E-10	0.00E+00	9.62E-10
7767	481471.86	3767741.35	4.8E-09	2.16E-09	0.00E+00	6.97E-09		4.75E-09	3.15E-09	0.00E+00	7.90E-09		8.72E-10	5.36E-10	0.00E+00	1.41E-09		4.87E-10	4.63E-10	0.00E+00	9.50E-10
7768	481462.35	3767741.31	4.744E-09	2.14E-09	0.00E+00	6.88E-09		4.69E-09	3.11E-09	0.00E+00	7.81E-09		8.62E-10	5.30E-10	0.00E+00	1.39E-09		4.81E-10	4.58E-10	0.00E+00	9.39E-10
7769	481452.84	3767741.27	4.689E-09	2.11E-09	0.00E+00	6.80E-09		4.64E-09	3.08E-09	0.00E+00	7.72E-09		8.52E-10	5.24E-10	0.00E+00	1.38E-09		4.76E-10	4.52E-10	0.00E+00	9.28E-10
7770	481443.33	3767741.23	4.636E-09	2.09E-09	0.00E+00	6.73E-09		4.59E-09	3.04E-09	0.00E+00	7.63E-09		8.42E-10	5.18E-10	0.00E+00	1.36E-09		4.70E-10	4.47E-10	0.00E+00	9.18E-10

			UnMitigated			T2			T2L3			T4		
			1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
ID	X	Y	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481326.4	3768346	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
2	481326.3	3768356	4.24E-02	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00
3	481326.2	3768366	5.49E-02	0.00E+00	0.00E+00	5.44E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
4	481326.1	3768376	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
5	481326	3768385	8.00E-02	0.00E+00	0.00E+00	7.92E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00
6	481325.9	3768395	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
7	481325.8	3768405	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
8	481325.7	3768415	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
9	481325.6	3768425	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
10	481325.5	3768435	1.34E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
11	481325.4	3768445	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
12	481316.4	3768356	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
13	481316.3	3768365	4.57E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
14	481316.2	3768375	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
15	481316.1	3768385	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00
16	481316	3768395	7.56E-02	0.00E+00	0.00E+00	7.48E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00
17	481315.9	3768405	8.49E-02	0.00E+00	0.00E+00	8.40E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00
18	481315.8	3768415	9.35E-02	0.00E+00	0.00E+00	9.25E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00
19	481315.7	3768425	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
20	481315.6	3768435	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
21	481315.5	3768445	1.40E-01	0.00E+00	0.00E+00	1.39E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
22	481322.5	3768322	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
23	481306.6	3768355	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
24	481306.5	3768365	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
25	481306.4	3768375	4.77E-02	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00
26	481306.3	3768385	5.59E-02	0.00E+00	0.00E+00	5.53E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00
27	481306.2	3768395	6.41E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
28	481306.1	3768405	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
29	481306	3768415	8.03E-02	0.00E+00	0.00E+00	7.94E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00
30	481305.9	3768425	8.95E-02	0.00E+00	0.00E+00	8.85E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00
31	481305.8	3768435	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
32	481305.7	3768445	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
33	481305.7	3768325	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
34	481315.5	3768315	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
35	481329.4	3768309	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
36	481296.8	3768355	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
37	481296.7	3768365	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
38	481296.6	3768375	4.18E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00
39	481296.5	3768385	4.87E-02	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
40	481296.4	3768395	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
41	481296.3	3768405	6.29E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00
42	481296.2	3768415	7.06E-02	0.00E+00	0.00E+00	6.98E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00
43	481296.1	3768425	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
44	481296	3768435	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
45	481295.9	3768445	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
46	481298	3768319	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
47	481310.4	3768307	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
48	481319.1	3768304	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
49	481327.7	3768300	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
50	481287	3768345	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
51	481286.9	3768355	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
52	481286.8	3768365	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
53	481286.7	3768375	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
54	481286.6	3768385	4.32E-02	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00
55	481286.5	3768395	4.93E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
56	481286.4	3768405	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
57	481286.3	3768415	6.30E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
58	481286.2	3768425	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
59	481286.1	3768435	8.57E-02	0.00E+00	0.00E+00	8.48E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00
60	481286	3768445	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
61	481291.3	3768312	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
62	481303.1	3768300	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
63	481319.8	3768294	7.41E-03	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
64	481277.1	3768355	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
65	481277	3768365	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
66	481276.9	3768375	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
67	481276.8	3768385	3.87E-02	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00
68	481276.7	3768395	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
69	481276.6	3768405	5.01E-02	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	9.10E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00
70	481276.5	3768415	5.69E-02	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00
71	481276.4	3768425	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00
72	481276.3	3768435	7.92E-02	0.00E+00	0.00E+00	7.84E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
73	481276.2	3768445	1.07E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
74	481277.6	3768321	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
75	481284.5	3768305	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
76	481296	3768293	7.18E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
77	481312.2	3768287	6.47E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
78	481328.4	3768280	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
79	481267.3	3768355	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
80	481267.2	3768365	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
81	481267.1	3768375	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
82	481267	3768385	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
83	481266.9	3768395	4.00E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00
84	481266.8	3768405	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
85	481266.7	3768415	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
86	481266.6	3768425	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00
87	481266.5	3768435	7.35E-02	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00
88	481266.4	3768444	1.01E-01	0.00E+00	0.00E+00	9.95E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
89	481267.6	3768321	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
90	481274.3	3768306	8.79E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
91	481288.9	3768287	6.28E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
92	481304.8	3768280	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
93	481320.7	3768274	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00

94	481257.4	3768355	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
95	481257.3	3768365	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
96	481257.2	3768375	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
97	481257.1	3768385	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
98	481257	3768395	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
99	481256.9	3768405	4.14E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00
100	481256.8	3768415	4.73E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
101	481256.7	3768425	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
102	481256.6	3768434	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
103	481256.5	3768444	9.48E-02	0.00E+00	0.00E+00	9.38E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00
104	481259	3768318	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
105	481262.8	3768309	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
106	481266.5	3768301	7.88E-03	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
107	481270.3	3768292	6.74E-03	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00
108	481283	3768279	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
109	481291.9	3768275	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
110	481300.9	3768272	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
111	481309.8	3768268	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
112	481318.7	3768265	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
113	481327.7	3768261	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
114	481247.6	3768355	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
115	481247.5	3768365	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
116	481247.4	3768375	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
117	481247.3	3768385	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
118	481247.2	3768395	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
119	481247.1	3768405	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
120	481247	3768414	4.35E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
121	481246.9	3768424	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
122	481246.8	3768434	6.34E-02	0.00E+00	0.00E+00	6.27E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
123	481246.7	3768444	8.87E-02	0.00E+00	0.00E+00	8.78E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00
124	481248.8	3768319	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
125	481252.5	3768310	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
126	481256.2	3768302	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
127	481259.8	3768293	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
128	481263.5	3768284	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
129	481275.8	3768272	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
130	481284.5	3768269	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
131	481293.2	3768265	4.47E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
132	481301.9	3768262	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
133	481310.6	3768258	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
134	481319.3	3768254	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
135	481327.9	3768251	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
136	481237.7	3768355	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
137	481237.6	3768365	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
138	481237.5	3768375	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
139	481237.4	3768385	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
140	481237.3	3768394	3.10E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
141	481237.2	3768404	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
142	481237.1	3768414	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
143	481237	3768424	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
144	481236.9	3768434	5.82E-02	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
145	481236.8	3768444	8.19E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00
146	481238.8	3768319	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
147	481245.9	3768302	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
148	481249.5	3768294	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
149	481253.1	3768286	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
150	481268.7	3768265	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
151	481277.2	3768262	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
152	481285.7	3768258	4.05E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
153	481294.2	3768255	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00
154	481302.7	3768251	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
155	481311.2	3768248	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
156	481319.7	3768244	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
157	481328.2	3768241	3.42E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00
158	481227.9	3768355	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
159	481227.8	3768365	1.97E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
160	481227.7	3768375	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
161	481227.6	3768384	2.54E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
162	481227.5	3768394	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
163	481227.4	3768404	3.25E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
164	481227.3	3768414	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
165	481227.2	3768424	4.32E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00
166	481227.1	3768434	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
167	481227	3768444	7.36E-02	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00
168	481228.7	3768320	9.99E-03	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
169	481235.8	3768303	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00
170	481239.3	3768295	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
171	481246.3	3768278	5.27E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
172	481261.7	3768258	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
173	481278.4	3768252	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
174	481286.7	3768248	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00
175	481303.4	3768241	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
177	481218.1	3768355	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
178	481218	3768364	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
179	481217.9	3768374	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
180	481217.8	3768384	2.38E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
181	481217.7	3768394	2.68E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
182	481217.6	3768404	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
183	481217.5	3768414	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
184	481217.4	3768424	4.01E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00
185	481217.3	3768434	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
186	481217.2	3768444	6.47E-02	0.00E+00	0.00E+00	6.40E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00
187	481219.8	3768318	9.37E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00
188	481223.6	3768309	8.22E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00
189	481227.4	3768300	7.19E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
190	481231.2	3768291	6.27E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00

191	481235	3768282	5.48E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
192	481238.8	3768273	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
193	481242.6	3768264	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
194	481255.5	3768251	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
195	481264.5	3768247	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
196	481273.5	3768244	3.33E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
197	481282.6	3768240	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
203	481208.2	3768354	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
204	481208.1	3768364	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
205	481208	3768374	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
206	481207.9	3768384	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
207	481207.8	3768394	2.52E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
208	481207.7	3768404	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
209	481207.6	3768414	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
210	481207.5	3768424	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
211	481207.4	3768434	4.52E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
212	481207.3	3768444	5.78E-02	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00
213	481209.7	3768318	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
214	481213.4	3768309	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
215	481217.1	3768300	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00
216	481220.9	3768292	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
217	481224.6	3768283	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
218	481228.3	3768274	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
219	481232.1	3768265	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
220	481235.8	3768256	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
221	481248.4	3768244	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
222	481257.2	3768240	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
231	481198.4	3768354	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
232	481198.3	3768364	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
233	481198.2	3768374	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
234	481198.1	3768384	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
235	481198	3768394	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
236	481197.9	3768404	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
237	481197.8	3768414	3.06E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
238	481197.7	3768424	3.54E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00
239	481197.6	3768434	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
240	481197.5	3768444	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00
241	481199.6	3768318	8.91E-03	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00
242	481203.3	3768310	7.94E-03	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00
243	481207	3768301	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
244	481210.6	3768293	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
245	481214.3	3768284	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
246	481218	3768275	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
247	481221.6	3768267	4.34E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
248	481225.3	3768258	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
249	481229	3768249	3.47E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
261	481188.6	3768354	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
262	481188.5	3768364	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
263	481188.4	3768374	1.78E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
264	481188.3	3768384	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
265	481188.2	3768394	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
266	481188.1	3768404	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
267	481188	3768414	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
268	481187.9	3768424	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
269	481187.8	3768434	3.91E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00
270	481187.7	3768444	4.60E-02	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
271	481189.6	3768319	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
272	481193.2	3768310	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
273	481196.8	3768302	6.95E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
274	481200.5	3768293	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
275	481204.1	3768285	5.50E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
276	481207.7	3768276	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
277	481211.3	3768268	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
278	481214.9	3768259	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
279	481218.5	3768251	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
280	481222.1	3768242	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
293	481178.7	3768354	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
294	481178.6	3768364	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
295	481178.5	3768374	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
296	481178.4	3768384	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
297	481178.3	3768394	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
298	481178.2	3768404	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
299	481178.1	3768414	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
300	481178	3768424	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
301	481177.9	3768434	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
302	481177.8	3768444	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
303	481180.5	3768317	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
304	481184.3	3768308	7.38E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
305	481188.1	3768299	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
306	481192	3768290	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
307	481195.8	3768281	5.16E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
308	481199.6	3768272	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
309	481203.5	3768263	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
310	481207.3	3768254	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
311	481211.1	3768245	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
325	481168.9	3768354	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
326	481168.8	3768364	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
327	481168.7	3768374	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
328	481168.6	3768384	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
329	481168.5	3768394	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
330	481168.4	3768404	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
331	481168.3	3768414	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
332	481168.2	3768424	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
333	481168.1	3768434	3.37E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
334	481168	3768443	3.81E-02	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00
335	481170.4	3768317	8.08E-03	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00

336	481174.2	3768308	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
337	481178	3768300	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
338	481181.7	3768291	5.78E-03	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
339	481185.5	3768282	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
340	481189.3	3768273	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
341	481193.1	3768264	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
342	481196.8	3768255	3.67E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
343	481200.6	3768246	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
359	481159	3768354	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
360	481158.9	3768364	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
361	481158.8	3768374	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
362	481158.7	3768384	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
363	481158.6	3768394	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
364	481158.5	3768404	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
365	481158.4	3768414	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
366	481158.3	3768424	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
367	481158.2	3768433	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
368	481158.1	3768443	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
369	481160.4	3768318	7.88E-03	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
370	481164.1	3768309	7.11E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00
371	481167.9	3768300	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
372	481171.6	3768291	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
373	481175.3	3768283	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
374	481179	3768274	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00
375	481182.7	3768265	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
376	481186.4	3768256	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
377	481190.1	3768248	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
395	481149.2	3768354	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
396	481149.1	3768364	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
397	481149	3768374	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
398	481148.9	3768384	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
399	481148.8	3768394	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
400	481148.7	3768404	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
401	481148.6	3768413	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
402	481148.5	3768423	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
403	481148.4	3768433	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
404	481148.3	3768443	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
405	481150.5	3768318	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
406	481154.1	3768309	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00
407	481157.8	3768301	6.29E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
408	481161.4	3768292	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
409	481165.1	3768283	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
410	481168.8	3768275	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
411	481172.4	3768266	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
412	481176.1	3768257	3.72E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
413	481179.8	3768249	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
414	481183.4	3768240	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
433	481145	3768307	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
434	481148.9	3768298	6.00E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
435	481152.7	3768289	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
436	481156.5	3768280	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
437	481160.4	3768271	4.34E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
438	481164.2	3768262	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
439	481168.1	3768253	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
440	481171.9	3768244	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
459	481146.3	3768281	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
460	481150.1	3768272	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
461	481153.9	3768263	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
462	481157.7	3768254	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
463	481161.5	3768245	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
485	481119.7	3768354	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
486	481119.6	3768363	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
487	481119.5	3768373	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
488	481119.4	3768383	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
489	481119.3	3768393	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
490	481119.2	3768403	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
491	481119.1	3768413	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
492	481119	3768423	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
493	481118.9	3768433	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
494	481118.8	3768443	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
495	481117.4	3768326	7.75E-03	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00
496	481121.2	3768317	7.07E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
497	481124.9	3768308	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
498	481147.4	3768255	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
499	481151.1	3768246	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
523	481109.8	3768353	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
524	481109.7	3768363	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
525	481109.6	3768373	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
526	481109.5	3768383	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
527	481109.4	3768393	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
528	481109.3	3768403	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
529	481109.2	3768413	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
530	481109.1	3768423	2.09E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
531	481109	3768433	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
532	481108.9	3768443	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
533	481107.5	3768326	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
534	481111.2	3768317	6.91E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
535	481114.9	3768309	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
536	481118.6	3768300	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
537	481122.3	3768291	5.22E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
563	481100	3768353	9.96E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
564	481099.9	3768363	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
565	481099.8	3768373	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
566	481099.7	3768383	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
567	481099.6	3768393	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
568	481099.5	3768403	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00

569	481099.4	3768413	1.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
570	481099.3	3768423	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
571	481099.2	3768433	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
572	481099.1	3768443	2.32E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
573	481098	3768325	7.29E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00
574	481101.8	3768316	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00
575	481105.7	3768307	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
576	481109.6	3768298	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
577	481113.4	3768289	5.01E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
578	481117.3	3768280	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
579	481121.1	3768271	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
580	481125	3768262	3.72E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
603	481090.2	3768353	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
604	481090.1	3768363	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
605	481090	3768373	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
606	481089.9	3768383	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
607	481089.8	3768393	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
608	481089.7	3768403	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
609	481089.6	3768413	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
610	481089.5	3768423	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
611	481089.4	3768433	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
612	481089.3	3768443	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
613	481088.1	3768325	7.12E-03	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
614	481091.9	3768316	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
615	481095.7	3768307	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
616	481099.5	3768298	5.43E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
617	481103.3	3768289	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
618	481107.1	3768280	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
619	481110.9	3768271	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
620	481114.7	3768262	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
621	481118.5	3768253	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
622	481122.3	3768244	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
645	481080.3	3768353	9.35E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00
646	481080.2	3768363	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
647	481080.1	3768373	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
648	481080	3768383	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
649	481079.9	3768393	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
650	481079.8	3768403	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
651	481079.7	3768413	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
652	481079.6	3768423	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
653	481079.5	3768433	1.94E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
654	481079.4	3768443	2.08E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
655	481078.1	3768325	6.95E-03	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
656	481081.9	3768316	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00
657	481085.7	3768308	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
658	481089.4	3768299	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
659	481093.2	3768290	4.89E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
660	481097	3768281	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
661	481100.7	3768272	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
662	481104.5	3768263	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
663	481108.3	3768254	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
664	481112	3768245	3.09E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
665	481115.8	3768237	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
666	481119.6	3768228	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
667	481123.3	3768219	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
689	481070.5	3768353	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
690	481070.4	3768363	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
691	481070.3	3768373	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
692	481070.2	3768383	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
693	481070.1	3768393	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
694	481070	3768403	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
695	481069.9	3768413	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
696	481069.8	3768423	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
697	481069.7	3768433	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
698	481069.6	3768443	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
699	481068.2	3768325	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
700	481071.9	3768317	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
701	481075.7	3768308	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
702	481079.4	3768299	5.27E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
703	481083.1	3768290	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
704	481086.9	3768281	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
705	481090.6	3768273	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
706	481094.3	3768264	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
707	481098.1	3768255	3.37E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
708	481101.8	3768246	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
709	481105.5	3768238	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
710	481109.2	3768229	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
711	481113	3768220	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
712	481116.7	3768211	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
713	481120.4	3768202	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
714	481124.2	3768194	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
736	481060.7	3768353	8.80E-03	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
737	481060.6	3768363	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00
738	481060.5	3768373	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
739	481060.4	3768383	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
740	481060.3	3768393	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
741	481060.2	3768403	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
742	481060.1	3768413	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
743	481060	3768423	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
744	481059.9	3768432	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
745	481059.8	3768442	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
746	481058.6	3768325	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
747	481062.5	3768316	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
748	481066.4	3768307	5.55E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
749	481070.2	3768297	5.09E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
750	481074.1	3768288	4.65E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00

751	481078	3768279	4.25E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
752	481081.8	3768270	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
753	481085.7	3768261	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
754	481089.6	3768252	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
755	481093.4	3768243	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
756	481097.3	3768234	2.70E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
757	481101.1	3768225	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
758	481105	3768215	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
759	481108.9	3768206	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
760	481112.7	3768197	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
761	481116.6	3768188	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
785	481050.8	3768353	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
786	481050.7	3768363	9.39E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
787	481050.6	3768373	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
788	481050.5	3768383	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
789	481050.4	3768393	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
790	481050.3	3768403	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
791	481050.2	3768412	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
792	481050.1	3768422	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
793	481050	3768432	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
794	481049.9	3768442	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
795	481048.7	3768325	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
796	481052.5	3768316	5.93E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
797	481056.4	3768307	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
798	481060.2	3768298	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
799	481064	3768289	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
800	481067.8	3768280	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
801	481071.7	3768271	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
802	481075.5	3768262	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
803	481079.3	3768253	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
804	481083.1	3768244	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
805	481087	3768235	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
806	481090.8	3768226	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
807	481094.6	3768217	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
808	481098.4	3768208	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
809	481102.2	3768199	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
810	481106.1	3768190	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
811	481109.9	3768181	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
837	481041	3768353	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
838	481040.9	3768363	9.10E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
839	481040.8	3768373	9.97E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
840	481040.7	3768383	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
841	481040.6	3768393	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
842	481040.5	3768402	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
843	481040.4	3768412	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
844	481040.3	3768422	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
845	481040.2	3768432	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
846	481040.1	3768442	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
847	481038.8	3768325	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
848	481042.6	3768316	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
849	481046.4	3768307	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
850	481050.2	3768298	4.94E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
851	481054	3768289	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
852	481057.7	3768280	4.17E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
853	481061.5	3768271	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
854	481065.3	3768262	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
855	481069.1	3768254	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
856	481072.9	3768245	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
857	481076.7	3768236	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
858	481080.5	3768227	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
859	481084.2	3768218	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
860	481088	3768209	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
861	481091.8	3768200	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
862	481095.6	3768191	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
863	481099.4	3768182	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
890	481031.1	3768353	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
891	481031	3768363	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
892	481030.9	3768373	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
893	481030.8	3768382	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
894	481030.7	3768392	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
895	481030.6	3768402	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
896	481030.5	3768412	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
897	481030.4	3768422	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
898	481030.3	3768432	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
899	481030.2	3768442	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
900	481008.9	3768324	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
901	481012.8	3768315	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
902	481016.6	3768306	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
903	481020.4	3768297	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
904	481024.3	3768288	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00
905	481028.1	3768279	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00
906	481031.9	3768270	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
907	481035.8	3768261	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
908	481039.6	3768252	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
909	481043.5	3768243	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
910	481047.3	3768234	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
911	481051.1	3768225	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
912	481055	3768216	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
913	481058.8	3768207	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
914	481062.7	3768198	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
915	481066.5	3768189	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
916	481070.3	3768180	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
947	481001.1	3768352	7.38E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
948	481001	3768362	8.04E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00
949	481000.9	3768372	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
950	481000.8	3768382	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00

951	481000.7	3768392	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
952	481000.6	3768402	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
953	481000.5	3768412	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
954	481000.4	3768422	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
955	481000.3	3768432	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
956	480978.7	3768324	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
957	480982.5	3768316	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
958	480986.2	3768307	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
959	480990	3768298	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
960	480993.7	3768289	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
961	480997.5	3768280	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
962	481001.2	3768271	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
963	481005	3768263	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
964	481008.7	3768254	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
965	481012.5	3768245	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
966	481016.2	3768236	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
967	481020	3768227	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
968	481023.7	3768218	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
969	481027.5	3768210	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
970	481031.2	3768201	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
971	481035	3768192	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
972	481038.7	3768183	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
1009	480971.1	3768352	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
1010	480971	3768362	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
1011	480970.9	3768372	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
1012	480970.8	3768382	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
1013	480970.7	3768392	9.23E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
1014	480970.6	3768402	9.90E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1015	480970.5	3768412	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1016	480970.4	3768422	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
1017	480948.8	3768324	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
1018	480952.6	3768315	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
1019	480956.4	3768306	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
1020	480960.2	3768297	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
1021	480964	3768288	3.87E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
1022	480967.8	3768279	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
1023	480971.6	3768270	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
1024	480975.4	3768261	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
1025	480979.2	3768252	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
1026	480983	3768243	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
1027	480986.8	3768234	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
1028	480990.6	3768226	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
1029	480994.4	3768217	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
1030	480998.2	3768208	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
1031	481002	3768199	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
1032	481005.8	3768190	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
1033	481009.6	3768181	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1074	480941.1	3768352	6.27E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
1075	480941	3768362	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
1076	480940.9	3768372	7.29E-03	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00
1077	480940.8	3768382	7.82E-03	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00
1078	480940.7	3768392	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1079	480940.6	3768401	8.94E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
1080	480940.5	3768411	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00
1081	480918.9	3768323	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
1082	480922.8	3768314	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
1083	480926.6	3768305	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
1084	480930.4	3768296	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
1085	480934.3	3768287	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00
1086	480938.1	3768278	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
1087	480941.9	3768269	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
1088	480945.8	3768260	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1089	480949.6	3768251	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
1090	480953.4	3768242	2.56E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
1091	480957.3	3768233	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
1092	480961.1	3768224	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
1093	480965	3768215	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
1094	480968.8	3768206	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
1095	480972.6	3768197	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
1096	480976.5	3768188	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
1097	480980.3	3768179	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
1124	480911.1	3768351	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
1125	480911	3768361	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
1126	480910.9	3768371	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
1127	480910.8	3768381	7.15E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00
1128	480910.7	3768391	7.63E-03	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00
1129	480910.6	3768401	8.12E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
1130	480910.2	3768441	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1131	480889	3768323	4.46E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
1132	480892.9	3768314	4.20E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
1133	480896.7	3768305	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00
1134	480900.6	3768296	3.69E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
1135	480904.5	3768286	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
1136	480908.4	3768277	3.24E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
1137	480912.2	3768268	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
1138	480916.1	3768259	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
1139	480920	3768250	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
1140	480923.8	3768241	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
1141	480927.7	3768232	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
1142	480931.6	3768223	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
1143	480935.5	3768213	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
1144	480939.3	3768204	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
1145	480943.2	3768195	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
1146	480947.1	3768186	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1180	480881.1	3768351	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
1181	480881	3768361	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00

1182	480880.9	3768371	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
1183	480880.8	3768381	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
1184	480880.7	3768391	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
1185	480880.2	3768441	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
1186	480858.9	3768323	4.20E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
1187	480862.7	3768314	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
1188	480866.5	3768305	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
1189	480870.3	3768296	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
1190	480874.1	3768287	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
1191	480877.9	3768278	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
1192	480881.7	3768269	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
1193	480885.5	3768260	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
1194	480889.3	3768251	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
1195	480893.1	3768242	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
1196	480896.9	3768233	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
1197	480900.7	3768224	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
1198	480904.5	3768215	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
1199	480908.3	3768207	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
1200	480912.1	3768198	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
1201	480915.9	3768189	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1202	480919.7	3768180	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
1203	480923.5	3768171	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1204	480927.3	3768162	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
1205	480931.1	3768153	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1252	480851.1	3768351	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
1253	480851	3768361	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00
1254	480850.9	3768371	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
1255	480850.8	3768381	6.06E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
1256	480850.7	3768391	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
1257	480850.3	3768430	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00
1258	480850.2	3768440	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
1259	480828.9	3768323	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00
1260	480832.8	3768313	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
1261	480836.6	3768304	3.53E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
1262	480840.4	3768295	3.33E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
1263	480844.3	3768286	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
1264	480848.1	3768277	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1265	480851.9	3768268	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
1266	480855.8	3768259	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
1267	480859.6	3768250	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
1268	480863.4	3768241	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
1269	480867.3	3768232	2.17E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
1270	480871.1	3768223	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
1271	480874.9	3768214	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
1272	480878.8	3768205	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1273	480882.6	3768196	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
1274	480886.5	3768187	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
1275	480890.3	3768178	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
1276	480894.1	3768169	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
1277	480898	3768160	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1278	480901.8	3768151	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
1279	480905.6	3768142	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
1280	480909.5	3768133	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1281	480913.3	3768124	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1282	480917.1	3768115	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
1283	480921	3768106	9.74E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00
1325	480821.2	3768351	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
1326	480821.1	3768360	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
1327	480821	3768370	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
1328	480820.9	3768380	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
1329	480820.5	3768420	6.91E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
1330	480820.4	3768430	7.24E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00
1331	480820.3	3768440	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
1332	480795.1	3768331	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
1333	480799	3768322	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
1334	480802.8	3768313	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
1335	480806.7	3768304	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
1336	480810.6	3768295	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
1337	480814.4	3768286	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
1338	480818.3	3768277	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
1339	480822.2	3768267	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
1340	480826	3768258	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
1341	480829.9	3768249	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
1342	480833.8	3768240	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
1343	480837.6	3768231	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
1344	480841.5	3768222	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
1345	480845.4	3768213	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
1346	480849.2	3768204	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
1347	480853.1	3768195	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1348	480857	3768185	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
1349	480860.8	3768176	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
1350	480864.7	3768167	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
1351	480868.6	3768158	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
1352	480872.4	3768149	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
1353	480876.3	3768140	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
1354	480880.2	3768131	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
1355	480884	3768122	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
1356	480887.9	3768113	9.99E-04	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1404	480791.2	3768350	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
1405	480791.1	3768360	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
1406	480791	3768370	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
1407	480790.9	3768380	5.18E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
1408	480790.5	3768420	6.34E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00
1409	480790.4	3768430	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00
1410	480790.3	3768440	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
1411	480765.1	3768331	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00

1412	480768.9	3768322	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
1413	480772.7	3768313	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
1414	480776.5	3768304	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
1415	480780.3	3768295	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
1416	480784.1	3768286	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
1417	480787.9	3768277	2.70E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
1418	480791.7	3768268	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
1419	480795.5	3768259	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
1420	480799.3	3768250	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
1421	480803.1	3768241	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
1422	480806.9	3768232	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
1423	480810.7	3768223	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
1424	480814.5	3768214	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
1425	480818.3	3768205	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
1426	480822.2	3768196	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
1427	480826	3768188	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
1428	480829.8	3768179	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1429	480833.6	3768170	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
1430	480837.4	3768161	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1431	480841.2	3768152	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
1432	480845	3768143	1.17E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
1433	480848.8	3768134	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
1434	480852.6	3768125	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
1492	480761.2	3768350	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
1493	480761.1	3768360	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
1494	480761	3768370	4.57E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
1495	480760.9	3768380	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
1496	480760.5	3768420	5.87E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
1497	480760.4	3768429	6.13E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
1498	480760.3	3768439	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
1499	480750.4	3768295	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
1500	480754.3	3768285	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
1501	480758.1	3768276	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
1502	480761.9	3768267	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
1503	480765.8	3768258	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
1504	480769.6	3768249	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
1505	480773.4	3768240	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
1506	480777.3	3768231	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
1507	480781.1	3768222	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
1508	480784.9	3768213	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
1509	480788.8	3768204	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
1510	480792.6	3768195	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
1511	480796.4	3768186	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
1512	480800.3	3768177	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1513	480804.1	3768168	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1514	480807.9	3768159	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
1515	480811.8	3768150	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
1516	480815.6	3768141	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1517	480819.4	3768132	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
1579	481335.2	3768435	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
1580	481335.2	3768425	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
1581	481335.3	3768416	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
1582	481335.3	3768406	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
1583	481335.3	3768396	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
1584	481335.3	3768386	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
1585	481335.3	3768376	8.58E-02	0.00E+00	0.00E+00	8.49E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00
1586	481335.3	3768366	7.10E-02	0.00E+00	0.00E+00	7.03E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00
1587	481335.3	3768357	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1588	481335.4	3768317	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
1589	481335.4	3768288	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
1590	481335.4	3768268	4.93E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
1591	481258.6	3768268	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
1592	481239.4	3768248	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
1651	481123.5	3768453	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
1652	481123.3	3768469	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
1653	481113.6	3768453	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
1654	481103.8	3768452	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
1655	481094	3768452	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
1656	481084.1	3768452	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
1657	481074.3	3768452	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
1658	481064.4	3768452	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
1659	481018.3	3768436	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
1660	481008.4	3768436	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
1661	481014.3	3768423	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
1662	481020.2	3768409	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
1663	481005.2	3768467	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
1664	481010.3	3768409	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1665	481016.2	3768395	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
1666	480995.4	3768467	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
1667	481009.3	3768388	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
1668	481015.1	3768374	9.29E-03	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00
1669	481021	3768360	8.39E-03	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00
1670	480985.5	3768467	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
1671	480984.8	3768422	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1672	480990.6	3768408	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1673	481011.1	3768360	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
1674	480975.7	3768467	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
1675	480981.7	3768406	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
1676	480987.9	3768392	9.76E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00
1677	481026.2	3768316	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00
1678	480965.9	3768467	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
1679	480981.1	3768385	9.04E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00
1680	480987.2	3768370	8.23E-03	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00
1681	481026.6	3768306	5.10E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
1682	480956	3768466	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
1683	480955.7	3768421	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00

1684	480961.9	3768406	9.90E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1685	480980.4	3768363	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
1686	480998.9	3768319	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
1687	481034.2	3768293	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
1688	480946.4	3768450	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1689	480946.2	3768466	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1690	480952	3768406	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00
1691	480958.2	3768392	8.87E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
1692	481005.4	3768295	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
1693	481041.7	3768280	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
1694	480936.5	3768450	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1695	480936.3	3768466	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1696	480951.4	3768385	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
1697	480957.5	3768370	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
1698	481005.7	3768285	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00
1699	481042	3768270	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
1700	480926.7	3768450	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1701	480926.5	3768466	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1702	480932.3	3768406	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00
1703	480950.7	3768363	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
1704	480969	3768320	5.15E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
1705	480975.1	3768305	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
1706	480981.3	3768291	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
1707	481013.3	3768272	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
1708	481049.4	3768257	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
1709	480916.9	3768450	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1710	480916.7	3768466	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1711	480925.5	3768399	8.38E-03	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1712	480931.6	3768385	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
1713	480984.6	3768274	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
1714	481020.7	3768259	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
1715	481056.8	3768244	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
1716	480907	3768450	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
1717	480906.8	3768466	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1718	480921.7	3768385	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
1719	480927.8	3768370	6.95E-03	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
1720	480984.9	3768264	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
1721	481021	3768249	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
1722	481057	3768234	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
1723	480897.2	3768450	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1724	480897	3768466	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1725	480890.5	3768435	9.16E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00
1726	480921	3768363	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1727	480939.2	3768320	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
1728	480945.3	3768306	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
1729	480951.4	3768291	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
1730	480957.5	3768277	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
1731	480992.4	3768251	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
1732	481028.4	3768236	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
1733	481064.4	3768222	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
1734	480887.4	3768450	9.73E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
1735	480887.2	3768466	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1736	480895.9	3768399	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
1737	480902	3768384	7.12E-03	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
1738	480932.4	3768313	4.50E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
1739	480947.6	3768277	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
1740	480963.9	3768253	2.84E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
1741	480999.8	3768238	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
1742	481035.7	3768223	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
1743	481071.7	3768209	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
1744	480877.5	3768450	9.41E-03	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00
1745	480877.3	3768465	1.00E-02	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1746	480870.8	3768434	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
1747	480892.1	3768384	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
1748	480898.2	3768370	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
1749	480964.1	3768243	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
1750	481000	3768228	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
1751	481035.9	3768214	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
1752	481071.8	3768199	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
1753	481086.1	3768193	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
1754	480867.7	3768449	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
1755	480867.5	3768465	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
1756	480861	3768434	8.33E-03	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
1757	480891.3	3768363	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
1758	480909.5	3768320	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
1759	480915.6	3768306	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
1760	480921.6	3768292	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
1761	480927.7	3768277	3.33E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
1762	480933.8	3768263	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
1763	480939.8	3768249	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
1764	480971.5	3768230	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
1765	481007.4	3768215	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
1766	481043.2	3768201	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
1767	481079	3768186	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
1768	480857.8	3768449	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
1769	480857.6	3768465	9.39E-03	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
1770	480872.3	3768384	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
1771	480899.6	3768320	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
1772	480905.7	3768306	4.05E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
1773	480914.8	3768285	3.47E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
1774	480926.9	3768256	2.79E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
1775	480932.9	3768242	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
1776	480943.1	3768232	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
1777	480978.9	3768217	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
1778	481014.7	3768203	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
1779	481050.5	3768188	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00

1781	480848	3768449	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
1782	480847.8	3768465	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
1783	480841.3	3768434	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
1784	480862.5	3768384	6.38E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00
1785	480868.5	3768370	5.93E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
1786	480943.4	3768222	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
1787	480979.1	3768207	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
1788	481014.9	3768193	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1791	480838.2	3768449	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
1792	480838	3768465	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
1793	480811.3	3768434	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
1794	480832.4	3768384	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00
1795	480838.5	3768370	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
1796	480922.3	3768201	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1797	480958	3768186	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
1803	480808.2	3768449	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
1804	480808	3768465	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
1805	480781.4	3768433	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
1806	480806.2	3768375	5.21E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
1807	480901.6	3768179	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
1815	480778.2	3768448	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
1816	480778	3768464	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
1817	480776.1	3768375	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
1818	480880.5	3768158	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
1819	480917	3768143	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
1828	480859.4	3768136	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1829	480895.8	3768122	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
1830	480932.3	3768107	9.84E-04	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00
1839	480691.4	3768432	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
1840	480697.5	3768418	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
1850	480688.2	3768447	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
1851	480688	3768463	5.83E-03	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
1852	480661.4	3768432	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
1853	480667.5	3768417	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
1854	480704.4	3768331	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
1855	480710.5	3768316	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
1856	480716.6	3768302	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
1857	480753.5	3768215	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
1858	480759.6	3768201	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
1859	480765.8	3768186	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1860	480771.9	3768172	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1861	480778.1	3768157	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
1862	480784.2	3768143	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1879	480658.2	3768447	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
1880	480658	3768463	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
1881	480631.4	3768431	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00
1882	480637.5	3768417	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
1883	480674.3	3768330	3.12E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
1884	480680.4	3768316	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
1885	480686.5	3768302	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
1886	480692.7	3768287	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
1887	480698.8	3768273	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
1888	480704.9	3768258	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
1889	480711.1	3768244	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
1890	480717.2	3768230	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
1891	480723.3	3768215	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
1892	480754	3768143	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
1911	480628.2	3768446	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
1912	480628	3768462	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
1913	480601.3	3768431	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
1914	480607.5	3768417	4.12E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
1915	480644.2	3768330	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1916	480650.3	3768316	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
1917	480656.4	3768301	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
1918	480662.6	3768287	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
1919	480668.7	3768273	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
1920	480674.8	3768258	2.07E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
1921	480680.9	3768244	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
1922	480687.1	3768230	1.76E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
1923	480693.2	3768215	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
1924	480699.3	3768201	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
1925	480705.4	3768186	1.39E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
1926	480711.5	3768172	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
1927	480717.7	3768158	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
1948	480598.2	3768446	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
1949	480598	3768462	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
1950	480571.3	3768431	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
1951	480577.5	3768416	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
1952	480614.1	3768330	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
1953	480620.2	3768316	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
1954	480626.4	3768301	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
1955	480632.5	3768287	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
1956	480638.6	3768273	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
1957	480644.7	3768258	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
1958	480650.8	3768244	1.84E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
1959	480656.9	3768229	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
1960	480663	3768215	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
1961	480669.1	3768201	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
1962	480675.3	3768186	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
1963	480681.4	3768172	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
1964	480687.5	3768158	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
1991	480568.2	3768446	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
1992	480568	3768462	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
1993	480541.4	3768430	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
1994	480547.6	3768415	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00
1995	480553.8	3768401	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00

1996	480584.9	3768328	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
1997	480591.1	3768313	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
1998	480597.3	3768299	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
1999	480603.5	3768284	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
2000	480609.7	3768270	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
2001	480615.9	3768255	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
2002	480622.1	3768240	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
2003	480628.3	3768226	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
2004	480634.5	3768211	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
2005	480640.8	3768197	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
2006	480647	3768182	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
2007	480653.2	3768167	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
2008	480659.4	3768153	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
2016	480709.1	3768036	6.46E-04	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00
2017	480715.3	3768022	6.11E-04	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00
2042	480538.2	3768445	3.99E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
2043	480538	3768461	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
2044	481143.4	3768508	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
2045	481152.5	3768510	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
2046	481161.6	3768513	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2047	481170.7	3768516	5.07E-02	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00
2048	481179.8	3768519	5.40E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00
2049	481188.9	3768522	5.69E-02	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
2050	481198	3768524	5.93E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2051	481207.1	3768527	6.06E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
2052	481149.6	3768520	4.22E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00
2053	481158.7	3768523	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2054	481167.8	3768525	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
2055	481176.9	3768528	4.93E-02	0.00E+00	0.00E+00	4.87E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00
2056	481186	3768531	5.11E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
2057	481195.1	3768534	5.24E-02	0.00E+00	0.00E+00	5.19E-02	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00
2058	481204.2	3768537	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
2059	481122.2	3768519	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
2060	481109.5	3768510	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2061	481100.8	3768498	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
2062	481146.7	3768529	3.99E-02	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
2063	481155.8	3768532	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
2064	481165	3768535	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2065	481174.1	3768538	4.49E-02	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00
2066	481183.2	3768540	4.61E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
2067	481192.3	3768543	4.68E-02	0.00E+00	0.00E+00	4.63E-02	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00
2068	481201.4	3768546	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
2069	481118.1	3768528	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
2070	481110.4	3768522	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2071	481102.8	3768517	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
2072	481092.4	3768503	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
2073	481089.5	3768494	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
2074	481143.9	3768539	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
2075	481153	3768541	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
2076	481162.1	3768544	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
2077	481171.2	3768547	4.11E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
2078	481180.3	3768550	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
2079	481189.4	3768553	4.20E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2080	481198.5	3768555	4.20E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2081	481115.7	3768538	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
2082	481101.5	3768527	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
2083	481084.6	3768509	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
2084	481079.3	3768492	2.61E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
2085	481150.1	3768551	3.61E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00
2086	481159.2	3768554	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00
2087	481168.3	3768556	3.75E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
2088	481177.4	3768559	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
2089	481186.5	3768562	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
2090	481195.6	3768565	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
2091	481113.2	3768547	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
2092	481099.6	3768538	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
2093	481086.1	3768528	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
2094	481076.8	3768515	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
2095	481071.7	3768499	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
2096	481147.3	3768560	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00
2097	481156.4	3768563	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
2098	481165.5	3768566	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
2099	481174.6	3768569	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
2100	481183.7	3768571	3.43E-02	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00
2101	481192.8	3768574	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
2102	481109.5	3768556	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
2103	481101.8	3768551	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2104	481094.2	3768545	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2105	481086.6	3768540	2.75E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
2106	481079	3768534	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
2107	481068.5	3768520	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
2108	481065.7	3768511	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
2109	481062.8	3768502	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
2110	481060	3768493	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
2111	481057.1	3768484	2.26E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
2112	481117.1	3768561	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
2113	481144.4	3768570	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
2114	481153.5	3768572	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
2115	481162.6	3768575	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
2116	481171.7	3768578	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
2117	481180.8	3768581	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
2118	481189.9	3768584	3.07E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
2119	481107	3768566	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
2120	481092.5	3768555	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
2121	481077.9	3768545	2.61E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
2122	481060.7	3768526	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00

2123	481055.3	3768509	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
2124	481049.9	3768492	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
2125	481123.3	3768574	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2126	481141.5	3768579	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2127	481150.6	3768582	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
2128	481159.7	3768585	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2129	481168.9	3768587	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
2130	481178	3768590	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2131	481187.1	3768593	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
2132	481104.4	3768575	2.62E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
2133	481090.4	3768565	2.60E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
2134	481076.4	3768555	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
2135	481062.5	3768546	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
2136	481052.9	3768532	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2137	481047.7	3768516	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
2138	481042.5	3768500	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
2139	481037.2	3768483	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2140	481120.5	3768583	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
2141	481147.8	3768591	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
2142	481156.9	3768594	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
2143	481166	3768597	2.62E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
2144	481175.1	3768600	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
2145	481184.2	3768602	2.52E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
2146	481100.9	3768584	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2147	481093.3	3768579	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
2148	481085.6	3768573	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2149	481078	3768568	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
2150	481070.4	3768563	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
2151	481062.8	3768557	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
2152	481055.2	3768552	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
2153	481044.7	3768538	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2154	481041.9	3768529	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2155	481039	3768520	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
2156	481036.2	3768511	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2157	481033.3	3768502	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2158	481030.5	3768493	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2159	481027.6	3768484	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2160	481108.5	3768590	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
2161	481117.6	3768592	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2162	481144.9	3768601	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
2163	481154	3768604	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
2164	481163.1	3768606	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
2165	481172.2	3768609	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2166	481181.3	3768612	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
2167	481098.3	3768594	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
2168	481083.6	3768583	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2169	481076.3	3768578	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
2170	481069	3768573	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
2171	481061.6	3768568	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2172	481054.3	3768563	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2173	481036.9	3768544	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
2174	481034.1	3768535	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
2175	481028.6	3768518	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2176	481025.9	3768509	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
2177	481020.4	3768492	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2178	481105.6	3768599	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2179	481114.7	3768602	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2180	481123.8	3768605	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2181	481142.1	3768610	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2182	481151.2	3768613	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2183	481160.3	3768616	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
2184	481169.4	3768618	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2185	481178.5	3768621	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2186	481095.7	3768603	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
2187	481081.4	3768593	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
2188	481067.2	3768583	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2189	481053	3768573	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
2190	481038.8	3768563	2.14E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
2191	481029	3768550	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
2192	481023.7	3768533	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
2193	481018.4	3768516	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2194	481013.1	3768500	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
2195	481007.8	3768483	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2196	481111.9	3768611	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2197	481121	3768614	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
2198	481148.3	3768622	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
2199	481157.4	3768625	2.02E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2200	481166.5	3768628	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
2201	481175.6	3768631	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
2202	481092.3	3768612	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
2203	481084.7	3768607	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2204	481077.1	3768602	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
2205	481069.4	3768596	2.13E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
2206	481061.8	3768591	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
2207	481054.2	3768585	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
2208	481046.6	3768580	2.11E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
2209	481039	3768575	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
2210	481031.3	3768569	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
2211	481020.9	3768555	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2212	481018	3768546	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2213	481015.2	3768537	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2214	481012.3	3768528	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
2215	481009.5	3768519	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2216	481006.7	3768510	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
2217	481003.8	3768502	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
2218	481001	3768493	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00

2219	480998.1	3768484	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2220	481099.9	3768618	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2221	481109	3768621	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2222	481118.1	3768623	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2223	481145.4	3768632	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
2224	481154.5	3768635	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2225	481163.6	3768637	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
2226	481172.7	3768640	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2227	481089.7	3768622	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2228	481082.3	3768617	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
2229	481074.9	3768612	2.00E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2230	481067.5	3768606	2.02E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2231	481060.1	3768601	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2232	481052.7	3768596	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2233	481045.3	3768591	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2234	481037.9	3768585	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2235	481030.6	3768580	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2236	481013	3768561	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2237	481010.3	3768552	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2238	481004.7	3768535	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
2239	480999.2	3768518	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2240	480993.7	3768501	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2241	480988.2	3768483	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2242	481097	3768627	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2243	481106.2	3768630	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
2244	481115.3	3768633	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2245	481142.6	3768641	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2246	481151.7	3768644	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2247	481160.8	3768647	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
2248	481169.9	3768649	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
2249	481087	3768632	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2250	481072.6	3768621	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2251	481058.2	3768611	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2252	481043.8	3768601	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2253	481029.4	3768591	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2254	481015	3768581	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
2255	481005.2	3768567	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
2256	480999.8	3768550	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
2257	480994.4	3768533	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
2258	480989	3768517	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
2259	480983.7	3768500	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2260	480978.3	3768483	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2261	481103.3	3768639	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2262	481112.4	3768642	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
2263	481121.5	3768645	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2264	481148.8	3768653	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2265	481157.9	3768656	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2266	481167	3768659	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2267	481083.7	3768641	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2268	481076.1	3768635	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2269	481068.5	3768630	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
2270	481060.8	3768625	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2271	481053.2	3768619	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2272	481045.6	3768614	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2273	481038	3768608	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2274	481030.4	3768603	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2275	481022.8	3768597	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2276	481015.1	3768592	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2277	481007.5	3768587	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
2278	480997.1	3768572	1.80E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2279	480994.2	3768563	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2280	480991.4	3768555	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2281	480988.5	3768546	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
2282	480985.7	3768537	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2283	480982.8	3768528	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2284	480980	3768519	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2285	480977.1	3768510	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
2286	480974.3	3768501	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
2287	480971.5	3768492	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2288	480968.6	3768483	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2289	481091.3	3768646	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
2290	481100.4	3768649	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2291	481109.5	3768652	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2292	481118.6	3768654	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2293	481146	3768663	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2294	481155.1	3768666	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2295	481164.2	3768668	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2296	481081	3768650	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
2297	481073.6	3768645	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2298	481066.2	3768640	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2299	481058.8	3768634	1.70E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
2300	481051.3	3768629	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2301	481043.9	3768624	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
2302	481036.5	3768619	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2303	481029.1	3768613	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
2304	481021.7	3768608	1.77E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
2305	481014.2	3768603	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
2306	481006.8	3768598	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2307	480999.4	3768592	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2308	480989.2	3768578	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2309	480986.4	3768570	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2310	480983.6	3768561	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2311	480978.1	3768544	1.71E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
2312	480975.3	3768535	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2313	480972.6	3768526	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
2314	480967	3768509	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00

2315	480964.2	3768500	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2316	480958.7	3768483	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2317	481088.5	3768656	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2318	481097.6	3768658	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2319	481106.7	3768661	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2320	481115.8	3768664	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2321	481143.1	3768672	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2322	481152.2	3768675	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2323	481161.3	3768678	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2324	481078.3	3768660	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2325	481063.8	3768650	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2326	481049.3	3768639	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2327	481034.8	3768629	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2328	481020.3	3768619	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2329	481005.8	3768608	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2330	480991.3	3768598	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2331	480981.3	3768584	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2332	480975.9	3768567	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2333	480970.5	3768550	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2334	480965.1	3768534	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2335	480959.6	3768517	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2336	480954.2	3768500	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2337	480948.8	3768483	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2338	481094.7	3768668	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2339	481103.8	3768671	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2340	481112.9	3768673	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2341	481122	3768676	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2342	481149.3	3768684	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2343	481158.4	3768687	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2344	481075.1	3768669	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2345	481067.5	3768664	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2346	481059.9	3768658	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2347	481052.3	3768653	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
2348	481044.6	3768647	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2349	481037	3768642	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2350	481029.4	3768637	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2351	481021.8	3768631	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2352	481014.2	3768626	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2353	481006.6	3768620	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2354	480998.9	3768615	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2355	480991.3	3768609	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2356	480983.7	3768604	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2357	480973.2	3768590	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2358	480970.4	3768581	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2359	480967.5	3768572	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2360	480964.7	3768563	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2361	480961.9	3768554	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2362	480959	3768545	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2363	480956.2	3768536	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2364	480953.3	3768527	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2365	480950.5	3768519	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2366	480947.6	3768510	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2367	480944.8	3768501	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2368	480941.9	3768492	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2369	480939.1	3768483	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2370	481082.7	3768674	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2371	481091.8	3768677	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2372	481100.9	3768680	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2373	481110	3768683	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2374	481119.2	3768685	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2375	481146.5	3768694	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2376	481155.6	3768697	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2377	481072.4	3768679	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2378	481065	3768673	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2379	481057.5	3768668	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2380	481050.1	3768663	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2381	481042.6	3768657	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2382	481035.2	3768652	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2383	481027.7	3768647	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
2384	481020.3	3768641	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2385	481012.8	3768636	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2386	481005.4	3768631	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2387	480997.9	3768626	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2388	480990.5	3768620	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2389	480983	3768615	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2390	480975.6	3768610	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2391	480965.4	3768596	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2392	480962.6	3768587	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2393	480957	3768570	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2394	480954.2	3768561	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2395	480951.4	3768552	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2396	480948.7	3768544	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2397	480943.1	3768526	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2398	480940.3	3768517	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2399	480937.5	3768509	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2400	480934.8	3768500	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
2401	480932	3768491	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2402	481079.9	3768684	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2403	481089	3768687	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2404	481098.1	3768689	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2405	481107.2	3768692	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2406	481116.3	3768695	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2407	481143.6	3768703	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2408	481152.7	3768706	9.51E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
2409	481069.7	3768688	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2410	481055.1	3768678	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00

2411	481040.5	3768667	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2412	481033.2	3768662	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2413	481018.6	3768652	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2414	481011.3	3768647	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2415	480996.7	3768636	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2416	480982.1	3768626	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2417	480967.5	3768615	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2418	480957.5	3768602	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2419	480952	3768585	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
2420	480946.6	3768568	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
2421	480943.8	3768559	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
2422	480938.4	3768542	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2423	480932.9	3768525	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2424	480927.5	3768508	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2425	480922	3768491	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2426	481077	3768693	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2427	481086.1	3768696	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2428	481095.2	3768699	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2429	481104.3	3768702	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2430	481113.4	3768704	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2431	481122.5	3768707	9.97E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2432	481149.8	3768715	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00
2433	481066.5	3768697	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2434	481058.9	3768692	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2435	481051.3	3768686	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2436	481043.7	3768681	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2437	481036.1	3768676	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2438	481028.4	3768670	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2439	481020.8	3768665	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
2440	481013.2	3768659	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2441	481005.6	3768654	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2442	480998	3768649	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2443	480990.3	3768643	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2444	480982.7	3768638	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2445	480975.1	3768632	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2446	480967.5	3768627	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2447	480959.9	3768622	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2448	480949.4	3768607	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2449	480946.6	3768598	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2450	480943.7	3768589	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2451	480940.9	3768581	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2452	480938	3768572	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2453	480935.2	3768563	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2454	480932.3	3768554	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2455	480929.5	3768545	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2456	480926.6	3768536	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2457	480923.8	3768527	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2458	480921	3768518	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2459	480918.1	3768509	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2460	480915.3	3768500	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2461	480912.4	3768492	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2462	480909.6	3768483	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2463	481074.1	3768703	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2464	481083.3	3768705	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2465	481092.4	3768708	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2466	481101.5	3768711	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2467	481110.6	3768714	9.59E-03	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00
2468	481119.7	3768716	9.23E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00
2469	481147	3768725	8.09E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
2470	481063.8	3768707	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2471	481056.3	3768701	1.11E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2472	481048.9	3768696	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2473	481041.4	3768691	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2474	481033.9	3768686	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2475	481026.5	3768680	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2476	481019	3768675	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2477	481011.5	3768670	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2478	481004.1	3768664	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2479	480996.6	3768659	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2480	480989.1	3768654	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2481	480981.7	3768648	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2482	480974.2	3768643	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2483	480966.7	3768638	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2484	480959.3	3768633	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2485	480951.8	3768627	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2486	480941.5	3768613	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2487	480938.7	3768604	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2488	480935.9	3768596	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2489	480933.2	3768587	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2490	480930.4	3768578	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2491	480927.6	3768570	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2492	480924.8	3768561	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
2493	480922	3768552	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2494	480916.4	3768535	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2495	480913.6	3768526	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2496	480910.8	3768517	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2497	480908.1	3768509	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2498	480905.3	3768500	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2499	480902.5	3768491	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2500	480899.7	3768482	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2501	481071.3	3768712	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2502	481080.4	3768715	9.87E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
2503	481089.5	3768718	9.56E-03	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
2504	481098.6	3768720	9.24E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00
2505	481107.7	3768723	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
2506	481116.8	3768726	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00

2507	481061.1	3768716	9.92E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2508	481053.7	3768711	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2509	481046.4	3768706	1.08E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2510	481039.1	3768701	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2511	481024.4	3768690	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2512	481017.1	3768685	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2513	481009.7	3768680	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2514	481002.4	3768675	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2515	480995.1	3768669	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2516	480980.4	3768659	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2517	480973.1	3768654	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2518	480965.7	3768649	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2519	480958.4	3768643	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2520	480943.7	3768633	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2521	480933.6	3768619	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
2522	480930.9	3768611	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2523	480925.4	3768593	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2524	480922.7	3768585	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2525	480917.2	3768568	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2526	480911.7	3768551	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2527	480906.2	3768533	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2528	480900.8	3768516	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2529	480895.3	3768499	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2530	480892.5	3768491	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2531	481068.4	3768721	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2532	481077.5	3768724	9.20E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
2533	481086.6	3768727	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
2534	481095.7	3768730	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2535	481104.8	3768733	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
2536	481113.9	3768735	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00
2537	481057.9	3768725	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
2538	481050.3	3768720	9.72E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00
2539	481042.7	3768715	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2540	481035.1	3768709	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2541	481027.5	3768704	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2542	481019.8	3768698	1.13E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2543	481012.2	3768693	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2544	481004.6	3768688	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2545	480997	3768682	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2546	480989.4	3768677	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2547	480981.8	3768671	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2548	480974.1	3768666	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2549	480966.5	3768661	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2550	480958.9	3768655	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2551	480951.3	3768650	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2552	480943.7	3768644	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2553	480936	3768639	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2554	480925.6	3768625	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2555	480922.7	3768616	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2556	480919.9	3768607	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2557	480917.1	3768598	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2558	480914.2	3768589	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2559	480911.4	3768580	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2560	480908.5	3768571	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2561	480905.7	3768562	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2562	480902.8	3768553	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2563	480900	3768545	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2564	480897.1	3768536	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2565	480894.3	3768527	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2566	480891.4	3768518	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2567	480888.6	3768509	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2568	480885.8	3768500	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2569	480882.9	3768491	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2570	480880.1	3768482	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2571	481065.6	3768731	8.87E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
2572	481074.7	3768734	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2573	481055.2	3768735	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
2574	481047.7	3768730	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
2575	481040.2	3768724	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2576	481032.8	3768719	9.87E-03	0.00E+00	0.00E+00	9.77E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
2577	481025.3	3768714	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2578	481017.8	3768708	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2579	481010.3	3768703	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2580	481002.8	3768698	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2581	480995.3	3768692	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2582	480987.9	3768687	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2583	480980.4	3768682	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2584	480972.9	3768677	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2585	480965.4	3768671	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2586	480957.9	3768666	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2587	480950.4	3768661	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2588	480942.9	3768655	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2589	480935.5	3768650	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2590	480928	3768645	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2591	480917.7	3768631	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2592	480914.9	3768622	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2593	480912.1	3768613	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2594	480909.3	3768604	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2595	480906.5	3768596	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2596	480900.9	3768578	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2597	480898.1	3768569	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2598	480895.3	3768561	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2599	480892.5	3768552	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2600	480889.7	3768543	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2601	480886.9	3768534	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2602	480884.2	3768526	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00

2603	480881.4	3768517	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2604	480878.6	3768508	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2605	480875.8	3768499	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2606	480873	3768491	1.08E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2607	480870.2	3768482	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2608	481036.6	3768733	8.95E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00
2609	481028.8	3768728	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00
2610	481021.1	3768722	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
2611	481013.3	3768717	1.01E-02	0.00E+00	0.00E+00	9.94E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2612	481005.6	3768711	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2613	480997.8	3768706	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2614	480990.1	3768700	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2615	480982.3	3768695	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2616	480974.6	3768689	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2617	480966.8	3768684	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2618	480959.1	3768678	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2619	480951.3	3768673	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2620	480943.6	3768667	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2621	480935.8	3768662	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2622	480928.1	3768656	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2623	480920.3	3768651	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2624	480909.7	3768636	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2625	480906.8	3768627	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2626	480903.9	3768618	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2627	480901	3768609	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2628	480898.1	3768600	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2629	480895.2	3768591	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2630	480892.3	3768582	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2631	480889.4	3768573	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2632	480886.5	3768564	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2633	480883.6	3768555	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2634	480880.7	3768546	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2635	480877.8	3768536	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2636	480874.9	3768527	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2637	480872	3768518	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2638	480869.1	3768509	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2639	480866.2	3768500	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2640	480863.3	3768491	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2641	480860.4	3768482	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2642	481096.3	3768761	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00
2643	481105.4	3768764	6.37E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00
2644	481114.5	3768766	6.09E-03	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00
2645	481018.9	3768732	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
2646	481011.3	3768727	9.44E-03	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00
2647	481003.6	3768721	9.77E-03	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
2648	480996	3768716	1.01E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2649	480988.4	3768710	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2650	480980.8	3768705	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2651	480973.2	3768700	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2652	480965.6	3768694	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2653	480957.9	3768689	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2654	480950.3	3768683	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2655	480942.7	3768678	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2656	480935.1	3768673	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2657	480927.5	3768667	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2658	480919.8	3768662	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2659	480912.2	3768656	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2660	480901.8	3768642	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2661	480898.9	3768633	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2662	480896.1	3768624	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2663	480893.2	3768615	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2664	480890.4	3768606	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2665	480887.5	3768598	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2666	480884.7	3768589	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2667	480881.8	3768580	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2668	480879	3768571	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2669	480876.2	3768562	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2670	480873.3	3768553	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2671	480870.5	3768544	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2672	480867.6	3768535	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2673	480864.8	3768526	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2674	480861.9	3768517	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2675	480859.1	3768509	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2676	480856.2	3768500	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2677	480853.4	3768491	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2678	480850.6	3768482	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
2679	481057	3768759	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
2680	481066.1	3768762	7.00E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
2681	481075.2	3768765	6.74E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00
2682	481084.3	3768767	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
2683	481093.4	3768770	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
2684	481102.5	3768773	5.94E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
2685	481111.6	3768776	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
2686	481120.7	3768778	5.40E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00
2687	481046.6	3768763	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
2688	481001.6	3768731	9.19E-03	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00
2689	480994.1	3768726	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2690	480986.6	3768721	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
2691	480979.1	3768715	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2692	480971.6	3768710	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2693	480964.1	3768705	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2694	480956.6	3768699	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2695	480949.1	3768694	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2696	480941.6	3768689	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2697	480934.2	3768683	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2698	480926.7	3768678	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00

2699	480919.2	3768673	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2700	480911.7	3768667	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2701	480904.2	3768662	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2702	480893.9	3768648	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2703	480891.1	3768639	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2704	480888.3	3768630	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2705	480885.5	3768622	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2706	480882.7	3768613	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2707	480879.9	3768604	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2708	480877.1	3768595	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2709	480874.3	3768587	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2710	480871.5	3768578	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2711	480868.7	3768569	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2712	480865.9	3768560	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2713	480863.1	3768552	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2714	480860.3	3768543	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2715	480857.5	3768534	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2716	480854.7	3768525	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2717	480851.9	3768517	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2718	480849.1	3768508	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2719	480846.3	3768499	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2720	480843.5	3768490	9.77E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
2721	480840.7	3768482	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
2722	481054.1	3768769	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
2723	481063.2	3768771	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
2724	481072.3	3768774	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
2725	481081.4	3768777	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
2726	481090.5	3768780	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
2727	481099.6	3768782	5.53E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
2728	481108.7	3768785	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
2729	481117.8	3768788	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00
2730	481037.9	3768792	5.87E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00
2731	481030.3	3768787	6.18E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
2732	481022.8	3768781	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
2733	481015.3	3768776	6.80E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
2734	481007.8	3768771	7.10E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00
2735	481000.3	3768765	7.41E-03	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00
2736	480992.8	3768760	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
2737	480955.2	3768733	9.05E-03	0.00E+00	0.00E+00	8.96E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
2738	480947.6	3768728	9.28E-03	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00
2739	480940.1	3768723	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
2740	480932.6	3768717	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00
2741	480925.1	3768712	9.86E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
2742	480917.6	3768706	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2743	480910	3768701	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2744	480902.5	3768696	1.03E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2745	480895	3768690	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2746	480887.5	3768685	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2747	480880	3768680	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2748	480869.6	3768666	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2749	480866.8	3768657	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2750	480864	3768648	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2751	480861.2	3768639	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2752	480858.4	3768631	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2753	480855.6	3768622	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2754	480852.8	3768613	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2755	480850	3768604	1.13E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2756	480847.2	3768595	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2757	480844.4	3768587	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2758	480841.6	3768578	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2759	480838.8	3768569	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2760	480835.9	3768560	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2761	480833.1	3768552	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2762	480830.3	3768543	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2763	480827.5	3768534	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2764	480824.7	3768525	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2765	480821.9	3768516	9.75E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00
2766	480819.1	3768508	9.48E-03	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
2767	480816.3	3768499	9.20E-03	0.00E+00	0.00E+00	9.10E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00
2768	480813.5	3768490	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
2769	480810.7	3768481	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2770	481045.4	3768797	5.57E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
2771	481054.5	3768800	5.35E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00
2772	481063.6	3768803	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
2773	481072.7	3768806	4.92E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00
2774	481081.8	3768808	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
2775	481090.9	3768811	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
2776	481100	3768814	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
2777	481109.1	3768817	4.09E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
2778	481118.2	3768819	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00
2779	481029.1	3768821	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
2780	481021.6	3768815	5.12E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
2781	481014	3768810	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
2782	481006.5	3768805	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00
2783	480999	3768799	5.92E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
2784	480991.4	3768794	6.19E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00
2785	480983.9	3768788	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
2786	480976.4	3768783	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00
2787	480968.8	3768778	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
2788	480961.3	3768772	7.26E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00
2789	480953.7	3768767	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
2790	480946.2	3768762	7.75E-03	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00
2791	480908.5	3768735	8.78E-03	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00
2792	480901	3768730	8.94E-03	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
2793	480893.5	3768724	9.08E-03	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
2794	480885.9	3768719	9.21E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00

2795	480878.4	3768714	9.32E-03	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00
2796	480870.8	3768708	9.41E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00
2797	480863.3	3768703	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2798	480855.8	3768698	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
2799	480845.4	3768683	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
2800	480842.6	3768675	9.95E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2801	480839.8	3768666	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2802	480837	3768657	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2803	480834.2	3768648	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2804	480831.3	3768639	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2805	480828.5	3768631	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2806	480825.7	3768622	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2807	480822.9	3768613	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2808	480820.1	3768604	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2809	480817.3	3768595	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2810	480814.5	3768587	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2811	480811.6	3768578	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2812	480808.8	3768569	1.01E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2813	480806	3768560	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2814	480803.2	3768551	9.77E-03	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
2815	480800.4	3768543	9.59E-03	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
2816	480797.6	3768534	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
2817	480794.8	3768525	9.16E-03	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00
2818	480791.9	3768516	8.92E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00
2819	480789.1	3768507	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00
2820	480786.3	3768499	8.42E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
2821	480783.5	3768490	8.15E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
2822	480780.7	3768481	7.87E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
2823	481036.7	3768826	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
2824	481045.8	3768829	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
2825	481054.9	3768831	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
2826	481064	3768834	4.05E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
2827	481073.1	3768837	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
2828	481082.2	3768840	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
2829	481091.3	3768843	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
2830	481100.4	3768845	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
2831	481109.5	3768848	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
2832	481020.4	3768849	4.04E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
2833	481012.8	3768844	4.26E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
2834	481005.3	3768839	4.48E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
2835	480997.7	3768833	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
2836	480990.2	3768828	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
2837	480982.6	3768822	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
2838	480975.1	3768817	5.43E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
2839	480967.5	3768812	5.67E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
2840	480960	3768806	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
2841	480952.4	3768801	6.15E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
2842	480944.9	3768796	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
2843	480937.3	3768790	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
2844	480929.7	3768785	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00
2845	480922.2	3768780	7.06E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
2846	480914.6	3768774	7.26E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
2847	480907.1	3768769	7.46E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00
2848	480899.5	3768763	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
2849	480861.8	3768737	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
2850	480854.2	3768731	8.52E-03	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00
2851	480846.7	3768726	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
2852	480839.1	3768721	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
2853	480831.6	3768715	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
2854	480821.2	3768701	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00
2855	480818.4	3768692	9.15E-03	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00
2856	480815.6	3768683	9.29E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
2857	480812.7	3768675	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
2858	480809.9	3768666	9.53E-03	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00
2859	480807.1	3768657	9.62E-03	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00
2860	480804.3	3768648	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00
2861	480801.5	3768639	9.74E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00
2862	480798.6	3768631	9.76E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00
2863	480795.8	3768622	9.76E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00
2864	480793	3768613	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00
2865	480790.2	3768604	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
2866	480787.4	3768595	9.63E-03	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
2867	480784.5	3768586	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
2868	480781.7	3768578	9.44E-03	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00
2869	480778.9	3768569	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00
2870	480776.1	3768560	9.16E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
2871	480773.3	3768551	9.00E-03	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
2872	480770.4	3768542	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
2873	480767.6	3768533	8.63E-03	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00
2874	480764.8	3768525	8.42E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
2875	480762	3768516	8.20E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
2876	480759.2	3768507	7.97E-03	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00
2877	480756.3	3768498	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00
2878	480753.5	3768489	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
2879	481027.9	3768855	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
2880	481037	3768857	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
2881	481046.1	3768860	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
2882	481055.2	3768863	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
2883	481064.3	3768866	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
2884	481073.4	3768868	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
2885	481082.6	3768871	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
2886	481091.7	3768874	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
2887	481100.8	3768877	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
2888	481011.6	3768878	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
2889	481004.1	3768873	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
2890	480996.5	3768867	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00

2891	480988.9	3768862	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
2892	480981.4	3768856	4.16E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00
2893	480973.8	3768851	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
2894	480966.2	3768846	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
2895	480958.7	3768840	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00
2896	480951.1	3768835	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
2897	480943.5	3768830	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
2898	480936	3768824	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
2899	480928.4	3768819	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
2900	480920.8	3768814	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
2901	480913.3	3768808	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
2902	480905.7	3768803	6.26E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
2903	480898.2	3768797	6.45E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
2904	480890.6	3768792	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00
2905	480883	3768787	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
2906	480875.5	3768781	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
2907	480867.9	3768776	7.16E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
2908	480860.3	3768771	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00
2909	480852.8	3768765	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
2910	480845.2	3768760	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
2911	480807.4	3768733	8.05E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
2912	480797	3768719	8.28E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00
2913	480794.2	3768710	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
2914	480791.3	3768701	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2915	480788.5	3768692	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00
2916	480785.7	3768683	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
2917	480782.9	3768675	8.93E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
2918	480780	3768666	9.01E-03	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
2919	480777.2	3768657	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
2920	480774.4	3768648	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
2921	480771.6	3768639	9.13E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00
2922	480768.7	3768630	9.13E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00
2923	480765.9	3768622	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
2924	480763.1	3768613	9.07E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
2925	480760.3	3768604	9.02E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
2926	480757.4	3768595	8.95E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
2927	480754.6	3768586	8.85E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00
2928	480751.8	3768577	8.74E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00
2929	481019.2	3768883	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
2930	481028.3	3768886	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
2931	481037.4	3768889	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
2932	481046.5	3768892	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
2933	481055.6	3768894	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
2934	481064.7	3768897	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
2935	481073.8	3768900	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
2936	481082.9	3768903	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
2937	481092	3768905	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
2938	481002.9	3768907	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
2939	480995.3	3768901	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
2940	480987.7	3768896	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
2941	480980.2	3768891	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
2942	480972.6	3768885	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
2943	480965	3768880	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
2944	480957.4	3768874	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
2945	480949.9	3768869	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
2946	480942.3	3768864	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
2947	480934.7	3768858	4.43E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
2948	480927.1	3768853	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
2949	480919.5	3768847	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
2950	480912	3768842	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
2951	480904.4	3768837	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
2952	480896.8	3768831	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
2953	480889.2	3768826	5.57E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
2954	480881.7	3768821	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
2955	480874.1	3768815	5.93E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
2956	480866.5	3768810	6.10E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
2957	480858.9	3768804	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
2958	480851.4	3768799	6.42E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
2959	480843.8	3768794	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
2960	480836.2	3768788	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
2961	480828.6	3768783	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00
2962	480821.1	3768778	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
2963	480813.5	3768772	7.08E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00
2964	480805.9	3768767	7.18E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
2965	480798.3	3768761	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
2966	480772.8	3768736	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
2967	480769.9	3768728	7.81E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00
2968	480767.1	3768719	7.95E-03	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
2969	480764.3	3768710	8.08E-03	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00
2970	480761.4	3768701	8.19E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00
2971	480758.6	3768692	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
2972	480755.8	3768683	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
2973	480753	3768675	8.45E-03	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
2974	480750.1	3768666	8.50E-03	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00
2975	480710.5	3768542	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
2976	480707.7	3768533	7.38E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
2977	480704.9	3768524	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
2978	480702	3768515	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
2979	480699.2	3768506	6.82E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
2980	480696.4	3768498	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
2981	480693.5	3768489	6.41E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
2982	480690.7	3768480	6.20E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
2983	481010.5	3768912	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
2984	481019.6	3768915	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
2985	481028.7	3768918	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
2986	481037.8	3768920	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00

2987	481046.9	3768923	2.28E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
2988	481056	3768926	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
2989	481065.1	3768929	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
2990	481074.2	3768931	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
2991	481083.3	3768934	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
2992	480994.2	3768935	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
2993	480986.6	3768930	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
2994	480979	3768925	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
2995	480971.4	3768919	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
2996	480963.8	3768914	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
2997	480956.2	3768908	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
2998	480948.6	3768903	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
2999	480941	3768898	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3000	480933.5	3768892	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
3001	480925.9	3768887	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
3002	480918.3	3768881	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
3003	480910.7	3768876	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
3004	480903.1	3768871	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
3005	480895.5	3768865	4.46E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
3006	480887.9	3768860	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
3007	480880.4	3768855	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
3008	480872.8	3768849	4.98E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
3009	480865.2	3768844	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
3010	480857.6	3768838	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00
3011	480850	3768833	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3012	480842.4	3768828	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
3013	480834.8	3768822	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00
3014	480827.2	3768817	5.92E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
3015	480819.7	3768811	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
3016	480812.1	3768806	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
3017	480804.5	3768801	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
3018	480796.9	3768795	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
3019	480789.3	3768790	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3020	480781.7	3768785	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00
3021	480774.1	3768779	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3022	480766.6	3768774	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3023	480759	3768768	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
3024	480708.9	3768630	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
3025	480706	3768621	7.98E-03	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00
3026	480703.2	3768612	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
3027	480700.4	3768604	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
3028	480697.5	3768595	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
3029	480694.7	3768586	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
3030	480691.9	3768577	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
3031	480689	3768568	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00
3032	480686.2	3768559	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00
3033	480683.4	3768550	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3034	480680.5	3768541	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
3035	480677.7	3768533	6.85E-03	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00
3036	480674.9	3768524	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3037	480672	3768515	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
3038	480669.2	3768506	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
3039	480666.4	3768497	6.15E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
3040	480663.5	3768488	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
3041	480660.7	3768479	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
3042	481001.7	3768941	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3043	481010.8	3768943	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
3044	481020	3768946	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
3045	481029.1	3768949	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
3051	480985.4	3768964	2.08E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3052	480977.8	3768959	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3053	480970.2	3768953	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3054	480962.6	3768948	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
3055	480955	3768942	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
3056	480947.4	3768937	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
3057	480939.8	3768932	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
3058	480932.2	3768926	2.95E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
3059	480924.7	3768921	3.09E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
3060	480917.1	3768916	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
3061	480909.5	3768910	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
3062	480901.9	3768905	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
3063	480894.3	3768899	3.68E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
3064	480886.7	3768894	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00
3065	480879.1	3768889	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
3066	480871.5	3768883	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
3067	480863.9	3768878	4.30E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
3068	480856.3	3768872	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
3069	480848.7	3768867	4.61E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00
3070	480841.1	3768862	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
3071	480833.5	3768856	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
3072	480825.9	3768851	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00
3073	480818.3	3768845	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
3074	480810.7	3768840	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
3075	480803.1	3768835	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3076	480795.5	3768829	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
3077	480787.9	3768824	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3078	480780.3	3768818	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
3079	480772.7	3768813	5.95E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
3080	480765.1	3768808	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
3081	480757.5	3768802	6.15E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
3082	480750	3768797	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3083	480742.4	3768792	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
3084	480707.3	3768719	7.30E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00
3085	480704.5	3768710	7.38E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
3086	480701.6	3768701	7.45E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
3087	480698.8	3768692	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00

3088	480696	3768683	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
3089	480693.1	3768674	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
3090	480690.3	3768665	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3091	480687.5	3768657	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3092	480684.6	3768648	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
3093	480681.8	3768639	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
3094	480678.9	3768630	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
3095	480676.1	3768621	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
3096	480673.3	3768612	7.42E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
3097	480670.4	3768603	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3098	480667.6	3768594	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
3099	480664.8	3768586	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3100	480661.9	3768577	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
3101	480659.1	3768568	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
3102	480656.3	3768559	6.82E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3103	480653.4	3768550	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
3104	480650.6	3768541	6.53E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3105	480647.7	3768532	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3106	480644.9	3768523	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3107	480642.1	3768515	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
3108	480639.2	3768506	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
3109	480636.4	3768497	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3110	480633.6	3768488	5.56E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00
3111	480630.7	3768479	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
3112	480993	3768969	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
3113	481002.1	3768972	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
3114	481011.2	3768975	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
3115	481020.3	3768978	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
3116	481029.4	3768981	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
3121	480976.7	3768993	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
3122	480969.1	3768987	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
3123	480961.5	3768982	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
3124	480953.9	3768977	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3125	480946.3	3768971	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3126	480938.7	3768966	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3127	480931.1	3768960	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3128	480923.5	3768955	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3129	480915.9	3768950	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
3130	480908.2	3768944	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
3131	480900.6	3768939	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
3132	480893	3768933	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3133	480885.4	3768928	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3134	480877.8	3768923	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
3135	480870.2	3768917	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3136	480862.6	3768912	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
3137	480855	3768906	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
3138	480847.4	3768901	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
3139	480839.8	3768896	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
3140	480832.2	3768890	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
3141	480824.6	3768885	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
3142	480817	3768879	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
3143	480809.4	3768874	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
3144	480801.8	3768869	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
3145	480794.2	3768863	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3146	480786.6	3768858	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3147	480779	3768852	5.08E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
3148	480771.4	3768847	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
3149	480763.8	3768842	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3150	480756.2	3768836	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
3151	480748.6	3768831	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
3152	480741	3768825	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
3153	480710.6	3768804	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
3154	480700.1	3768790	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
3155	480697.3	3768781	6.28E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
3156	480694.4	3768772	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
3157	480691.6	3768763	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00
3158	480683.1	3768736	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
3159	480680.2	3768727	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
3160	480677.4	3768719	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
3161	480674.6	3768710	7.05E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
3162	480671.7	3768701	7.10E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00
3163	480668.9	3768692	7.14E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
3164	480666	3768683	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3165	480663.2	3768674	7.18E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
3166	480660.4	3768665	7.19E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
3167	480657.5	3768656	7.18E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
3168	480654.7	3768647	7.16E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
3169	480651.8	3768639	7.13E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00
3170	480649	3768630	7.09E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00
3171	480646.2	3768621	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
3172	480643.3	3768612	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
3173	480640.5	3768603	6.89E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
3174	480637.6	3768594	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3175	480634.8	3768585	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
3176	480632	3768576	6.60E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00
3177	480629.1	3768568	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
3178	480626.3	3768559	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
3179	480623.4	3768550	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
3180	480620.6	3768541	6.10E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
3181	480617.8	3768532	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
3182	480614.9	3768523	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
3183	480612.1	3768514	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
3184	480609.2	3768505	5.51E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
3185	480606.4	3768496	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00
3186	480603.6	3768488	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
3187	480600.7	3768479	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00

3188	480984.3	3768998	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
3189	480993.4	3769001	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
3190	481002.5	3769004	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
3191	481011.6	3769006	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
3192	481020.7	3769009	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
3193	481029.8	3769012	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
3197	480967.9	3769021	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
3198	480960.3	3769016	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
3199	480952.7	3769011	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3200	480945.1	3769005	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
3201	480937.5	3769000	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
3202	480929.9	3768994	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
3203	480922.3	3768989	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3204	480914.7	3768984	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
3205	480907.1	3768978	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
3206	480899.4	3768973	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
3207	480891.8	3768967	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
3208	480884.2	3768962	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
3209	480876.6	3768957	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
3210	480869	3768951	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
3211	480861.4	3768946	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
3212	480853.8	3768940	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
3213	480846.2	3768935	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
3214	480838.6	3768930	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
3215	480831	3768924	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
3216	480823.3	3768919	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
3217	480815.7	3768913	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
3218	480808.1	3768908	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
3219	480800.5	3768903	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
3220	480792.9	3768897	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
3221	480785.3	3768892	4.25E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
3222	480777.7	3768886	4.37E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
3223	480770.1	3768881	4.49E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
3224	480762.5	3768876	4.61E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00
3225	480754.8	3768870	4.72E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
3226	480747.2	3768865	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3227	480709.2	3768838	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3228	480701.6	3768832	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
3229	480694	3768827	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3230	480686.3	3768822	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
3231	480675.9	3768807	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3232	480673.1	3768798	5.86E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
3233	480670.2	3768789	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
3234	480667.4	3768781	6.09E-03	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00
3235	480664.5	3768772	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
3236	480661.7	3768763	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3237	480653.2	3768736	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
3238	480650.3	3768727	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
3239	480647.5	3768718	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3240	480644.6	3768709	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3241	480641.8	3768701	6.77E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
3242	480638.9	3768692	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
3243	480636.1	3768683	6.81E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
3244	480633.3	3768674	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3245	480630.4	3768665	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
3246	480627.6	3768656	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
3247	480624.7	3768647	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
3248	480621.9	3768638	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3249	480619	3768629	6.67E-03	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
3250	480616.2	3768621	6.61E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
3251	480613.4	3768612	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
3252	480610.5	3768603	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
3253	480607.7	3768594	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3254	480604.8	3768585	6.29E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
3255	480602	3768576	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00
3256	480599.2	3768567	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
3257	480596.3	3768558	5.97E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
3258	480593.5	3768549	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
3259	480590.6	3768541	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00
3260	480587.8	3768532	5.58E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
3261	480584.9	3768523	5.45E-03	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00
3262	480582.1	3768514	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00
3263	480579.3	3768505	5.16E-03	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
3264	480576.4	3768496	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00
3265	480573.6	3768487	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
3266	480570.7	3768478	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
3267	480975.6	3769027	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
3268	480984.7	3769030	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
3269	480993.8	3769032	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
3270	481002.9	3769035	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
3271	481012	3769038	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
3272	481021.1	3769041	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
3273	481030.2	3769043	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
3276	480959.2	3769050	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
3277	480951.6	3769045	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
3278	480944	3769039	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
3279	480936.4	3769034	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
3280	480928.7	3769029	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
3281	480921.1	3769023	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
3282	480913.5	3769018	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
3283	480905.9	3769012	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
3284	480898.3	3769007	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
3285	480890.7	3769001	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3286	480883	3768996	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
3287	480875.4	3768991	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
3288	480867.8	3768985	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00

3289	480860.2	3768980	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
3290	480852.6	3768974	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
3291	480845	3768969	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
3292	480837.3	3768964	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
3293	480829.7	3768958	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
3294	480822.1	3768953	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3295	480814.5	3768947	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
3296	480806.9	3768942	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
3297	480799.2	3768937	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
3298	480791.6	3768931	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
3299	480784	3768926	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
3300	480776.4	3768920	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
3301	480768.8	3768915	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
3302	480761.2	3768910	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
3303	480753.5	3768904	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
3304	480745.9	3768899	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
3305	480707.8	3768872	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00
3306	480700.2	3768866	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00
3307	480692.6	3768861	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
3308	480685	3768855	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3309	480677.4	3768850	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00
3310	480669.8	3768845	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
3311	480662.1	3768839	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
3312	480651.7	3768825	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
3313	480648.8	3768816	5.48E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
3314	480646	3768807	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
3315	480643.1	3768798	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
3316	480640.3	3768789	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
3317	480637.5	3768780	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
3318	480634.6	3768772	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00
3319	480631.8	3768763	6.09E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
3320	480623.2	3768736	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
3321	480620.4	3768727	6.34E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
3322	480617.5	3768718	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3323	480614.7	3768709	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
3324	480611.9	3768700	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
3325	480609	3768692	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
3326	480606.2	3768683	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
3327	480603.3	3768674	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
3328	480600.5	3768665	6.44E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
3329	480597.6	3768656	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
3330	480594.8	3768647	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3331	480591.9	3768638	6.34E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
3332	480589.1	3768629	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
3333	480586.3	3768620	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3334	480583.4	3768611	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
3335	480580.6	3768603	6.09E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00
3336	480577.7	3768594	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00
3337	480574.9	3768585	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
3338	480572	3768576	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
3339	480569.2	3768567	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
3340	480566.3	3768558	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
3341	480563.5	3768549	5.48E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
3342	480560.6	3768540	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
3343	480557.8	3768531	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
3344	480555	3768522	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
3345	480552.1	3768514	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
3346	480549.3	3768505	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
3347	480546.4	3768496	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
3348	480543.6	3768487	4.57E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
3349	480540.7	3768478	4.43E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
3350	480966.8	3769056	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
3351	480975.9	3769058	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
3352	480985	3769061	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
3353	480994.1	3769064	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3354	481003.2	3769067	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
3355	481012.4	3769069	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
3356	481021.5	3769072	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
3357	481224	3768533	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00
3358	481220.9	3768542	5.24E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
3359	481217.8	3768551	4.61E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
3360	481214.8	3768561	4.09E-02	0.00E+00	0.00E+00	4.05E-02	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
3361	481211.7	3768570	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
3362	481208.6	3768579	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3363	481205.5	3768589	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
3364	481202.4	3768598	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3365	481199.4	3768607	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
3366	481196.3	3768617	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
3367	481193.2	3768626	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3368	481190.1	3768635	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3369	481187	3768645	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
3370	481184	3768654	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3371	481180.9	3768663	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3372	481177.8	3768673	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3373	481174.7	3768682	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3374	481171.6	3768692	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3375	481168.5	3768701	9.62E-03	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00
3376	481165.5	3768710	8.86E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00
3377	481162.4	3768720	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00
3378	481159.3	3768729	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
3379	481150.1	3768757	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00
3380	481147	3768766	5.55E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
3381	481143.9	3768776	5.16E-03	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
3382	481140.8	3768785	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
3383	481118.9	3768851	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
3384	481109.6	3768880	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00

3385	481240.4	3768538	5.90E-02	0.00E+00	0.00E+00	5.84E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
3386	481229.7	3768545	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
3387	481226.8	3768554	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
3388	481224	3768564	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3389	481221.1	3768573	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3390	481218.3	3768582	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3391	481215.4	3768592	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
3392	481212.5	3768601	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
3393	481209.7	3768611	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3394	481206.8	3768620	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
3395	481204	3768629	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
3396	481201.1	3768639	1.70E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3397	481198.2	3768648	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3398	481195.4	3768658	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3399	481192.5	3768667	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
3400	481189.7	3768676	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
3401	481186.8	3768686	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
3402	481183.9	3768695	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
3403	481181.1	3768705	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
3404	481178.2	3768714	8.23E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00
3405	481175.4	3768724	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
3406	481172.5	3768733	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
3407	481163.9	3768761	5.50E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
3408	481161.1	3768771	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
3409	481158.2	3768780	4.74E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
3410	481155.3	3768789	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
3411	481152.5	3768799	4.11E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
3412	481143.8	3768828	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
3413	481118.4	3768883	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
3414	481104.9	3768910	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
3415	481117.6	3768914	1.96E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
3416	481095.9	3768938	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
3417	481108.9	3768942	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
3426	481256.9	3768542	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
3427	481238.5	3768547	5.09E-02	0.00E+00	0.00E+00	5.03E-02	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00
3428	481254.2	3768552	4.92E-02	0.00E+00	0.00E+00	4.87E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00
3429	481235.8	3768557	4.44E-02	0.00E+00	0.00E+00	4.40E-02	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00
3430	481251.6	3768561	4.27E-02	0.00E+00	0.00E+00	4.22E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00
3431	481233.2	3768566	3.92E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00
3432	481249	3768571	3.73E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
3433	481230.5	3768576	3.47E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
3434	481246.3	3768580	3.29E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
3435	481227.9	3768585	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
3436	481243.7	3768590	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3437	481225.3	3768595	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
3438	481241	3768599	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3439	481222.6	3768604	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
3440	481238.4	3768609	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
3441	481220	3768614	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3442	481235.8	3768618	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
3443	481217.4	3768623	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
3444	481233.1	3768628	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3445	481214.7	3768633	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
3446	481230.5	3768637	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
3447	481212.1	3768642	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
3448	481227.8	3768647	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
3449	481209.4	3768652	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
3450	481225.2	3768656	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
3451	481206.8	3768661	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
3452	481222.6	3768665	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3453	481204.2	3768671	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3454	481219.9	3768675	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3455	481201.5	3768680	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3456	481217.3	3768684	9.95E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3457	481198.9	3768690	9.96E-03	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3458	481214.7	3768694	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
3459	481196.2	3768699	9.09E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00
3460	481212	3768703	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
3461	481193.6	3768708	8.32E-03	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00
3462	481209.4	3768713	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
3463	481191	3768718	7.62E-03	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00
3464	481206.7	3768722	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
3465	481188.3	3768727	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
3466	481204.1	3768732	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
3467	481180.4	3768756	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3468	481196.2	3768760	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
3469	481177.8	3768765	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00
3470	481193.5	3768770	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
3471	481175.1	3768775	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
3472	481190.9	3768779	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
3473	481172.5	3768784	4.34E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
3474	481188.3	3768789	3.94E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00
3475	481169.9	3768794	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
3476	481185.6	3768798	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00
3477	481167.2	3768803	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
3478	481183	3768808	3.41E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
3479	481159.2	3768832	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
3480	481174.9	3768837	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
3481	481147	3768860	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
3482	481159	3768863	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3483	481143.1	3768890	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
3484	481158.9	3768894	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
3485	481142.9	3768921	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
3491	481270.5	3768546	5.56E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
3492	481267.9	3768555	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
3493	481265.4	3768565	4.08E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00

3494	481262.8	3768574	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3495	481260.3	3768584	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
3496	481257.7	3768593	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3497	481255.2	3768603	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3498	481252.6	3768612	2.14E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
3499	481250.1	3768622	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
3500	481247.5	3768631	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3501	481245	3768641	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3502	481242.4	3768650	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3503	481239.9	3768660	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
3504	481237.3	3768669	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3505	481234.8	3768679	9.98E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3506	481232.2	3768688	9.04E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00
3507	481229.7	3768698	8.21E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00
3508	481227.1	3768707	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
3509	481224.6	3768717	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
3510	481222	3768726	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
3511	481212.8	3768734	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00
3512	481205.1	3768763	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
3513	481202.6	3768772	4.32E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00
3514	481200	3768782	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
3515	481197.5	3768791	3.71E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
3516	481194.9	3768801	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
3517	481192.4	3768810	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
3518	481184.6	3768839	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
3519	481170.1	3768866	2.27E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
3520	481183.5	3768870	2.11E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
3521	481169	3768897	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
3522	481154.6	3768924	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
3523	481167.9	3768928	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
3524	481146.8	3768953	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
3525	481160.2	3768957	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
3526	481139	3768982	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
3527	481152.4	3768986	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
3528	481144.6	3769015	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
3529	481278.5	3768557	4.62E-02	0.00E+00	0.00E+00	4.58E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00
3530	481276.9	3768567	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00
3531	481275.3	3768577	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3532	481273.7	3768586	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
3533	481272.1	3768596	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
3534	481270.5	3768606	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
3535	481262.3	3768615	2.04E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
3536	481275.6	3768617	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
3537	481260.7	3768624	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3538	481274	3768626	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3539	481259.1	3768634	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3540	481272.4	3768636	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
3541	481257.5	3768644	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3542	481270.9	3768646	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3543	481251.4	3768652	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3544	481262.6	3768654	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3545	481249.5	3768662	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3546	481261	3768664	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
3547	481247.6	3768672	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3548	481259.4	3768674	9.65E-03	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00
3549	481245.7	3768681	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00
3550	481257.8	3768684	8.65E-03	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00
3551	481243.8	3768691	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
3552	481256.2	3768693	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
3553	481241.9	3768701	7.60E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3554	481254.6	3768703	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
3555	481239.9	3768710	6.89E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
3556	481253	3768713	6.34E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
3557	481239.7	3768720	6.20E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00
3558	481251.4	3768722	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
3559	481237.9	3768730	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
3560	481249.9	3768732	5.23E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
3561	481232.4	3768759	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
3562	481220.4	3768756	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
3563	481245.1	3768761	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
3564	481230.6	3768769	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
3565	481218.1	3768766	4.30E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
3566	481243.5	3768771	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
3567	481228.7	3768778	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
3568	481215.8	3768775	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
3569	481241.9	3768781	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
3570	481228.2	3768788	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
3571	481217.5	3768786	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
3572	481240.3	3768790	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
3573	481226.5	3768798	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
3574	481215.3	3768795	3.33E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
3575	481238.7	3768800	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
3576	481224.7	3768807	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
3577	481213.1	3768805	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3578	481237.1	3768810	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
3579	481222.9	3768817	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
3580	481211	3768815	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
3581	481235.5	3768819	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
3582	481217.5	3768847	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
3583	481204.4	3768844	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
3584	481230.7	3768849	2.06E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
3585	481213.2	3768876	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
3586	481201.3	3768874	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
3587	481225.8	3768879	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3588	481207.9	3768906	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
3589	481195	3768903	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00

3590	481182.2	3768900	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
3591	481221	3768908	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
3592	481203.5	3768936	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
3593	481191.7	3768933	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
3594	481179.8	3768930	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
3595	481216.1	3768938	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
3596	481198.3	3768965	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
3597	481185.6	3768962	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
3598	481172.9	3768960	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
3599	481211.3	3768968	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
3600	481193.8	3768995	1.00E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
3601	481182	3768992	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
3602	481170.1	3768990	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
3603	481206.4	3768997	9.66E-04	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00
3604	481176	3769022	9.29E-04	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00
3605	481163.5	3769019	9.67E-04	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00
3606	481191.9	3769086	7.01E-04	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00
3607	481173.8	3769113	6.58E-04	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
3608	481160.7	3769110	6.79E-04	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00
3609	481147.5	3769107	7.01E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00
3610	481134.4	3769105	7.26E-04	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00
3611	481187	3769116	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
3612	481294.7	3768560	4.44E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
3613	481303.6	3768561	4.32E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00
3614	481293.3	3768570	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3615	481291.9	3768579	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
3616	481290.4	3768589	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
3617	481289	3768599	2.39E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
3618	481287.6	3768609	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
3619	481286.2	3768618	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3620	481284.7	3768628	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3621	481283.3	3768638	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3622	481281.9	3768647	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
3623	481271.6	3768656	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3624	481289.3	3768658	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3625	481270.1	3768666	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3626	481279	3768667	9.67E-03	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00
3627	481268.7	3768675	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
3628	481277.6	3768677	8.62E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
3629	481267.3	3768685	8.15E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
3630	481276.2	3768686	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
3631	481265.9	3768695	7.32E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
3632	481274.8	3768696	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
3633	481264.4	3768705	6.59E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
3634	481282.2	3768707	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00
3635	481263	3768714	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
3636	481280.8	3768717	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3637	481261.6	3768724	5.40E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
3638	481279.4	3768727	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
3639	481260.2	3768734	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3640	481257.3	3768753	4.09E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
3641	481275.1	3768756	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
3642	481255.9	3768763	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
3643	481273.7	3768766	3.37E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
3644	481254.5	3768773	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3645	481272.2	3768775	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
3646	481253	3768782	3.18E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3647	481270.8	3768785	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
3648	481251.6	3768792	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
3649	481269.4	3768795	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
3650	481250.2	3768802	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
3651	481268	3768805	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
3652	481248.8	3768812	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3653	481266.5	3768814	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
3654	481247.3	3768821	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
3655	481265.1	3768824	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
3656	481243	3768851	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
3657	481260.8	3768854	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
3658	481238.7	3768881	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
3659	481256.4	3768883	1.51E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
3660	481234.3	3768910	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
3661	481252.1	3768913	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
3662	481230	3768940	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
3663	481238.8	3768941	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
3664	481225.6	3768970	1.05E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
3665	481243.4	3768972	9.91E-04	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
3666	481221.3	3768999	9.25E-04	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00
3667	481203.4	3769088	6.82E-04	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00
3668	481217.1	3769090	6.63E-04	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
3669	481226	3769091	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00
3670	481198.8	3769117	6.23E-04	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
3671	481212.8	3769120	6.05E-04	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00
3672	481313.1	3768562	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3673	481304.9	3768571	3.60E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00
3674	481319.6	3768573	3.43E-02	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00
3675	481304	3768581	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
3676	481318.7	3768582	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
3677	481303.1	3768591	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3678	481317.8	3768592	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
3679	481302.3	3768601	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
3680	481317	3768602	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
3681	481301.4	3768610	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3682	481316.1	3768612	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
3683	481300.5	3768620	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3684	481315.2	3768622	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3685	481299.6	3768630	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00

3686	481314.3	3768631	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
3687	481298.7	3768640	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
3688	481313.4	3768641	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
3689	481297.9	3768650	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
3690	481312.6	3768651	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3691	481304.3	3768660	9.39E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
3692	481292	3768669	8.91E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
3693	481303.4	3768670	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
3694	481290.8	3768678	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00
3695	481302.6	3768680	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3696	481289.7	3768688	7.07E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
3697	481301.7	3768689	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
3698	481288.5	3768698	6.33E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
3699	481300.8	3768699	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
3700	481292.6	3768708	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
3701	481307.3	3768710	5.03E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
3702	481291.7	3768718	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3703	481306.4	3768720	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
3704	481290.8	3768728	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
3705	481305.5	3768729	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
3706	481288.2	3768757	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3707	481302.9	3768759	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
3708	481287.3	3768767	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
3709	481302	3768769	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
3710	481286.4	3768777	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
3711	481301.1	3768778	2.66E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
3712	481280.6	3768786	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
3713	481292.9	3768787	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
3714	481279.6	3768796	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3715	481292	3768797	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
3716	481278.5	3768806	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
3717	481291.1	3768807	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
3718	481277.4	3768816	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3719	481290.3	3768817	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
3720	481276.4	3768825	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
3721	481289.4	3768827	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
3722	481273.1	3768855	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
3723	481286.7	3768857	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
3724	481269.9	3768885	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
3725	481284	3768886	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
3726	481266.7	3768915	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
3727	481281.3	3768916	1.18E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3728	481265.4	3768945	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
3729	481253.6	3768943	1.11E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
3730	481278.7	3768946	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
3731	481262.3	3768975	9.42E-04	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00
3732	481276	3768976	9.10E-04	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00
3733	481254.5	3769064	6.80E-04	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00
3734	481267.9	3769066	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
3735	481251.5	3769094	6.19E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00
3736	481238.8	3769093	6.34E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00
3737	481265.2	3769096	6.04E-04	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00
3738	481248.5	3769124	5.67E-04	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00
3739	481235.1	3769122	5.80E-04	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00
3740	481262.6	3769125	5.53E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
3741	481323.2	3768563	4.09E-02	0.00E+00	0.00E+00	4.05E-02	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
3742	481336.7	3768563	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
3743	481329.8	3768573	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
3744	481343.3	3768573	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3745	481329.6	3768583	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
3746	481343.1	3768583	2.63E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
3747	481329.4	3768593	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
3748	481342.9	3768593	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
3749	481329.2	3768602	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3750	481342.7	3768603	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
3751	481329	3768612	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3752	481342.6	3768612	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
3753	481328.9	3768622	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3754	481342.4	3768622	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
3755	481328.7	3768632	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3756	481342.2	3768632	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3757	481328.5	3768642	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
3758	481342	3768642	9.90E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3759	481328.3	3768652	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00
3760	481341.8	3768652	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
3761	481316.5	3768661	8.71E-03	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00
3762	481328.1	3768661	8.13E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
3763	481341.6	3768662	7.50E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
3764	481316	3768671	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
3765	481327.9	3768671	7.15E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00
3766	481341.4	3768671	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
3767	481315.4	3768681	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
3768	481327.7	3768681	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
3769	481341.2	3768681	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00
3770	481314.9	3768690	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
3771	481327.5	3768691	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
3772	481341	3768691	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
3773	481314.4	3768700	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
3774	481327.3	3768701	5.00E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
3775	481340.8	3768701	4.62E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
3776	481320.4	3768710	4.65E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00
3777	481333.9	3768711	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
3778	481315.6	3768720	4.30E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
3779	481327	3768720	4.04E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
3780	481340.5	3768721	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
3781	481315.2	3768730	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00

3782	481326.8	3768730	3.65E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00
3783	481340.3	3768730	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3784	481313.9	3768759	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
3785	481326.2	3768760	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
3786	481339.7	3768760	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
3787	481313.5	3768769	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
3788	481326	3768770	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
3789	481339.5	3768770	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3790	481313.1	3768779	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
3791	481325.8	3768779	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
3792	481339.3	3768780	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
3793	481312.7	3768789	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
3794	481325.6	3768789	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
3795	481339.1	3768790	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
3796	481312.3	3768799	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
3797	481325.4	3768799	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
3798	481339	3768799	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
3799	481311.8	3768808	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
3800	481325.3	3768809	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
3801	481338.8	3768809	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
3802	481313.1	3768818	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
3803	481302.8	3768818	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
3804	481325.1	3768819	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
3805	481338.6	3768819	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3806	481312.8	3768828	1.76E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
3807	481302.1	3768828	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
3808	481324.9	3768829	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
3809	481338.4	3768829	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
3810	481311.7	3768858	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
3811	481299.9	3768858	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
3812	481324.3	3768859	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
3813	481337.8	3768859	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
3814	481310.6	3768888	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
3815	481297.8	3768887	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
3816	481323.7	3768889	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
3817	481337.2	3768889	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3818	481310.9	3768918	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
3819	481299.8	3768918	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
3820	481323.1	3768919	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
3821	481336.7	3768919	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
3822	481309.9	3768948	9.54E-04	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
3823	481297.9	3768947	9.81E-04	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00
3824	481322.6	3768949	9.28E-04	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00
3825	481336.1	3768949	9.03E-04	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00
3826	481296.1	3768977	8.69E-04	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00
3827	481320.8	3769039	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00
3828	481334.3	3769039	6.53E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00
3829	481307.1	3769068	6.19E-04	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00
3830	481294.4	3769067	6.32E-04	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
3831	481281.7	3769067	6.46E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
3832	481320.3	3769069	6.07E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
3833	481333.8	3769069	5.95E-04	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00
3834	481306.2	3769098	5.65E-04	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00
3835	481292.8	3769097	5.77E-04	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00
3836	481279.3	3769097	5.90E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
3837	481319.7	3769099	5.54E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00
3838	481333.2	3769099	5.43E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00
3839	481306.3	3769128	5.18E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
3840	481294.2	3769127	5.27E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
3841	481282	3769127	5.37E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00
3842	481319.1	3769129	5.09E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00
3843	481332.6	3769129	4.99E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
3844	481353.3	3768563	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3845	481362.8	3768564	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3846	481372.3	3768564	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3847	481381.8	3768564	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
3848	481391.3	3768564	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3849	481400.9	3768564	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
3850	481410.4	3768564	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3851	481419.9	3768564	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
3852	481429.4	3768564	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
3853	481438.9	3768564	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
3854	481448.4	3768565	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
3855	481458	3768565	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
3856	481467.5	3768565	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
3857	481477	3768565	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
3858	481486.5	3768565	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3859	481496	3768565	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3860	481505.6	3768565	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3861	481515.1	3768565	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
3862	481524.6	3768566	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3863	481353.1	3768573	3.08E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3864	481362.7	3768573	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
3865	481372.2	3768573	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
3866	481381.7	3768574	2.72E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
3867	481391.2	3768574	2.59E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
3868	481400.7	3768574	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
3869	481410.3	3768574	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
3870	481419.8	3768574	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
3871	481429.3	3768574	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
3872	481438.8	3768574	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
3873	481448.3	3768574	1.71E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
3874	481457.8	3768575	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
3875	481467.4	3768575	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
3876	481476.9	3768575	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3877	481486.4	3768575	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00

3878	481495.9	3768575	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3879	481505.4	3768575	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3880	481514.9	3768575	9.88E-03	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3881	481524.5	3768575	9.48E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
3882	481353	3768583	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
3883	481362.5	3768583	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
3884	481372.1	3768583	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
3885	481381.6	3768583	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3886	481391.1	3768584	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
3887	481400.6	3768584	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3888	481410.1	3768584	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
3889	481419.6	3768584	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
3890	481429.2	3768584	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
3891	481438.7	3768584	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
3892	481448.2	3768584	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3893	481457.7	3768584	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3894	481467.2	3768585	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3895	481476.8	3768585	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3896	481486.3	3768585	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
3897	481495.8	3768585	9.15E-03	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00
3898	481505.3	3768585	8.70E-03	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00
3899	481514.8	3768585	8.35E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00
3900	481524.3	3768585	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
3901	481352.9	3768593	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
3902	481362.4	3768593	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3903	481371.9	3768593	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
3904	481381.5	3768593	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3905	481391	3768593	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3906	481400.5	3768594	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
3907	481410	3768594	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3908	481419.5	3768594	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3909	481429	3768594	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3910	481438.6	3768594	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
3911	481448.1	3768594	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3912	481457.6	3768594	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3913	481467.1	3768594	9.35E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00
3914	481476.6	3768594	8.70E-03	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
3915	481486.1	3768595	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
3916	481495.7	3768595	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00
3917	481505.2	3768595	7.43E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
3918	481514.7	3768595	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3919	481524.2	3768595	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
3920	481352.8	3768603	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
3921	481362.3	3768603	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3922	481371.8	3768603	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3923	481381.3	3768603	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
3924	481390.8	3768603	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
3925	481400.4	3768603	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3926	481409.9	3768603	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
3927	481419.4	3768604	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3928	481428.9	3768604	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3929	481438.4	3768604	9.79E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00
3930	481447.9	3768604	9.06E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00
3931	481457.5	3768604	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
3932	481467	3768604	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
3933	481476.5	3768604	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
3934	481486	3768604	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
3935	481495.5	3768605	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3936	481505.1	3768605	6.43E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
3937	481514.6	3768605	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3938	481524.1	3768605	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
3939	481352.7	3768613	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3940	481362.2	3768613	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3941	481371.7	3768613	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
3942	481381.2	3768613	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
3943	481390.7	3768613	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
3944	481400.2	3768613	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3945	481409.8	3768613	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3946	481419.3	3768613	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
3947	481428.8	3768614	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
3948	481438.3	3768614	8.20E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
3949	481447.8	3768614	7.63E-03	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00
3950	481457.3	3768614	7.14E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
3951	481466.9	3768614	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
3952	481476.4	3768614	6.35E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00
3953	481485.9	3768614	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
3954	481495.4	3768614	5.83E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00
3955	481504.9	3768615	5.63E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00
3956	481514.4	3768615	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
3957	481524	3768615	5.29E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
3958	481352.5	3768622	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3959	481362	3768623	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
3960	481371.6	3768623	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
3961	481381.1	3768623	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3962	481390.6	3768623	9.88E-03	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3963	481400.1	3768623	9.23E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00
3964	481409.6	3768623	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
3965	481419.1	3768623	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
3966	481428.7	3768623	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
3967	481438.2	3768623	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
3968	481447.7	3768624	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3969	481457.2	3768624	6.15E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
3970	481466.7	3768624	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
3971	481476.3	3768624	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
3972	481485.8	3768624	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3973	481495.3	3768624	5.13E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00

3974	481504.8	3768624	4.97E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
3975	481514.3	3768624	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
3976	481523.8	3768625	4.69E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
3977	481352.4	3768632	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3978	481361.9	3768632	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3979	481371.4	3768632	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
3980	481381	3768633	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
3981	481390.5	3768633	8.42E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
3982	481400	3768633	7.87E-03	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
3983	481409.5	3768633	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3984	481419	3768633	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
3985	481428.5	3768633	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
3986	481438.1	3768633	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
3987	481447.6	3768633	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
3988	481457.1	3768634	5.37E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
3989	481466.6	3768634	5.12E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
3990	481476.1	3768634	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3991	481485.6	3768634	4.71E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
3992	481495.2	3768634	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
3993	481504.7	3768634	4.42E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
3994	481514.2	3768634	4.30E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
3995	481523.7	3768634	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
3996	481352.3	3768642	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00
3997	481361.8	3768642	8.77E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00
3998	481371.3	3768642	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
3999	481380.8	3768642	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
4000	481390.3	3768643	7.24E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
4001	481399.9	3768643	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
4002	481409.4	3768643	6.35E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00
4003	481418.9	3768643	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
4004	481428.4	3768643	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
4005	481437.9	3768643	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
4006	481447.5	3768643	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
4007	481457	3768643	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
4008	481466.5	3768644	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
4009	481476	3768644	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
4010	481485.5	3768644	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
4011	481495	3768644	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
4012	481504.6	3768644	3.97E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00
4013	481514.1	3768644	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
4014	481523.6	3768644	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
4015	481352.2	3768652	8.07E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00
4016	481361.7	3768652	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
4017	481371.2	3768652	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4018	481380.7	3768652	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
4019	481390.2	3768652	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
4020	481399.7	3768653	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
4021	481409.3	3768653	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
4022	481418.8	3768653	5.22E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
4023	481428.3	3768653	4.93E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
4024	481437.8	3768653	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
4025	481447.3	3768653	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
4026	481456.8	3768653	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
4027	481466.4	3768653	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
4028	481475.9	3768653	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
4029	481485.4	3768654	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
4030	481494.9	3768654	3.68E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
4031	481504.4	3768654	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
4032	481513.9	3768654	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
4033	481523.5	3768654	3.42E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00
4034	481352	3768662	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
4035	481361.5	3768662	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00
4036	481371.1	3768662	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
4037	481380.6	3768662	5.87E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
4038	481390.1	3768662	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
4039	481399.6	3768662	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
4040	481409.1	3768662	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
4041	481418.6	3768663	4.62E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
4042	481428.2	3768663	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
4043	481437.7	3768663	4.16E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00
4044	481447.2	3768663	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
4045	481456.7	3768663	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
4046	481466.2	3768663	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
4047	481475.8	3768663	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00
4048	481485.3	3768663	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
4049	481494.8	3768664	3.35E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
4050	481504.3	3768664	3.26E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
4051	481513.8	3768664	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
4052	481523.3	3768664	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
4053	481351.9	3768672	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
4054	481361.4	3768672	5.83E-03	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00
4055	481370.9	3768672	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
4056	481380.5	3768672	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
4057	481390	3768672	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
4058	481399.5	3768672	4.60E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00
4059	481409	3768672	4.35E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00
4060	481418.5	3768672	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
4061	481428	3768673	3.93E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
4062	481437.6	3768673	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
4063	481447.1	3768673	3.59E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
4064	481456.6	3768673	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
4065	481466.1	3768673	3.33E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
4066	481475.6	3768673	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
4067	481485.1	3768673	3.14E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
4068	481494.7	3768673	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
4069	481504.2	3768674	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00

4070	481513.7	3768674	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
4071	481523.2	3768674	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
4072	481351.8	3768681	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4073	481361.3	3768682	5.16E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
4074	481370.8	3768682	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4075	481380.3	3768682	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
4076	481389.8	3768682	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4077	481399.4	3768682	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
4078	481408.9	3768682	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4079	481418.4	3768682	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
4080	481427.9	3768682	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00
4081	481437.4	3768683	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
4082	481447	3768683	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
4083	481456.5	3768683	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
4084	481466	3768683	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
4085	481475.5	3768683	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
4086	481485	3768683	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
4087	481494.5	3768683	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
4088	481504.1	3768683	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
4089	481513.6	3768683	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4090	481351.7	3768691	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
4091	481361.2	3768691	4.59E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
4092	481370.7	3768692	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4093	481380.2	3768692	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
4094	481389.7	3768692	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4095	481399.2	3768692	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
4096	481408.8	3768692	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4097	481418.3	3768692	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
4098	481427.8	3768692	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
4099	481437.3	3768692	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
4100	481446.8	3768692	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4101	481456.3	3768693	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4102	481465.9	3768693	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
4103	481475.4	3768693	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
4104	481484.9	3768693	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
4105	481494.4	3768693	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4106	481503.9	3768693	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
4107	481513.4	3768693	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
4108	481351.5	3768701	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4109	481361	3768701	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
4110	481370.6	3768701	3.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4111	481380.1	3768701	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
4112	481389.6	3768702	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4113	481399.1	3768702	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
4114	481408.6	3768702	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4115	481418.2	3768702	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
4116	481427.7	3768702	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4117	481437.2	3768702	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
4118	481446.7	3768702	2.74E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4119	481456.2	3768702	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
4120	481465.7	3768703	2.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
4121	481475.3	3768703	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4122	481484.8	3768703	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
4123	481494.3	3768703	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4124	481503.8	3768703	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4125	481513.3	3768703	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
4126	481351.4	3768711	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
4127	481360.9	3768711	3.71E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
4128	481370.4	3768711	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4129	481380	3768711	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
4130	481389.5	3768711	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4131	481399	3768712	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4132	481408.5	3768712	2.94E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
4133	481418	3768712	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
4134	481427.5	3768712	2.71E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
4135	481437.1	3768712	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
4136	481446.6	3768712	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
4137	481456.1	3768712	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
4138	481465.6	3768712	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4139	481475.1	3768713	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4140	481484.6	3768713	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4141	481494.2	3768713	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
4142	481503.7	3768713	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
4143	481513.2	3768713	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4144	481351.3	3768721	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
4145	481360.8	3768721	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
4146	481370.3	3768721	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
4147	481379.8	3768721	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4148	481389.4	3768721	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
4149	481398.9	3768721	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
4150	481408.4	3768722	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
4151	481417.9	3768722	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4152	481427.4	3768722	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4153	481436.9	3768722	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4154	481446.5	3768722	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4155	481456	3768722	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4156	481465.5	3768722	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4157	481475	3768722	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
4158	481484.5	3768722	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
4159	481494	3768723	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4160	481503.6	3768723	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4161	481513.1	3768723	2.01E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
4162	481351.2	3768731	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
4163	481360.7	3768731	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
4164	481370.2	3768731	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
4165	481379.7	3768731	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00

4166	481389.2	3768731	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4167	481398.7	3768731	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4168	481408.3	3768731	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
4169	481417.8	3768731	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4170	481427.3	3768732	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
4171	481436.8	3768732	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
4172	481446.3	3768732	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
4173	481455.8	3768732	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
4174	481465.4	3768732	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4175	481474.9	3768732	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
4176	481484.4	3768732	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
4177	481493.9	3768732	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
4178	481503.4	3768733	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
4179	481513	3768733	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
4180	481350.8	3768760	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
4181	481360.3	3768760	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4182	481369.8	3768760	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
4183	481379.3	3768761	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
4184	481388.9	3768761	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4185	481398.4	3768761	2.08E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4186	481407.9	3768761	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4187	481417.4	3768761	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
4188	481426.9	3768761	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4189	481436.4	3768761	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
4190	481446	3768761	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
4191	481455.5	3768761	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
4192	481465	3768762	1.72E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
4193	481474.5	3768762	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
4194	481484	3768762	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4195	481493.5	3768762	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
4196	481503.1	3768762	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4197	481512.6	3768762	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4198	481350.7	3768770	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
4199	481360.2	3768770	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4200	481369.7	3768770	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4201	481379.2	3768770	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
4202	481388.7	3768770	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
4203	481398.2	3768771	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
4204	481407.8	3768771	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
4205	481417.3	3768771	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
4206	481426.8	3768771	1.78E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
4207	481436.3	3768771	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
4208	481445.8	3768771	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4209	481455.3	3768771	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4210	481464.9	3768771	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
4211	481474.4	3768772	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4212	481483.9	3768772	1.56E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4213	481493.4	3768772	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
4214	481502.9	3768772	1.51E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
4215	481512.5	3768772	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4216	481350.5	3768780	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4217	481360.1	3768780	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
4218	481369.6	3768780	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
4219	481379.1	3768780	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4220	481388.6	3768780	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4221	481398.1	3768780	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
4222	481407.6	3768781	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4223	481417.2	3768781	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
4224	481426.7	3768781	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
4225	481436.2	3768781	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
4226	481445.7	3768781	1.60E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4227	481455.2	3768781	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4228	481464.7	3768781	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
4229	481474.3	3768781	1.51E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
4230	481483.8	3768782	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4231	481493.3	3768782	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
4232	481502.8	3768782	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
4233	481512.3	3768782	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
4234	481350.4	3768790	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
4235	481359.9	3768790	1.94E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4236	481369.4	3768790	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4237	481379	3768790	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
4238	481388.5	3768790	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
4239	481398	3768790	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
4240	481407.5	3768790	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
4241	481417	3768791	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
4242	481426.5	3768791	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
4243	481436.1	3768791	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
4244	481445.6	3768791	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4245	481455.1	3768791	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
4246	481464.6	3768791	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
4247	481474.1	3768791	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
4248	481483.7	3768791	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
4249	481493.2	3768791	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
4250	481502.7	3768792	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
4251	481512.2	3768792	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
4252	481350.3	3768799	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4253	481359.8	3768800	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
4254	481369.3	3768800	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
4255	481378.8	3768800	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
4256	481388.4	3768800	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4257	481397.9	3768800	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
4258	481407.4	3768800	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
4259	481416.9	3768800	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
4260	481426.4	3768800	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
4261	481435.9	3768801	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00

4262	481445.5	3768801	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4263	481455	3768801	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
4264	481464.5	3768801	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
4265	481474	3768801	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
4266	481483.5	3768801	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
4267	481493	3768801	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
4268	481502.6	3768801	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4269	481512.1	3768802	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
4270	481350.2	3768809	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
4271	481359.7	3768809	1.70E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
4272	481369.2	3768810	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4273	481378.7	3768810	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4274	481388.2	3768810	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4275	481397.7	3768810	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
4276	481407.3	3768810	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
4277	481416.8	3768810	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
4278	481426.3	3768810	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
4279	481435.8	3768810	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
4280	481445.3	3768811	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
4281	481454.9	3768811	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
4282	481464.4	3768811	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
4283	481473.9	3768811	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4284	481483.4	3768811	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4285	481492.9	3768811	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
4286	481502.4	3768811	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
4287	481512	3768811	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
4288	481350	3768819	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4289	481359.6	3768819	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4290	481369.1	3768819	1.56E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
4291	481378.6	3768820	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4292	481388.1	3768820	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4293	481397.6	3768820	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
4294	481407.1	3768820	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
4295	481416.7	3768820	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
4296	481426.2	3768820	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
4297	481435.7	3768820	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
4298	481445.2	3768820	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
4299	481454.7	3768820	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4300	481464.2	3768821	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
4301	481473.8	3768821	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
4302	481483.3	3768821	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
4303	481492.8	3768821	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
4304	481502.3	3768821	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
4305	481511.8	3768821	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
4306	481349.9	3768829	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
4307	481359.4	3768829	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4308	481368.9	3768829	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4309	481378.5	3768829	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4310	481388	3768829	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
4311	481397.5	3768830	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
4312	481407	3768830	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
4313	481416.5	3768830	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
4314	481426	3768830	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4315	481435.6	3768830	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
4316	481445.1	3768830	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
4317	481454.6	3768830	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
4318	481464.1	3768830	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
4319	481473.6	3768831	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
4320	481483.2	3768831	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
4321	481492.7	3768831	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
4322	481502.2	3768831	1.12E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
4323	481511.7	3768831	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
4324	481349.5	3768859	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
4325	481359	3768859	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4326	481368.6	3768859	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
4327	481378.1	3768859	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
4328	481387.6	3768859	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
4329	481397.1	3768860	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
4330	481406.6	3768860	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
4331	481416.2	3768860	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
4332	481425.7	3768860	1.12E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
4333	481435.2	3768860	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
4334	481444.7	3768860	1.08E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
4335	481454.2	3768860	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
4336	481463.7	3768860	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
4337	481473.3	3768861	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
4338	481482.8	3768861	1.01E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
4339	481492.3	3768861	9.92E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
4340	481501.8	3768861	9.77E-04	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00
4341	481511.3	3768861	9.63E-04	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00
4342	481349.2	3768889	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
4343	481358.7	3768889	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
4344	481368.2	3768889	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
4345	481377.7	3768889	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
4346	481387.2	3768889	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
4347	481396.7	3768890	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
4348	481406.3	3768890	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
4349	481415.8	3768890	9.96E-04	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
4350	481425.3	3768890	9.78E-04	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00
4351	481434.8	3768890	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
4352	481444.3	3768890	9.46E-04	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00
4353	481453.8	3768890	9.31E-04	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00
4354	481463.4	3768890	9.16E-04	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00
4355	481472.9	3768891	9.03E-04	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00
4356	481482.4	3768891	8.90E-04	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00
4357	481491.9	3768891	8.77E-04	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00

4358	481501.4	3768891	8.65E-04	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00
4359	481510.9	3768891	8.53E-04	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00
4360	481348.8	3768919	9.98E-04	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
4361	481358.3	3768919	9.79E-04	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00
4362	481367.8	3768919	9.61E-04	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00
4363	481377.3	3768919	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00
4364	481386.8	3768919	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
4365	481396.4	3768920	9.11E-04	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00
4366	481405.9	3768920	8.96E-04	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00
4367	481415.4	3768920	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00
4368	481424.9	3768920	8.67E-04	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00
4369	481434.4	3768920	8.53E-04	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00
4370	481443.9	3768920	8.40E-04	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00
4371	481453.5	3768920	8.27E-04	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00
4372	481463	3768920	8.15E-04	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00
4373	481472.5	3768921	8.04E-04	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00
4374	481348.4	3768949	8.82E-04	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00
4375	481357.9	3768949	8.67E-04	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.79E-05	0.00E+00	0.00E+00
4376	481367.4	3768949	8.52E-04	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00
4377	481376.9	3768949	8.38E-04	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00
4378	481386.5	3768949	8.24E-04	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00
4379	481490.8	3768981	6.35E-04	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00
4380	481500.3	3768981	6.28E-04	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00
4381	481509.8	3768981	6.21E-04	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
4382	481519.3	3768981	6.14E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00
4383	481404.7	3769010	6.48E-04	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00
4384	481414.3	3769010	6.39E-04	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00
4385	481423.8	3769010	6.31E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00
4386	481433.3	3769010	6.23E-04	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
4387	481442.8	3769010	6.15E-04	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00
4388	481452.3	3769010	6.07E-04	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00
4389	481461.8	3769010	5.99E-04	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00
4390	481471.4	3769011	5.92E-04	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00
4391	481480.9	3769011	5.85E-04	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
4392	481490.4	3769011	5.78E-04	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00
4393	481499.9	3769011	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
4394	481509.4	3769011	5.66E-04	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00
4395	481518.9	3769011	5.59E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00
4396	481347.3	3769039	6.40E-04	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00
4397	481356.8	3769039	6.31E-04	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00
4398	481366.3	3769039	6.22E-04	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00
4399	481375.8	3769039	6.14E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00
4400	481385.3	3769039	6.06E-04	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00
4401	481394.8	3769040	5.98E-04	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00
4402	481404.4	3769040	5.90E-04	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
4403	481413.9	3769040	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00
4404	481423.4	3769040	5.75E-04	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00
4405	481432.9	3769040	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
4406	481442.4	3769040	5.61E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00
4407	481451.9	3769040	5.54E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00
4408	481461.5	3769040	5.47E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00
4409	481471	3769041	5.41E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
4410	481480.5	3769041	5.35E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00
4411	481490	3769041	5.29E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00
4412	481499.5	3769041	5.23E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00
4413	481509	3769041	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
4414	481518.6	3769041	5.12E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00
4415	481346.9	3769069	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
4416	481356.4	3769069	5.75E-04	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00
4417	481365.9	3769069	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
4418	481375.4	3769069	5.60E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
4419	481384.9	3769069	5.53E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
4420	481394.5	3769070	5.46E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00
4421	481404	3769070	5.39E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00
4422	481413.5	3769070	5.33E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00
4423	481423	3769070	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
4424	481432.5	3769070	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
4425	481442	3769070	5.14E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00
4426	481451.6	3769070	5.08E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00
4427	481461.1	3769070	5.02E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00
4428	481470.6	3769071	4.97E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00
4429	481480.1	3769071	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00
4430	481489.6	3769071	4.86E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00
4431	481499.1	3769071	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
4432	481508.7	3769071	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
4433	481518.2	3769071	4.71E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00
4434	481346.5	3769099	5.34E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00
4435	481356	3769099	5.27E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
4436	481365.5	3769099	5.20E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00
4437	481375	3769099	5.14E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00
4438	481384.6	3769099	5.08E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00
4439	481394.1	3769100	5.02E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00
4440	481403.6	3769100	4.96E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00
4441	481413.1	3769100	4.90E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00
4442	481422.6	3769100	4.84E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00
4443	481432.1	3769100	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
4444	481441.7	3769100	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
4445	481451.2	3769100	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
4446	481460.7	3769100	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00
4447	481470.2	3769101	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
4448	481479.7	3769101	4.53E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00
4449	481489.3	3769101	4.49E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
4450	481498.8	3769101	4.44E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
4451	481508.3	3769101	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
4452	481517.8	3769101	4.36E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00
4453	481346.1	3769129	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00

4454	481355.6	3769129	4.85E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00
4455	481365.1	3769129	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
4456	481374.7	3769129	4.73E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
4457	481384.2	3769129	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
4458	481393.7	3769130	4.62E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
4459	481403.2	3769130	4.57E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
4460	481412.7	3769130	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00
4461	481422.3	3769130	4.47E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
4462	481431.8	3769130	4.42E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
4463	481441.3	3769130	4.37E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
4464	481450.8	3769130	4.33E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00
4465	481460.3	3769130	4.28E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00
4466	481469.8	3769131	4.24E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00
4467	481479.4	3769131	4.20E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
4468	481488.9	3769131	4.16E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00
4469	481498.4	3769131	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
4470	481507.9	3769131	4.08E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
4471	481517.4	3769131	4.04E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00
4472	481550.8	3768565	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4473	481558	3768572	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
4474	481549.6	3768575	8.66E-03	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00
4475	481576.7	3768567	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00
4476	481565.1	3768579	7.70E-03	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00
4477	481548.8	3768585	7.41E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
4478	481586.9	3768567	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4479	481572.2	3768586	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
4480	481556.1	3768592	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
4481	481598.5	3768563	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4482	481594.7	3768572	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
4483	481590.9	3768581	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
4484	481578.1	3768593	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
4485	481569	3768597	5.93E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
4486	481560	3768600	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
4487	481551	3768604	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
4488	481608.7	3768562	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
4489	481605	3768570	7.37E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4490	481601.3	3768579	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4491	481597.6	3768588	6.09E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
4492	481585.2	3768600	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
4493	481576.4	3768603	5.33E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00
4494	481567.7	3768607	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
4495	481558.9	3768611	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
4496	481550.1	3768614	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
4497	481618.9	3768561	7.78E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
4498	481615.3	3768569	7.14E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4499	481611.7	3768578	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
4500	481608.1	3768586	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
4501	481604.4	3768595	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4502	481592.3	3768607	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
4503	481583.7	3768610	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
4504	481575.1	3768614	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
4505	481566.6	3768617	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
4506	481558	3768621	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
4507	481549.4	3768624	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
4508	481629	3768560	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4509	481621.9	3768577	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00
4510	481614.8	3768594	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
4511	481611.3	3768602	4.93E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
4512	481599.3	3768614	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
4513	481590.9	3768617	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
4514	481582.5	3768621	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
4515	481574.1	3768624	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
4516	481565.7	3768627	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
4517	481557.2	3768631	4.05E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
4518	481548.8	3768634	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
4519	481643.6	3768467	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
4520	481643.7	3768457	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4521	481643.7	3768447	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4522	481643.8	3768437	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4523	481643.9	3768427	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
4524	481644	3768417	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4525	481644	3768407	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4526	481644.1	3768397	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
4527	481644.2	3768387	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
4528	481637.6	3768563	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
4529	481633.8	3768572	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
4530	481630	3768581	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00
4531	481626.1	3768590	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
4532	481622.3	3768599	4.93E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
4533	481618.5	3768609	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
4534	481605.5	3768621	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
4535	481596.4	3768625	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
4536	481587.3	3768629	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4537	481578.2	3768632	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
4538	481559.9	3768639	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
4539	481550.8	3768643	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
4540	481653.4	3768467	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4541	481653.5	3768457	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4542	481653.6	3768447	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4543	481653.6	3768437	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
4544	481653.7	3768427	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4545	481653.8	3768417	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4546	481653.9	3768407	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4547	481653.9	3768397	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4548	481654	3768387	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
4549	481644	3768571	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00

4550	481640.3	3768580	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4551	481636.5	3768589	5.30E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
4552	481632.8	3768598	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4553	481629	3768607	4.48E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
4554	481625.3	3768616	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
4555	481612.6	3768628	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
4556	481603.7	3768632	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
4557	481594.7	3768635	3.59E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
4558	481585.8	3768639	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
4559	481576.9	3768642	3.45E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
4560	481568	3768646	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
4561	481559	3768650	3.33E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
4562	481550.1	3768653	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
4563	481663.3	3768467	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4564	481663.3	3768457	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4565	481663.4	3768447	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4566	481663.5	3768437	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4567	481663.6	3768427	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4568	481663.6	3768417	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4569	481663.7	3768407	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4570	481663.8	3768397	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4571	481663.8	3768388	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4572	481654.2	3768571	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
4573	481650.5	3768579	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00
4574	481646.8	3768588	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
4575	481643.1	3768597	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
4576	481639.5	3768606	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
4577	481635.8	3768614	4.09E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
4578	481632.1	3768623	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
4579	481619.6	3768635	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
4580	481610.9	3768639	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
4581	481602.1	3768642	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
4582	481593.3	3768646	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
4583	481584.6	3768649	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
4584	481575.8	3768653	3.14E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
4585	481567	3768656	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
4586	481558.3	3768660	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
4587	481549.5	3768663	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4588	481673.1	3768467	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4589	481673.2	3768457	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4590	481673.2	3768447	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4591	481673.3	3768437	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
4592	481673.4	3768428	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4593	481673.5	3768418	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4594	481673.5	3768408	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4595	481673.6	3768398	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4596	481673.7	3768388	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
4597	481664.3	3768570	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
4598	481660.7	3768579	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4599	481657.1	3768587	5.08E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
4600	481653.4	3768596	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
4601	481649.8	3768604	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
4602	481646.2	3768613	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
4603	481642.5	3768622	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
4604	481638.9	3768630	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
4605	481626.6	3768642	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4606	481618	3768646	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
4607	481609.4	3768649	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4608	481600.8	3768652	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
4609	481592.1	3768656	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
4610	481583.5	3768659	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
4611	481574.9	3768663	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
4612	481566.2	3768666	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
4613	481557.6	3768670	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
4614	481549	3768673	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4615	481683.4	3768408	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4616	481683.5	3768398	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
4617	481683.5	3768388	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4618	481673	3768573	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
4619	481669.2	3768582	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
4620	481665.3	3768591	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
4621	481661.5	3768600	4.42E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
4622	481657.6	3768609	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
4623	481653.7	3768618	3.77E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
4624	481649.9	3768627	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
4625	481646	3768637	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
4626	481633	3768649	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4627	481623.8	3768653	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4628	481614.7	3768657	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
4629	481605.5	3768660	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
4630	481596.3	3768664	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4631	481587.2	3768668	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4632	481578	3768671	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
4633	481568.8	3768675	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4634	481559.6	3768679	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4635	481550.5	3768682	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
4636	481693.2	3768408	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4637	481693.3	3768398	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4638	481693.4	3768388	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4639	481679.4	3768581	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
4640	481675.6	3768590	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
4641	481671.8	3768599	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
4642	481668	3768608	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
4643	481664.2	3768617	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
4644	481660.4	3768626	3.47E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
4645	481656.6	3768635	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00

4646	481652.8	3768644	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
4647	481640	3768656	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4648	481631	3768660	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4649	481622	3768664	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
4650	481613	3768667	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4651	481604	3768671	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
4652	481595	3768674	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4653	481585.9	3768678	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
4654	481576.9	3768682	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4655	481567.9	3768685	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4656	481558.9	3768689	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4657	481549.9	3768692	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4658	481703.1	3768408	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4659	481703.1	3768398	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4660	481703.2	3768388	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
4661	481689.6	3768580	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4662	481685.8	3768589	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
4663	481682.1	3768598	4.25E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
4664	481678.4	3768607	3.97E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00
4665	481674.6	3768616	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
4666	481670.9	3768624	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
4667	481667.2	3768633	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4668	481663.4	3768642	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4669	481659.7	3768651	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
4670	481647.1	3768663	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4671	481638.2	3768667	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4672	481629.3	3768670	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
4673	481620.4	3768674	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4674	481611.5	3768678	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4675	481602.7	3768681	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4676	481593.8	3768685	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4677	481584.9	3768688	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4678	481576	3768692	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
4679	481567.1	3768695	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4680	481558.2	3768699	2.20E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
4681	481549.4	3768702	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
4682	481712.9	3768408	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4683	481713	3768398	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4684	481713	3768388	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4685	481696	3768588	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
4686	481692.3	3768597	4.17E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
4687	481688.7	3768606	3.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
4688	481685	3768615	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
4689	481681.3	3768623	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
4690	481677.6	3768632	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4691	481673.9	3768641	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
4692	481670.2	3768649	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4693	481666.5	3768658	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4694	481654.1	3768670	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4695	481645.3	3768674	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4696	481636.5	3768677	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4697	481627.8	3768681	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4698	481619	3768684	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
4699	481610.2	3768688	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
4700	481601.5	3768691	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
4701	481592.7	3768695	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4702	481583.9	3768698	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
4703	481575.2	3768702	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
4704	481566.4	3768705	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
4705	481557.7	3768709	2.05E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4706	481548.9	3768712	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4707	481722.7	3768408	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4708	481722.8	3768398	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4709	481722.9	3768388	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4710	481704.6	3768592	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
4711	481700.7	3768601	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
4712	481693	3768619	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
4713	481689.1	3768628	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4714	481685.2	3768637	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4715	481681.3	3768646	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
4716	481677.5	3768656	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4717	481673.6	3768665	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4718	481660.5	3768677	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
4719	481651.3	3768681	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
4720	481642.1	3768685	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
4721	481632.9	3768689	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4722	481623.7	3768692	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
4723	481614.5	3768696	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
4724	481605.3	3768700	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4725	481596.1	3768703	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4726	481586.9	3768707	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
4727	481577.7	3768711	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
4728	481559.3	3768718	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
4729	481550.1	3768722	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
4730	481732.6	3768408	9.77E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
4731	481732.6	3768398	9.77E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
4732	481732.7	3768388	9.71E-03	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
4733	481714.8	3768591	4.14E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00
4734	481711	3768600	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00
4735	481707.2	3768609	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
4736	481703.3	3768618	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
4737	481699.5	3768627	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4738	481695.7	3768636	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
4739	481691.9	3768645	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4740	481688.1	3768654	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4741	481684.2	3768663	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00

4742	481680.4	3768672	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4743	481667.5	3768684	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
4744	481658.5	3768688	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4745	481649.4	3768692	2.05E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4746	481640.3	3768695	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4747	481631.2	3768699	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
4748	481622.2	3768703	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
4749	481613.1	3768706	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4750	481604	3768710	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4751	481594.9	3768714	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4752	481585.9	3768717	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
4753	481576.8	3768721	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
4754	481567.7	3768724	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
4755	481558.6	3768728	1.79E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4756	481549.6	3768732	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4757	481741.9	3768478	7.85E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
4758	481742	3768468	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
4759	481742	3768458	8.47E-03	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00
4760	481742.1	3768448	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00
4761	481742.2	3768438	8.93E-03	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
4762	481742.3	3768428	9.09E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
4763	481742.3	3768418	9.21E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
4764	481742.4	3768408	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
4765	481742.5	3768398	9.28E-03	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00
4766	481742.6	3768388	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
4767	481721.2	3768599	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
4768	481717.4	3768608	3.57E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
4769	481713.7	3768617	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
4770	481709.9	3768626	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
4771	481706.1	3768634	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
4772	481702.3	3768643	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
4773	481698.6	3768652	2.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
4774	481694.8	3768661	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4775	481691	3768670	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4776	481687.3	3768679	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4777	481674.5	3768691	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
4778	481665.6	3768695	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
4779	481656.6	3768699	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4780	481647.7	3768702	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4781	481638.7	3768706	1.87E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4782	481629.7	3768709	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
4783	481620.8	3768713	1.82E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
4784	481611.8	3768717	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
4785	481602.9	3768720	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4786	481593.9	3768724	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
4787	481584.9	3768727	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
4788	481576	3768731	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
4789	481567	3768735	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
4790	481751.7	3768478	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4791	481751.8	3768468	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
4792	481751.9	3768458	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
4793	481752	3768448	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
4794	481752	3768438	8.50E-03	0.00E+00	0.00E+00	8.41E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00
4795	481752.1	3768428	8.65E-03	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00
4796	481752.2	3768418	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
4797	481752.2	3768408	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
4798	481752.3	3768398	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
4799	481752.4	3768388	8.79E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
4800	481750	3768554	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4801	481746.3	3768563	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
4802	481731.4	3768598	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
4803	481727.7	3768607	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
4804	481723.9	3768616	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
4805	481720.2	3768625	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
4806	481716.5	3768633	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
4807	481712.7	3768642	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
4808	481709	3768651	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4809	481705.3	3768660	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
4810	481701.6	3768668	2.27E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4811	481697.8	3768677	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4812	481694.1	3768686	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4813	481681.5	3768698	1.87E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4814	481672.7	3768702	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
4815	481663.8	3768705	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
4816	481654.9	3768709	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4817	481646.1	3768713	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4818	481637.2	3768716	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
4819	481628.4	3768720	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
4820	481619.5	3768723	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
4821	481610.7	3768727	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
4822	481601.8	3768730	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
4823	481592.9	3768734	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
4824	481584.1	3768737	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
4825	481761.6	3768478	7.13E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4826	481761.6	3768468	7.42E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
4827	481761.7	3768458	7.68E-03	0.00E+00	0.00E+00	7.60E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00
4828	481761.8	3768448	7.90E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00
4829	481761.9	3768438	8.09E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
4830	481761.9	3768428	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00
4831	481762	3768418	8.35E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00
4832	481762.1	3768408	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
4833	481762.2	3768398	8.42E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
4834	481762.2	3768388	8.39E-03	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00
4835	481755.5	3768565	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
4836	481740	3768601	3.56E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00
4837	481736.1	3768610	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00

4838	481732.2	3768620	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
4839	481728.3	3768629	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4840	481724.4	3768638	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4841	481720.6	3768647	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4842	481716.7	3768656	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4843	481712.8	3768665	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4844	481708.9	3768674	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4845	481705	3768684	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4846	481701.1	3768693	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4847	481688	3768706	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4848	481678.8	3768709	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
4849	481669.6	3768713	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
4850	481660.4	3768717	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4851	481651.1	3768720	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
4852	481641.9	3768724	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4853	481632.7	3768728	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
4854	481623.5	3768731	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
4855	481614.2	3768735	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4856	481568.1	3768754	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
4857	481558.9	3768757	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
4858	481549.6	3768761	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
4859	481771.3	3768488	6.53E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00
4860	481771.4	3768478	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
4861	481771.5	3768468	7.08E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00
4862	481771.6	3768458	7.32E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
4863	481771.6	3768448	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
4864	481771.7	3768438	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
4865	481771.8	3768428	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00
4866	481771.9	3768418	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4867	481771.9	3768408	8.03E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00
4868	481772	3768398	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
4869	481772.1	3768388	8.02E-03	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00
4870	481765.5	3768564	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
4871	481746.4	3768609	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
4872	481742.5	3768618	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
4873	481738.7	3768628	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
4874	481734.8	3768637	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4875	481731	3768646	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
4876	481727.2	3768655	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4877	481723.3	3768664	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4878	481719.5	3768673	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4879	481715.7	3768682	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4880	481711.8	3768691	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4881	481708	3768700	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4882	481695	3768713	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
4883	481685.9	3768716	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4884	481676.8	3768720	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
4885	481667.7	3768724	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4886	481658.6	3768727	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
4887	481649.5	3768731	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4888	481640.3	3768734	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
4889	481594.8	3768753	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
4890	481585.7	3768756	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
4891	481576.5	3768760	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4892	481567.4	3768764	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
4893	481558.3	3768767	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
4894	481549.2	3768771	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
4895	481781.2	3768488	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
4896	481781.3	3768478	6.52E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00
4897	481781.3	3768468	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
4898	481781.4	3768458	7.00E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
4899	481781.5	3768448	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
4900	481781.5	3768438	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4901	481781.6	3768428	7.50E-03	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
4902	481781.7	3768418	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
4903	481781.8	3768408	7.68E-03	0.00E+00	0.00E+00	7.60E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00
4904	481781.8	3768398	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00
4905	481781.9	3768388	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
4906	481775.5	3768564	4.08E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
4907	481771.7	3768573	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
4908	481756.6	3768609	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
4909	481752.8	3768618	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
4910	481749	3768627	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
4911	481745.2	3768635	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4912	481741.4	3768644	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4913	481737.6	3768653	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4914	481733.8	3768662	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4915	481730	3768671	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4916	481726.2	3768680	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4917	481722.4	3768689	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4918	481718.6	3768698	1.69E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4919	481714.8	3768707	1.60E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4920	481702	3768720	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4921	481693	3768723	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
4922	481684	3768727	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
4923	481675	3768730	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
4924	481666	3768734	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4925	481611.9	3768756	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
4926	481602.9	3768759	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
4927	481593.8	3768763	1.39E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
4928	481584.8	3768767	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
4929	481575.8	3768770	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
4930	481566.8	3768774	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
4931	481557.8	3768777	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
4932	481548.8	3768781	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
4933	481791	3768488	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00

4934	481791.1	3768478	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
4935	481791.2	3768468	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
4936	481791.2	3768458	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
4937	481791.3	3768448	6.89E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
4938	481791.4	3768438	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
4939	481791.5	3768428	7.18E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
4940	481791.5	3768418	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
4941	481791.6	3768408	7.34E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
4942	481791.7	3768398	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4943	481791.7	3768388	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
4944	481781.8	3768572	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
4945	481766.8	3768608	3.03E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
4946	481763	3768617	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
4947	481759.2	3768626	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4948	481755.5	3768634	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
4949	481751.7	3768643	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4950	481748	3768652	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4951	481744.2	3768661	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
4952	481740.5	3768670	2.00E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
4953	481736.7	3768679	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
4954	481732.9	3768688	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
4955	481729.2	3768696	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
4956	481725.4	3768705	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4957	481721.7	3768714	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4958	481709	3768727	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4959	481700.1	3768730	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
4960	481691.2	3768734	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4961	481637.6	3768755	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
4962	481628.7	3768759	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
4963	481619.8	3768762	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
4964	481610.8	3768766	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
4965	481601.9	3768769	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
4966	481593	3768773	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
4967	481584.1	3768777	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
4968	481575.1	3768780	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4969	481566.2	3768784	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
4970	481557.3	3768787	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4971	481548.4	3768791	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4972	481800.8	3768498	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
4973	481800.9	3768488	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4974	481800.9	3768478	6.00E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
4975	481801	3768468	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
4976	481801.1	3768458	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
4977	481801.1	3768448	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
4978	481801.2	3768438	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4979	481801.3	3768428	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
4980	481801.4	3768418	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
4981	481801.4	3768408	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
4982	481801.5	3768399	7.06E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
4983	481801.6	3768389	7.05E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
4984	481790.9	3768574	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
4985	481775.4	3768611	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4986	481771.5	3768620	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
4987	481767.6	3768629	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4988	481763.7	3768638	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
4989	481759.8	3768647	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4990	481755.9	3768657	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
4991	481752	3768666	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4992	481748.2	3768675	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
4993	481744.3	3768684	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4994	481740.4	3768693	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4995	481736.5	3768702	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4996	481732.6	3768712	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4997	481728.7	3768721	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
4998	481715.6	3768734	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
4999	481660.1	3768756	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5000	481650.9	3768760	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5001	481632.4	3768767	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
5002	481623.1	3768771	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5003	481613.9	3768774	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
5004	481604.7	3768778	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
5005	481595.4	3768782	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5006	481586.2	3768786	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5007	481576.9	3768789	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
5008	481567.7	3768793	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5009	481558.4	3768797	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5010	481549.2	3768800	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5011	481810.6	3768498	5.29E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
5012	481810.7	3768488	5.53E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
5013	481810.8	3768478	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
5014	481810.8	3768468	5.97E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
5015	481810.9	3768458	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
5016	481811	3768448	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
5017	481811.1	3768438	6.47E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
5018	481811.1	3768429	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
5019	481811.2	3768419	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
5020	481811.3	3768409	6.74E-03	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00
5021	481811.4	3768399	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
5022	481811.4	3768389	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
5023	481801	3768574	3.53E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
5024	481797.1	3768583	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
5025	481781.7	3768619	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5026	481777.9	3768628	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5027	481774	3768637	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5028	481770.2	3768646	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
5029	481766.3	3768655	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00

5030	481762.5	3768664	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
5031	481758.6	3768674	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
5032	481754.8	3768683	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5033	481750.9	3768692	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5034	481747.1	3768701	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5035	481743.2	3768710	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5036	481739.4	3768719	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
5037	481735.5	3768728	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5038	481686	3768755	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
5039	481676.8	3768759	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
5040	481667.7	3768763	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5041	481658.5	3768766	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
5042	481649.4	3768770	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5043	481640.2	3768774	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5044	481631.1	3768777	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
5045	481621.9	3768781	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5046	481612.8	3768785	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5047	481603.7	3768788	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5048	481594.5	3768792	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
5049	481585.4	3768796	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
5050	481576.2	3768799	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
5051	481567.1	3768803	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5052	481557.9	3768807	1.16E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5053	481548.8	3768810	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5054	481820.3	3768518	4.63E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
5055	481820.4	3768508	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5056	481820.5	3768498	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
5057	481820.5	3768488	5.32E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00
5058	481820.6	3768478	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
5059	481820.7	3768469	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
5060	481820.8	3768459	5.92E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
5061	481820.8	3768449	6.08E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
5062	481820.9	3768439	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5063	481821	3768429	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
5064	481821	3768419	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
5065	481821.1	3768409	6.47E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
5066	481821.2	3768399	6.50E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5067	481821.3	3768389	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5068	481826.3	3768537	4.10E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
5069	481822.5	3768546	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00
5070	481818.6	3768555	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
5071	481807.2	3768582	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
5072	481792	3768618	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5073	481788.1	3768627	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5074	481784.3	3768636	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
5075	481780.5	3768645	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5076	481776.7	3768654	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
5077	481772.9	3768663	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
5078	481769.1	3768672	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
5079	481765.3	3768681	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
5080	481761.5	3768690	1.68E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5081	481757.6	3768699	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5082	481753.8	3768708	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5083	481750	3768717	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5084	481746.2	3768726	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5085	481742.4	3768735	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
5086	481711.4	3768755	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5087	481702.4	3768759	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
5088	481693.3	3768762	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5089	481684.2	3768766	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5090	481675.2	3768769	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5091	481666.1	3768773	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5092	481657.1	3768777	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5093	481648	3768780	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
5094	481639	3768784	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
5095	481629.9	3768788	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
5096	481620.8	3768791	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5097	481611.8	3768795	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5098	481602.7	3768798	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
5099	481593.7	3768802	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
5100	481584.6	3768806	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
5101	481575.6	3768809	1.12E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
5102	481566.5	3768813	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
5103	481557.4	3768817	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5104	481548.4	3768820	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
5105	481830.1	3768528	4.25E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
5106	481830.2	3768518	4.47E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
5107	481830.2	3768508	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
5108	481830.3	3768499	4.92E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00
5109	481830.4	3768489	5.13E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00
5110	481830.4	3768479	5.33E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00
5111	481830.5	3768469	5.51E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
5112	481830.6	3768459	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00
5113	481830.7	3768449	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
5114	481830.7	3768439	5.97E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
5115	481830.8	3768429	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
5116	481830.9	3768419	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
5117	481831	3768409	6.22E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5118	481831	3768399	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
5119	481831.1	3768389	6.26E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
5120	481831.2	3768379	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
5121	481856.2	3768538	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
5122	481852.3	3768547	3.57E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00
5123	481848.5	3768556	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5124	481844.6	3768565	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
5125	481840.8	3768574	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00

5126	481836.9	3768583	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5127	481817.6	3768629	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5128	481813.7	3768638	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5129	481809.8	3768647	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5130	481806	3768656	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
5131	481802.1	3768665	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
5132	481798.2	3768674	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
5133	481794.4	3768683	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
5134	481790.5	3768693	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
5135	481786.6	3768702	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
5136	481782.8	3768711	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5137	481778.9	3768720	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
5138	481775	3768729	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
5139	481763.4	3768756	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
5140	481750.4	3768769	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
5141	481741.2	3768773	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5142	481732	3768776	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5143	481722.9	3768780	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5144	481713.7	3768784	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5145	481704.5	3768788	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
5146	481695.3	3768791	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5147	481686.1	3768795	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5148	481676.9	3768799	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5149	481667.8	3768802	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
5150	481658.6	3768806	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
5151	481649.4	3768810	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5152	481640.2	3768813	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5153	481631	3768817	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5154	481621.8	3768821	1.01E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
5155	481612.7	3768824	9.99E-04	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5156	481603.5	3768828	9.93E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5157	481594.3	3768832	9.86E-04	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
5158	481585.1	3768835	9.80E-04	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00
5159	481575.9	3768839	9.74E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00
5160	481566.8	3768843	9.69E-04	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00
5161	481557.6	3768846	9.65E-04	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00
5162	481548.4	3768850	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
5163	481860.1	3768529	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00
5164	481860.1	3768519	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
5165	481860.2	3768509	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
5166	481860.3	3768499	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
5167	481860.4	3768489	4.59E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
5168	481860.4	3768479	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
5169	481860.5	3768469	4.92E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
5170	481860.6	3768459	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5171	481860.7	3768449	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00
5172	481860.7	3768439	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
5173	481886.3	3768538	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
5174	481882.5	3768547	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
5175	481878.7	3768556	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
5176	481875	3768564	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
5177	481871.2	3768573	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5178	481867.4	3768582	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5179	481863.6	3768591	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5180	481844.8	3768636	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5181	481841	3768645	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
5182	481837.2	3768653	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
5183	481833.4	3768662	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
5184	481829.7	3768671	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5185	481825.9	3768680	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
5186	481822.1	3768689	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
5187	481818.3	3768698	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
5188	481814.6	3768707	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
5189	481810.8	3768716	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5190	481807	3768725	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5191	481803.2	3768733	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5192	481791.9	3768760	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5193	481788.1	3768769	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
5194	481784.4	3768778	9.97E-04	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5195	481771.6	3768790	9.56E-04	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00
5196	481762.6	3768794	9.52E-04	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00
5197	481753.7	3768798	9.47E-04	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00
5198	481744.7	3768801	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00
5199	481735.7	3768805	9.33E-04	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00
5200	481726.8	3768808	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
5201	481717.8	3768812	9.21E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
5202	481708.8	3768816	9.15E-04	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00
5203	481699.9	3768819	9.09E-04	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00
5204	481690.9	3768823	9.02E-04	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00
5205	481681.9	3768826	8.97E-04	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00
5206	481672.9	3768830	9.19E-04	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00
5207	481664	3768834	9.12E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00
5208	481655	3768837	9.06E-04	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00
5209	481646	3768841	8.99E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00
5210	481637.1	3768844	8.93E-04	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00
5211	481628.1	3768848	8.87E-04	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00
5212	481619.1	3768852	8.82E-04	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00
5213	481610.2	3768855	8.77E-04	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00
5214	481601.2	3768859	8.73E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00
5215	481592.2	3768862	8.68E-04	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00
5216	481583.3	3768866	8.63E-04	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00
5217	481574.3	3768870	8.59E-04	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00
5218	481565.3	3768873	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00
5219	481556.3	3768877	8.52E-04	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00
5220	481547.4	3768880	8.50E-04	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00
5221	481890.1	3768529	3.50E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00

5222	481890.1	3768519	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
5223	481890.2	3768509	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00
5224	481890.3	3768499	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
5225	481890.4	3768489	4.15E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
5226	481890.4	3768479	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
5227	481890.5	3768469	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
5228	481890.6	3768459	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
5229	481890.7	3768449	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
5230	481890.7	3768439	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
5231	481890.8	3768429	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
5232	481916.3	3768538	3.12E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
5233	481912.4	3768547	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5234	481908.6	3768556	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5235	481904.8	3768565	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5236	481901	3768574	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
5237	481897.1	3768583	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5238	481893.3	3768592	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5239	481889.5	3768601	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5240	481870.4	3768646	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5241	481866.6	3768655	1.81E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
5242	481862.7	3768664	1.72E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
5243	481858.9	3768673	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5244	481855.1	3768682	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
5245	481851.3	3768691	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
5246	481847.5	3768700	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
5247	481843.6	3768709	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5248	481839.8	3768718	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5249	481836	3768727	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5250	481824.5	3768754	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5251	481820.7	3768763	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5252	481816.9	3768772	9.89E-04	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
5253	481813.1	3768781	9.50E-04	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00
5254	481809.2	3768790	9.14E-04	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00
5255	481805.4	3768799	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00
5256	481792.5	3768812	8.49E-04	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00
5257	481783.4	3768816	8.45E-04	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00
5258	481920.1	3768529	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5259	481920.1	3768519	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
5260	481920.2	3768509	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
5261	481920.3	3768499	3.63E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
5262	481920.4	3768489	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
5263	481920.4	3768479	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
5264	481920.5	3768469	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
5265	481920.6	3768459	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
5266	481920.7	3768449	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
5267	481920.7	3768439	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
5268	481920.8	3768429	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
5269	481920.9	3768419	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00
5270	481921	3768409	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5271	481921	3768399	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5272	481921.1	3768389	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5273	481921.2	3768379	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
5274	481921.2	3768369	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5275	481921.3	3768359	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5276	481921.4	3768349	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
5277	481946.2	3768538	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5278	481930.8	3768575	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
5279	481926.9	3768584	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5280	481923	3768593	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5281	481919.2	3768602	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5282	481915.3	3768611	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5283	481896	3768657	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5284	481892.1	3768666	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5285	481888.3	3768675	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
5286	481884.4	3768684	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5287	481880.5	3768693	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
5288	481876.7	3768702	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5289	481872.8	3768711	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5290	481868.9	3768720	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5291	481865.1	3768730	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5292	481853.5	3768757	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5293	481849.6	3768766	9.80E-04	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00
5294	481845.8	3768775	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00
5295	481841.9	3768784	9.08E-04	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00
5296	481838	3768793	8.76E-04	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00
5297	481950.1	3768529	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
5298	481950.1	3768519	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5299	481950.2	3768509	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
5300	481950.3	3768499	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
5301	481950.4	3768489	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
5302	481950.4	3768479	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00
5303	481950.5	3768469	3.65E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00
5304	481950.6	3768459	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
5305	481950.7	3768449	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00
5306	481950.7	3768440	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
5307	481950.8	3768430	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
5308	481950.9	3768420	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
5309	481951	3768410	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
5310	481951	3768400	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
5311	481951.1	3768390	4.14E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00
5312	481951.2	3768380	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
5313	481951.2	3768370	4.15E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
5314	481951.3	3768360	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
5315	481951.4	3768350	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
5316	481976.3	3768538	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
5317	481972.5	3768547	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00

5318	481968.7	3768556	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5319	481964.9	3768565	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5320	481961.1	3768574	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5321	481957.3	3768583	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5322	481953.5	3768592	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5323	481949.7	3768601	2.11E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5324	481946	3768610	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5325	481919.4	3768672	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5326	481915.6	3768681	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
5327	481911.8	3768690	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5328	481908	3768699	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5329	481904.2	3768708	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5330	481900.5	3768717	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5331	481896.7	3768726	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5332	481892.9	3768735	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5333	481881.5	3768762	9.70E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
5334	481877.7	3768771	9.33E-04	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00
5335	481873.9	3768780	8.99E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00
5336	481834.6	3768855	6.89E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00
5337	481825.6	3768858	6.85E-04	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00
5338	481816.6	3768862	6.82E-04	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00
5339	481807.6	3768866	6.78E-04	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
5340	481798.5	3768869	6.75E-04	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00
5341	481789.5	3768873	6.72E-04	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00
5342	481780.5	3768876	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
5343	481771.5	3768880	6.65E-04	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00
5344	481762.5	3768884	6.63E-04	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
5345	481753.5	3768887	6.60E-04	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00
5346	481744.5	3768891	6.58E-04	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
5347	481735.5	3768894	6.55E-04	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00
5348	481708.5	3768905	6.45E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
5349	481699.5	3768909	6.43E-04	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00
5350	481690.5	3768913	6.40E-04	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00
5351	481681.5	3768916	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
5352	481672.4	3768920	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
5353	481663.4	3768923	6.47E-04	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00
5354	481654.4	3768927	6.44E-04	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00
5355	481645.4	3768931	6.40E-04	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00
5356	481636.4	3768934	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
5357	481627.4	3768938	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
5358	481618.4	3768941	6.32E-04	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
5359	481609.4	3768945	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
5360	481600.4	3768949	6.27E-04	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00
5361	481591.4	3768952	6.25E-04	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
5362	481582.4	3768956	6.23E-04	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
5363	481573.4	3768959	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
5364	481564.4	3768963	6.20E-04	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00
5365	481555.4	3768967	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
5366	481546.3	3768970	6.17E-04	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00
5367	481980.1	3768530	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
5368	481980.1	3768520	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5369	481980.2	3768510	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5370	481980.3	3768500	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
5371	481980.4	3768490	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5372	481980.4	3768480	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
5373	481980.5	3768470	3.35E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
5374	481980.6	3768460	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5375	481980.7	3768450	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
5376	481980.7	3768440	3.58E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00
5377	481980.8	3768430	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
5378	481980.9	3768420	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
5379	481981	3768410	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
5380	481981	3768400	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
5381	481981.1	3768390	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
5382	481981.2	3768380	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
5383	481981.2	3768370	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
5384	481981.3	3768360	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
5385	481981.4	3768350	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
5386	482006.2	3768539	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
5387	482002.4	3768548	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5388	481998.6	3768557	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
5389	481994.8	3768566	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
5390	481990.9	3768575	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
5391	481987.1	3768584	2.11E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5392	481983.3	3768593	2.04E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
5393	481979.4	3768602	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
5394	481975.6	3768611	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5395	481971.8	3768620	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
5396	481968	3768629	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
5397	481964.1	3768638	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
5398	481960.3	3768647	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
5399	481956.5	3768656	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
5400	481948.8	3768674	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
5401	481945	3768683	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5402	481925.8	3768728	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5403	481914.4	3768755	9.74E-04	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00
5404	481910.5	3768764	9.33E-04	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00
5405	481906.7	3768773	8.96E-04	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00
5406	481876.1	3768846	6.82E-04	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00
5407	481872.2	3768855	6.63E-04	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
5408	481868.4	3768864	6.44E-04	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00
5409	481855.5	3768876	6.26E-04	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00
5410	481846.4	3768880	6.24E-04	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00
5411	481837.3	3768884	6.22E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00
5412	481828.2	3768887	6.19E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
5413	481819.1	3768891	6.15E-04	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00

5414	481810	3768894	6.12E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
5415	481800.9	3768898	6.09E-04	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.18E-05	0.00E+00	0.00E+00
5416	481791.8	3768902	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
5417	481782.7	3768905	6.03E-04	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00
5418	481773.6	3768909	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00
5419	481764.5	3768913	5.99E-04	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00
5420	481755.4	3768916	5.97E-04	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00
5421	481746.3	3768920	5.95E-04	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00
5422	481737.2	3768924	5.92E-04	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00
5423	481728.1	3768927	5.89E-04	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
5424	481719.1	3768931	5.86E-04	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00
5425	481710	3768935	5.84E-04	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
5426	481700.9	3768938	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
5427	481691.8	3768942	5.80E-04	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00
5428	481682.7	3768946	5.77E-04	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00
5429	481673.6	3768949	5.75E-04	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00
5430	481664.5	3768953	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
5431	481655.4	3768956	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
5432	481646.3	3768960	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
5433	481637.2	3768964	5.78E-04	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00
5434	481628.1	3768967	5.76E-04	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00
5435	481619	3768971	5.74E-04	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
5436	481609.9	3768975	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
5437	481600.8	3768978	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
5438	481591.7	3768982	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
5439	481582.6	3768986	5.67E-04	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00
5440	481573.5	3768989	5.65E-04	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00
5441	481564.4	3768993	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
5442	481555.3	3768997	5.63E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00
5443	481546.2	3769000	5.62E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
5444	482010.1	3768530	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5445	482010.1	3768520	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5446	482010.2	3768510	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5447	482010.3	3768500	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
5448	482010.4	3768490	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5449	482010.4	3768480	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5450	482010.5	3768470	3.08E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5451	482010.6	3768460	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5452	482010.7	3768450	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5453	482010.7	3768440	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
5454	482010.8	3768430	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
5455	482010.9	3768420	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
5456	482011	3768410	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5457	482011	3768400	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
5458	482011.1	3768390	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
5459	482011.2	3768380	3.49E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
5460	482011.2	3768370	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
5461	482011.3	3768360	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
5462	482011.4	3768350	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
5463	482036.2	3768539	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
5464	482032.3	3768548	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5465	482028.5	3768557	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
5466	482024.6	3768566	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5467	482020.8	3768575	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5468	482016.9	3768585	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
5469	482013	3768594	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5470	482009.2	3768603	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
5471	482005.3	3768612	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
5472	482001.4	3768621	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5473	481997.6	3768630	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
5474	481993.7	3768639	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5475	481989.9	3768648	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
5476	481986	3768657	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5477	481978.3	3768676	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5478	481974.4	3768685	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5479	481970.6	3768694	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
5480	481966.7	3768703	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5481	481962.8	3768712	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5482	481959	3768721	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5483	481955.1	3768730	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5484	481951.2	3768739	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5485	481947.4	3768748	9.73E-04	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00
5486	481912.6	3768830	6.97E-04	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00
5487	481908.8	3768839	6.77E-04	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00
5488	481904.9	3768848	6.58E-04	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
5489	481901	3768858	6.40E-04	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00
5490	481897.2	3768867	6.21E-04	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
5491	481893.3	3768876	6.03E-04	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00
5492	481889.4	3768885	5.86E-04	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00
5493	481876.4	3768898	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
5494	481867.2	3768901	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
5495	481858.1	3768905	5.67E-04	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00
5496	481848.9	3768909	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
5497	481839.7	3768912	5.62E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
5498	481830.5	3768916	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
5499	481821.4	3768920	5.58E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00
5500	481812.2	3768923	5.57E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00
5501	481803	3768927	5.54E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00
5502	481793.8	3768931	5.52E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00
5503	481784.7	3768934	5.49E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00
5504	481775.5	3768938	5.47E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00
5505	481766.3	3768942	5.45E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00
5506	481757.1	3768946	5.43E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00
5507	481748	3768949	5.41E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
5508	481738.8	3768953	5.39E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00
5509	481729.6	3768957	5.36E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	9.74E-05	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00

5510	481720.4	3768960	5.33E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00
5511	481711.2	3768964	5.32E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00
5512	481702.1	3768968	5.30E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00
5513	481692.9	3768971	5.29E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
5514	481683.7	3768975	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
5515	481674.5	3768979	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5516	481665.4	3768982	5.22E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00
5517	481656.2	3768986	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
5518	481647	3768990	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
5519	481637.8	3768993	5.28E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
5520	481628.7	3768997	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
5521	481619.5	3769001	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5522	481610.3	3769004	5.23E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00
5523	481601.1	3769008	5.21E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00
5524	481592	3769012	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
5525	481582.8	3769015	5.18E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
5526	481573.6	3769019	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
5527	481564.4	3769023	5.16E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00
5528	481555.3	3769026	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00
5529	481546.1	3769030	5.14E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
5530	482040.1	3768530	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5531	482040.1	3768520	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
5532	482040.2	3768510	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5533	482040.3	3768500	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5534	482040.4	3768490	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5535	482040.4	3768480	2.76E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5536	482040.5	3768470	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5537	482040.6	3768460	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5538	482040.7	3768450	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
5539	482040.7	3768440	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
5540	482040.8	3768430	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5541	482040.9	3768420	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5542	482041	3768410	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5543	482041	3768400	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
5544	482041.1	3768390	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5545	482041.2	3768380	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5546	482041.2	3768370	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
5547	482041.3	3768360	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5548	482041.4	3768350	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5549	482066.2	3768539	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5550	482062.3	3768549	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
5551	482058.4	3768558	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
5552	482054.5	3768567	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
5553	482050.6	3768576	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5554	482046.7	3768585	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
5555	482042.8	3768594	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5556	482038.9	3768604	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5557	482035	3768613	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
5558	482031.1	3768622	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5559	482027.3	3768631	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
5560	482023.4	3768640	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5561	482019.5	3768649	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5562	482015.6	3768659	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
5563	482007.8	3768677	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
5564	482003.9	3768686	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5565	482000	3768695	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5566	481996.1	3768704	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5567	481992.2	3768714	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5568	481988.3	3768723	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5569	481984.4	3768732	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5570	481980.5	3768741	9.71E-04	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
5571	481937.7	3768842	6.51E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00
5572	481933.8	3768851	6.32E-04	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
5573	481929.9	3768860	6.14E-04	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00
5574	481926	3768870	5.98E-04	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00
5575	481922.2	3768879	5.81E-04	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
5576	481918.3	3768888	5.66E-04	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00
5577	481914.4	3768897	5.51E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00
5578	481910.5	3768906	5.38E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00
5579	481897.3	3768919	5.23E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00
5580	481888.1	3768923	5.21E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00
5581	481878.8	3768927	5.20E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00
5582	481869.6	3768930	5.19E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
5583	481860.3	3768934	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
5584	481851.1	3768938	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
5585	481841.8	3768941	5.13E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00
5586	481832.6	3768945	5.11E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	9.29E-05	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00
5587	481823.4	3768949	5.10E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00
5588	481814.1	3768952	5.09E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00
5589	481804.9	3768956	5.07E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00
5590	481795.6	3768960	5.04E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00
5591	481786.4	3768964	5.02E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00
5592	481777.1	3768967	5.00E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
5593	481767.9	3768971	4.98E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	9.06E-05	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00
5594	481758.6	3768975	4.97E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00
5595	481749.4	3768978	4.95E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00
5596	481740.1	3768982	4.93E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00
5597	481730.9	3768986	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
5598	481721.6	3768990	4.88E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00
5599	481712.4	3768993	4.87E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00
5600	481703.1	3768997	4.85E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00
5601	481693.9	3769001	4.84E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00
5602	481684.6	3769004	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
5603	481675.4	3769008	4.80E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00
5604	481666.1	3769012	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5605	481656.9	3769016	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00

5606	481647.7	3769019	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
5607	481638.4	3769023	4.84E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00
5608	481629.2	3769027	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
5609	481619.9	3769030	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
5610	481610.7	3769034	4.80E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00
5611	481601.4	3769038	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5612	481592.2	3769041	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
5613	481582.9	3769045	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
5614	481573.7	3769049	4.75E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00
5615	481564.4	3769053	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
5616	481555.2	3769056	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
5617	481545.9	3769060	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
5618	482070.1	3768530	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5619	482070.1	3768520	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5620	482070.2	3768510	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5621	482070.3	3768500	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5622	482070.4	3768490	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5623	482070.4	3768480	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5624	482070.5	3768470	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
5625	482070.6	3768460	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5626	482070.7	3768450	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
5627	482070.7	3768440	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5628	482070.8	3768430	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5629	482070.9	3768420	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
5630	482071	3768410	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5631	482071	3768400	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5632	482071.1	3768391	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
5633	482071.2	3768381	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5634	482071.2	3768371	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5635	482071.3	3768361	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5636	482071.4	3768351	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5637	482096.2	3768539	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
5638	482092.4	3768548	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
5639	482088.6	3768558	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5640	482084.7	3768567	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
5641	482080.9	3768576	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
5642	482077.1	3768585	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
5643	482073.2	3768594	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5644	482069.4	3768603	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
5645	482065.6	3768612	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
5646	482061.7	3768621	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5647	482057.9	3768630	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
5648	482054.1	3768639	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
5649	482050.2	3768648	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
5650	482046.4	3768657	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5651	482038.7	3768675	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
5652	482034.9	3768684	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
5653	482031.1	3768693	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
5654	482027.2	3768702	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
5655	482023.4	3768711	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5656	482019.6	3768720	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5657	482015.7	3768729	9.76E-04	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00
5658	482011.9	3768738	9.39E-04	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00
5659	481965.9	3768847	6.25E-04	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
5660	481962.1	3768856	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
5661	481958.2	3768865	5.91E-04	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00
5662	481954.4	3768874	5.74E-04	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
5663	481950.6	3768883	5.59E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00
5664	481946.7	3768892	5.45E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00
5665	481942.9	3768901	5.32E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00
5666	481918.5	3768940	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
5667	481909.4	3768944	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
5668	481900.3	3768948	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
5669	481891.2	3768951	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5670	481882.1	3768955	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
5671	481872.9	3768959	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00
5672	481863.8	3768962	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
5673	481854.7	3768966	4.72E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00
5674	481845.6	3768970	4.71E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00
5675	481836.5	3768973	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00
5676	481827.4	3768977	4.69E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	8.51E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
5677	481818.3	3768981	4.67E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00
5678	481809.2	3768984	4.66E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00
5679	481800.1	3768988	4.63E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00
5680	481791	3768992	4.62E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00
5681	481781.9	3768995	4.60E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00
5682	481772.8	3768999	4.58E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
5683	481763.7	3769003	4.57E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
5684	481754.6	3769006	4.56E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00
5685	481745.5	3769010	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
5686	481736.4	3769014	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00
5687	481727.2	3769017	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
5688	481718.1	3769021	4.48E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
5689	481709	3769024	4.47E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
5690	481699.9	3769028	4.46E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
5691	481690.8	3769032	4.45E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00
5692	481681.7	3769035	4.43E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
5693	481672.6	3769039	4.42E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00
5694	481663.5	3769043	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
5695	481654.4	3769046	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5696	481645.3	3769050	4.38E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5697	481636.2	3769054	4.46E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
5698	481627.1	3769057	4.45E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00
5699	481618	3769061	4.43E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
5700	481608.9	3769065	4.42E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
5701	481599.8	3769068	4.41E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00

5702	481590.7	3769072	4.40E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
5703	481581.5	3769076	4.39E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
5704	481572.4	3769079	4.38E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5705	481563.3	3769083	4.38E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
5706	481554.2	3769087	4.37E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
5707	481545.1	3769090	4.37E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00
5708	482100.1	3768530	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5709	482100.1	3768520	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5710	482100.2	3768510	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5711	482100.3	3768500	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
5712	482100.4	3768491	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5713	482100.4	3768481	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5714	482100.5	3768471	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5715	482100.6	3768461	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5716	482100.7	3768451	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5717	482100.7	3768441	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5718	482100.8	3768431	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5719	482100.9	3768421	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5720	482100.9	3768411	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
5721	482101	3768401	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
5722	482101.1	3768391	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5723	482101.2	3768381	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
5724	482101.2	3768371	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5725	482101.3	3768361	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5726	482126.2	3768540	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
5727	482122.3	3768549	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
5728	482118.5	3768558	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5729	482114.6	3768567	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
5730	482110.8	3768576	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5731	482106.9	3768585	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5732	482103	3768594	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
5733	482099.2	3768603	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
5734	482095.3	3768613	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5735	482091.5	3768622	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5736	482087.6	3768631	1.39E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
5737	482083.7	3768640	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5738	482079.9	3768649	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
5739	482076	3768658	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5740	482068.3	3768676	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5741	482064.4	3768685	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
5742	482060.6	3768694	1.08E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5743	482056.7	3768704	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
5744	482052.8	3768713	9.97E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5745	482049	3768722	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
5746	482002.6	3768831	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
5747	481998.8	3768840	6.17E-04	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00
5748	481994.9	3768849	6.01E-04	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
5749	481991.1	3768858	5.84E-04	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
5750	481987.2	3768867	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
5751	481983.3	3768876	5.52E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00
5752	481979.5	3768885	5.37E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00
5753	481975.6	3768895	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5754	481971.8	3768904	5.12E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00
5755	481967.9	3768913	5.00E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
5756	481964	3768922	4.89E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00
5757	481960.2	3768931	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5758	481956.3	3768940	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
5759	481952.4	3768949	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
5760	481921.1	3768969	4.44E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
5761	481911.9	3768973	4.43E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
5762	481902.7	3768977	4.42E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00
5763	481893.5	3768980	4.41E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00
5764	481884.4	3768984	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5765	481875.2	3768988	4.37E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
5766	481866	3768991	4.36E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00
5767	481856.8	3768995	4.35E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
5768	481847.7	3768999	4.34E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00
5769	481838.5	3769002	4.33E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00
5770	481829.3	3769006	4.31E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00
5771	481820.2	3769010	4.29E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00
5772	481811	3769013	4.28E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00
5773	481801.8	3769017	4.26E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00
5774	481792.6	3769021	4.25E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00
5775	481783.5	3769024	4.24E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00
5776	481774.3	3769028	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
5777	481765.1	3769032	4.22E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00
5778	481755.9	3769036	4.21E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00
5779	481746.8	3769039	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
5780	481737.6	3769043	4.17E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00
5781	481728.4	3769047	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
5782	481719.2	3769050	4.14E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00
5783	481710.1	3769054	4.13E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00
5784	481700.9	3769058	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
5785	481691.7	3769061	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
5786	481682.5	3769065	4.10E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00
5787	481673.4	3769069	4.08E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
5788	481664.2	3769072	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
5789	481655	3769076	4.06E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00
5790	481645.9	3769080	4.05E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00
5791	481636.7	3769083	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
5792	481627.5	3769087	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
5793	481618.3	3769091	4.10E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00
5794	481609.2	3769094	4.09E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
5795	481600	3769098	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
5796	481590.8	3769102	4.08E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
5797	481581.6	3769105	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00

5798	481572.5	3769109	4.06E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00
5799	481563.3	3769113	4.06E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00
5800	481554.1	3769116	4.05E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00
5801	481544.9	3769120	4.05E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00
5802	482130.1	3768531	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
5803	482130.1	3768521	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
5804	482130.2	3768511	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5805	482130.3	3768501	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5806	482130.4	3768491	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
5807	482130.4	3768481	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5808	482130.5	3768471	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
5809	482130.6	3768461	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5810	482130.7	3768451	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5811	482130.7	3768441	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5812	482130.8	3768431	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
5813	482130.9	3768421	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5814	482130.9	3768411	2.52E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5815	482131	3768401	2.55E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
5816	482131.1	3768391	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5817	482131.2	3768381	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
5818	481517	3768317	1.97E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
5819	481507.5	3768317	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
5820	481498	3768317	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
5821	481488.5	3768317	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
5822	481479	3768317	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
5823	481469.5	3768317	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
5824	481460	3768317	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
5825	481450.5	3768317	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
5826	481440.9	3768317	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
5827	481431.4	3768317	1.86E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
5828	481421.9	3768317	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
5829	481412.4	3768317	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
5830	481402.9	3768317	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
5831	481393.4	3768317	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5832	481383.9	3768316	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
5833	481374.4	3768316	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5834	481364.9	3768316	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
5835	481355.4	3768316	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5836	481345.9	3768316	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
5837	481557.2	3768326	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
5838	481517.1	3768307	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
5839	481507.6	3768307	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
5840	481498	3768307	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
5841	481488.5	3768307	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5842	481479	3768307	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
5843	481469.5	3768307	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
5844	481460	3768307	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
5845	481450.5	3768307	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
5846	481441	3768307	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
5847	481431.5	3768307	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
5848	481422	3768307	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5849	481412.5	3768307	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
5850	481403	3768307	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
5851	481393.4	3768307	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5852	481383.9	3768307	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
5853	481374.4	3768307	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5854	481364.9	3768307	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
5855	481355.4	3768307	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5856	481345.9	3768306	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
5857	481552.7	3768308	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5858	481564.9	3768321	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
5859	481517.1	3768297	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
5860	481507.6	3768297	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5861	481498.1	3768297	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
5862	481488.6	3768297	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
5863	481479.1	3768297	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
5864	481469.6	3768297	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
5865	481460	3768297	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5866	481450.5	3768297	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
5867	481441	3768297	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5868	481431.5	3768297	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
5869	481422	3768297	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5870	481412.5	3768297	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
5871	481403	3768297	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
5872	481393.5	3768297	9.91E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
5873	481384	3768297	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
5874	481374.5	3768297	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
5875	481365	3768297	8.77E-03	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00
5876	481355.4	3768297	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00
5877	481345.9	3768297	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00
5878	481551.7	3768298	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5879	481560	3768302	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5880	481571.8	3768313	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5881	481517.1	3768288	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5882	481507.6	3768287	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
5883	481498.1	3768287	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5884	481488.6	3768287	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
5885	481479.1	3768287	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
5886	481469.6	3768287	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
5887	481460.1	3768287	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5888	481450.6	3768287	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5889	481441.1	3768287	9.81E-03	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00
5890	481431.6	3768287	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00
5891	481422.1	3768287	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
5892	481412.5	3768287	8.77E-03	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00
5893	481403	3768287	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00

5894	481393.5	3768287	8.09E-03	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
5895	481384	3768287	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
5896	481374.5	3768287	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
5897	481365	3768287	7.22E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00
5898	481355.5	3768287	7.01E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
5899	481346	3768287	6.84E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
5900	481551	3768288	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5901	481567.3	3768295	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5902	481578.7	3768306	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5903	481585.3	3768323	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5904	481517.2	3768278	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
5905	481507.7	3768278	9.91E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5906	481498.2	3768278	9.75E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00
5907	481488.7	3768278	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
5908	481479.1	3768278	9.36E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00
5909	481469.6	3768277	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
5910	481460.1	3768277	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
5911	481450.6	3768277	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
5912	481441.1	3768277	8.24E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
5913	481431.6	3768277	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
5914	481422.1	3768277	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
5915	481412.6	3768277	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
5916	481403.1	3768277	7.05E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
5917	481393.6	3768277	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
5918	481384.1	3768277	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
5919	481374.5	3768277	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5920	481365	3768277	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
5921	481355.5	3768277	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
5922	481346	3768277	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
5923	481566.5	3768285	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
5924	481585.6	3768299	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5925	481592.1	3768315	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
5926	481517.2	3768268	8.74E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00
5927	481507.7	3768268	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
5928	481498.2	3768268	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
5929	481488.7	3768268	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
5930	481479.2	3768268	8.05E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
5931	481469.7	3768268	7.81E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00
5932	481460.2	3768268	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
5933	481450.7	3768268	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00
5934	481441.2	3768268	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
5935	481431.6	3768267	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
5936	481422.1	3768267	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
5937	481412.6	3768267	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
5938	481403.1	3768267	6.02E-03	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00
5939	481393.6	3768267	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
5940	481384.1	3768267	5.57E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
5941	481374.6	3768267	5.38E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
5942	481365.1	3768267	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
5943	481355.6	3768267	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
5944	481346.1	3768267	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
5945	481565.9	3768274	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
5946	481581.6	3768281	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
5947	481592.6	3768292	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5948	481599	3768308	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
5949	481605.4	3768324	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
5950	481517.3	3768258	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
5951	481507.8	3768258	7.50E-03	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
5952	481498.2	3768258	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
5953	481488.7	3768258	7.18E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
5954	481479.2	3768258	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
5955	481469.7	3768258	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
5956	481460.2	3768258	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
5957	481450.7	3768258	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
5958	481441.2	3768258	6.09E-03	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00
5959	481431.7	3768258	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
5960	481422.2	3768258	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
5961	481412.7	3768258	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
5962	481403.2	3768258	5.21E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
5963	481393.6	3768257	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00
5964	481384.1	3768257	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
5965	481374.6	3768257	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
5966	481365.1	3768257	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5967	481355.6	3768257	4.42E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
5968	481346.1	3768257	4.32E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
5969	481336.6	3768257	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
5970	481552.9	3768259	8.10E-03	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
5971	481561.6	3768263	8.47E-03	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00
5972	481570.3	3768266	8.81E-03	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00
5973	481579	3768270	9.13E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
5974	481587.7	3768274	9.41E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00
5975	481599.9	3768286	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5976	481603.5	3768295	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
5977	481607	3768304	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
5978	481610.6	3768312	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
5979	481614.1	3768321	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
5980	481517.3	3768248	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
5981	481507.8	3768248	6.60E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00
5982	481498.3	3768248	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
5983	481488.8	3768248	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
5984	481479.3	3768248	6.13E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
5985	481469.8	3768248	5.94E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
5986	481460.3	3768248	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
5987	481450.7	3768248	5.53E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
5988	481441.2	3768248	5.33E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
5989	481431.7	3768248	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00

5990	481422.2	3768248	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
5991	481412.7	3768248	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
5992	481403.2	3768248	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
5993	481393.7	3768248	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
5994	481384.2	3768248	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
5995	481374.7	3768248	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
5996	481365.2	3768248	4.01E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
5997	481355.7	3768247	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
5998	481346.1	3768247	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
5999	481336.6	3768247	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
6000	481552.4	3768249	7.18E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
6001	481560.9	3768253	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
6002	481569.4	3768256	7.83E-03	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
6003	481577.9	3768260	8.14E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
6004	481586.4	3768263	8.41E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
6005	481594.9	3768267	8.66E-03	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00
6006	481606.8	3768279	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
6007	481610.3	3768288	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
6008	481613.8	3768296	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
6009	481617.3	3768305	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
6010	481620.7	3768313	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
6011	481624.2	3768322	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
6031	481551.9	3768239	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
6032	481560.3	3768243	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
6033	481568.6	3768246	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
6034	481577	3768250	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
6035	481585.3	3768253	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
6036	481593.7	3768257	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
6039	481620.6	3768289	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
6040	481624	3768297	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
6041	481630.8	3768314	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
6061	481551.6	3768229	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6062	481568	3768236	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
6063	481584.5	3768243	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
6064	481600.9	3768250	7.22E-03	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00
6066	481627.4	3768281	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
6067	481634.2	3768298	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
6089	481567.6	3768226	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
6090	481583.8	3768233	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
6091	481600	3768240	6.53E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
6118	481553.1	3768210	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
6119	481561.8	3768214	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
6120	481570.5	3768217	5.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00
6121	481579.2	3768221	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
6122	481587.9	3768225	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00
6123	481596.6	3768228	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
6156	481552.7	3768200	4.28E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00
6157	481561.3	3768204	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
6158	481569.9	3768207	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
6159	481578.4	3768211	4.91E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
6160	481587	3768214	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
6161	481595.5	3768218	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
6196	481552.4	3768190	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6197	481560.9	3768194	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
6198	481569.3	3768197	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00
6199	481577.8	3768201	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
6200	481586.2	3768204	4.64E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
6201	481594.7	3768208	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
6202	481603.1	3768211	5.01E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
6239	481568.9	3768187	3.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6240	481577.2	3768191	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
6241	481585.6	3768194	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
6242	481593.9	3768198	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
6243	481602.3	3768201	4.56E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
6278	481585	3768184	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
6279	481601.5	3768191	4.18E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
7551	481528.7	3767802	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
7552	481519.2	3767802	4.71E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00
7553	481509.7	3767802	4.65E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
7554	481500.1	3767801	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
7555	481490.6	3767801	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00
7556	481481.1	3767801	4.46E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00
7557	481471.6	3767801	4.40E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
7558	481462.1	3767801	4.34E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
7559	481452.6	3767801	4.29E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00
7560	481443.1	3767801	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
7572	481537.4	3767775	4.47E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00
7651	481528.8	3767772	4.37E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00
7652	481519.3	3767772	4.31E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00
7653	481509.8	3767772	4.25E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00
7654	481500.3	3767771	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
7655	481490.8	3767771	4.14E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00
7656	481481.2	3767771	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
7657	481471.7	3767771	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
7658	481462.2	3767771	3.99E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00
7659	481452.7	3767771	3.94E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00
7660	481443.2	3767771	3.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00
7672	481537.6	3767745	4.09E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
7673	481546.4	3767749	4.19E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
7761	481528.9	3767742	4.00E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00
7762	481519.4	3767742	3.95E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
7763	481509.9	3767742	3.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00
7764	481500.4	3767741	3.86E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00
7765	481490.9	3767741	3.81E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
7766	481481.4	3767741	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
7767	481471.9	3767741	3.72E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00

7768	481462.4	3767741	3.67E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
7769	481452.8	3767741	3.63E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00
7770	481443.3	3767741	3.59E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00

Warehouse

Daily Trips
866

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	72.5%	4.6%	5.7%	17.2%	100%
# Daily Vehicles	627.85	39.84	49.36	148.95	866
# Annual Vehicles	229,165	14,540	18,017	54,367	316,090

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	14,540	16.7%	2.49E-05
3-Axle Trks	18,017	20.7%	2.86E-05
4-Axle Trks	54,367	62.5%	6.83E-05
Total	86,925	100%	---

DPM Lbs/ Yr	TEN_IN1	KAN_IN1	WES_IN1	TEN_OUT1	KAN_OUT1	WES_OUT1	Total
Distance (m)	726.5	1009.4	342.3	726.8	990.3	370.6	4165.9
Miles	0.45	0.63	0.21	0.45	0.62	0.23	2.59
2-Axle Trks	1.12E-05	1.56E-05	5.30E-06	1.12E-05	1.53E-05	5.74E-06	2.69E-05
3-Axle Trks	1.29E-05	1.79E-05	6.08E-06	1.29E-05	1.76E-05	6.58E-06	3.08E-05
4-Axle Trks	3.09E-05	4.29E-05	1.45E-05	3.09E-05	4.21E-05	1.57E-05	7.37E-05
Total	5.50E-05	7.64E-05	2.59E-05	5.50E-05	7.50E-05	2.81E-05	1.31E-04

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	14,540	16.7%	6.39E-05
3-Axle Trks	18,017	20.7%	2.55E-05
4-Axle Trks	54,367	62.5%	7.00E-05
Total	86,925	100%	---

DPM Lbs/ Yr	IN	IN2	IN3	OUT1	OUT2	OUT3	Total
Gas Only	N	N	N	N	N	N	
Distance (m)	245.8	108	210.1	245.8	108	210.1	1127.8
Miles	0.15	0.07	0.13	0.15	0.07	0.13	0.70
2-Axle Trks	9.76E-06	4.29E-06	8.34E-06	9.76E-06	4.29E-06	8.34E-06	4.48E-05
3-Axle Trks	3.89E-06	1.71E-06	3.33E-06	3.89E-06	1.71E-06	3.33E-06	1.79E-05
4-Axle Trks	1.07E-05	4.70E-06	9.14E-06	1.07E-05	4.70E-06	9.14E-06	4.91E-05
Total	2.43E-05	1.07E-05	2.08E-05	2.43E-05	1.07E-05	2.08E-05	1.12E-04

Truck Idle

# of Idling Pts	14

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	14	0	0	0	0	0	14
2-Axle Trks	14,540	6.09E-05	0.25	2.21E-01	1.58E-02	2.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-01
3-Axle Trks	18,017	5.55E-05	0.25	2.50E-01	1.79E-02	2.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-01
4-Axle Trks	54,367	8.80E-05	0.25	1.20E+00	8.55E-02	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+00
Total	86,925	--	--	1.67E+00	1.19E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+00

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	229,165	68%	32.14%
# Vehicles		155,501	73,664

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.21E-05	5.26E-04
LDT	7.55E-05	9.27E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	1.40E-02	1.56E-02
107028	Acrolein	1.30E-03	6.48E-03	7.23E-03
71432	Benzene	2.47E-02	1.23E-01	1.37E-01
106990	1,3-Butadiene	5.50E-03	2.74E-02	3.06E-02
100414	Ethylbenzene	1.05E-02	5.24E-02	5.84E-02
50000	Formaldehyde	1.58E-02	7.88E-02	8.79E-02
110543	Hexane	1.60E-02	7.98E-02	8.90E-02
67561	Methanol	1.20E-03	5.98E-03	6.67E-03
78933	Methyl Ethyl Ketone	2.00E-04	9.97E-04	1.11E-03
91203	Naphthalene	5.00E-04	2.49E-03	2.78E-03
115071	Propylene	3.06E-02	1.53E-01	1.70E-01
100425	Styrene	1.20E-03	5.98E-03	6.67E-03
108883	Toluene	5.76E-02	2.87E-01	3.20E-01
1330207	Xylenes	4.80E-02	2.39E-01	2.67E-01
9901	Diesel	1.61E-02	5.53E+00	2.62E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	1.80E-02	2.00E-02
100414	Ethylbenzene	1.180E-03	5.88E-03	6.56E-03
110543	Hexane	1.540E-02	7.68E-02	8.56E-02
108883	Toluene	1.700E-02	8.48E-02	9.45E-02
1330207	Xylenes	5.780E-03	2.88E-02	3.21E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	TEN_IN1		KAN_IN1		WES_IN1		TEN_OUT1		KAN_OUT1		WES_OUT1		IN		IN2		IN3		OUT1		OUT2		OUT3			
				Cars	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					13.72%		19.07%		6.47%		13.73%		18.71%		7.00%		4.64%		2.04%		3.97%		4.64%		2.04%		3.97%		100.00%	5293.7
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	9.84E-06	2.95E-02		6.10E-07	1.83E-03	1.18E-06	3.53E-03	1.35E-07	4.06E-04	6.10E-07	1.83E-03	1.13E-06	3.40E-03	1.59E-07	4.76E-04	6.98E-08	2.09E-04	1.35E-08	4.04E-05	5.10E-08	1.53E-04	6.98E-08	2.09E-04	1.35E-08	4.04E-05	5.10E-08	1.53E-04	4.09E-06	1.23E-02
107028	Acrolein	4.57E-06	1.37E-02		2.83E-07	8.50E-04	5.47E-07	1.64E-03	6.29E-08	1.89E-04	2.83E-07	8.50E-04	5.26E-07	1.58E-03	7.37E-08	2.21E-04	3.24E-08	9.73E-05	6.26E-09	1.88E-05	2.37E-08	7.11E-05	3.24E-08	9.73E-05	6.26E-09	1.88E-05	2.37E-08	7.11E-05	1.90E-06	5.70E-03
71432	Benzene	9.95E-05	2.98E-01		6.17E-06	1.85E-02	1.19E-05	3.57E-02	1.37E-06	4.11E-03	6.17E-06	1.85E-02	1.15E-05	3.44E-02	1.60E-06	4.81E-03	7.06E-07	2.12E-03	1.36E-07	4.09E-04	5.16E-07	1.55E-03	7.06E-07	2.12E-03	1.36E-07	4.09E-04	5.16E-07	1.55E-03	4.14E-05	1.24E-01
106990	1,3-Butadiene	1.93E-05	5.80E-02		1.20E-06	3.59E-03	2.31E-06	6.94E-03	2.66E-07	7.98E-04	1.20E-06	3.60E-03	2.23E-06	6.68E-03	3.12E-07	9.35E-04	1.37E-07	4.11E-04	2.65E-08	7.94E-05	1.00E-07	3.01E-04	1.37E-07	4.11E-04	2.65E-08	7.94E-05	1.00E-07	3.01E-04	8.04E-06	2.41E-02
100414	Ethylbenzene	4.11E-05	1.23E-01		2.54E-06	7.63E-03	4.91E-06	1.47E-02	5.65E-07	1.69E-03	2.55E-06	7.64E-03	4.73E-06	1.42E-02	6.62E-07	1.99E-03	2.91E-07	8.74E-04	5.62E-08	1.69E-04	2.13E-07	6.38E-04	2.91E-07	8.74E-04	5.62E-08	1.69E-04	2.13E-07	6.38E-04	1.71E-05	5.12E-02
50000	Formaldehyde	5.55E-05	1.67E-01		3.44E-06	1.03E-02	6.64E-06	1.99E-02	7.64E-07	2.29E-03	3.44E-06	1.03E-02	6.40E-06	1.92E-02	8.96E-07	2.69E-03	3.94E-07	1.18E-03	7.61E-08	2.28E-04	2.88E-07	8.64E-04	3.94E-07	1.18E-03	7.61E-08	2.28E-04	2.88E-07	8.64E-04	2.31E-05	6.93E-02
110543	Hexane	1.10E-04	3.31E-01		6.84E-06	2.05E-02	1.32E-05	3.96E-02	1.52E-06	4.56E-03	6.85E-06	2.05E-02	1.27E-05	3.81E-02	1.78E-06	5.34E-03	7.83E-07	2.35E-03	1.51E-07	4.54E-04	5.72E-07	1.72E-03	7.83E-07	2.35E-03	1.51E-07	4.54E-04	5.72E-07	1.72E-03	4.59E-05	1.38E-01
67561	Methanol	4.22E-06	1.27E-02		2.61E-07	7.84E-04	5.05E-07	1.51E-03	5.80E-08	1.74E-04	2.62E-07	7.85E-04	4.86E-07	1.46E-03	6.80E-08	2.04E-04	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	1.75E-06	5.26E-03
78933	Methyl Ethyl Ketone	7.03E-07	2.11E-03		4.36E-08	1.31E-04	8.41E-08	2.52E-04	9.67E-09	2.90E-05	4.36E-08	1.31E-04	8.10E-08	2.43E-04	1.13E-08	3.40E-05	4.99E-09	1.50E-05	9.63E-10	2.89E-06	3.64E-09	1.09E-05	4.99E-09	1.50E-05	9.63E-10	2.89E-06	3.64E-09	1.09E-05	2.92E-07	8.77E-04
91203	Naphthalene	1.76E-06	5.27E-03		1.09E-07	3.27E-04	2.10E-07	6.31E-04	2.42E-08	7.25E-05	1.09E-07	3.27E-04	2.02E-07	6.07E-04	2.83E-08	8.50E-05	1.25E-08	3.74E-05	2.41E-09	7.22E-06	9.11E-09	2.73E-05	1.25E-08	3.74E-05	2.41E-09	7.22E-06	9.11E-09	2.73E-05	7.31E-07	2.19E-03
115071	Propylene	1.08E-04	3.23E-01		6.67E-06	2.00E-02	1.29E-05	3.86E-02	1.48E-06	4.44E-03	6.67E-06	2.00E-02	1.24E-05	3.72E-02	1.73E-06	5.20E-03	7.63E-07	2.29E-03	1.47E-07	4.42E-04	5.58E-07	1.67E-03	7.63E-07	2.29E-03	1.47E-07	4.42E-04	5.58E-07	1.67E-03	4.47E-05	1.34E-01
100425	Styrene	4.22E-06	1.27E-02		2.61E-07	7.84E-04	5.05E-07	1.51E-03	5.80E-08	1.74E-04	2.62E-07	7.85E-04	4.86E-07	1.46E-03	6.80E-08	2.04E-04	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	1.75E-06	5.26E-03
108883	Toluene	2.62E-04	7.87E-01		1.63E-05	4.88E-02	3.14E-05	9.41E-02	3.61E-06	1.08E-02	1.63E-05	4.88E-02	3.02E-05	9.06E-02	4.23E-06	1.27E-02	1.86E-06	5.58E-03	3.59E-07	1.08E-03	1.36E-06	4.08E-03	1.86E-06	5.58E-03	3.59E-07	1.08E-03	1.36E-06	4.08E-03	1.09E-04	3.27E-01
1330207	Xylenes	1.89E-04	5.67E-01		1.17E-05	3.51E-02	2.26E-05	6.79E-02	2.60E-06	7.80E-03	1.17E-05	3.52E-02	2.18E-05	6.53E-02	3.05E-06	9.15E-03	1.34E-06	4.02E-03	2.59E-07	7.77E-04	9.80E-07	2.94E-03	1.34E-06	4.02E-03	2.59E-07	7.77E-04	9.80E-07	2.94E-03	7.86E-05	2.36E-01
9901	Diesel	2.72E-03	8.15E+00		1.68E-04	5.05E-01	3.25E-04	9.75E-01	3.74E-05	1.12E-01	1.69E-04	5.06E-01	3.13E-04	9.39E-01	4.38E-05	1.31E-01	1.93E-05	5.79E-02	3.72E-06	1.12E-02	1.41E-05	4.23E-02	1.93E-05	5.79E-02	3.72E-06	1.12E-02	1.41E-05	4.23E-02	1.13E-03	3.39E+00

	Model Source		Source Col	Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	TEN_IN1		1	8	1	8	98	75070	Acetaldehyde	15	19
2	KAN_IN1		2	10	2	10	99	107028	Acrolein		
3	WES_IN1		3	12	3	12	100	71432	Benzene		
4	TEN_OUT1		4	14	4	14	101	106990	1-3,Butadiene		
5	KAN_OUT1		5	16	5	16	102	100414	Ethylbenzene		
6	WES_OUT1		6	18	6	18	103	50000	Formaldehyde		
7	IN		7	20	7	20	104	110543	Hexane		
8	IN2		8	22	8	22	105	67561	Methanol		
9	IN3		9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	OUT1		10	26	10	26	107	91203	Naphthalene		
11	OUT2		11	28	11	28	108	115071	Propylene		
12	OUT3		12	30	12	30	109	100425	Styrene		
13	Idle		Idle1	8		8	110	108883	Toluene		
14		0	Idle1	9		8	111	1330207	Xylenes		
15		0	Idle1	10		8	112	9901	Diesel		
16		0	Idle1	11		8					
17		0	Idle1	12		8	37		Idle		
18		0	Idle1	13		7	47		TRU		
19	TRU		TRU	7							
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1	8	98	1	1	TEN_IN1	0	0	75070	Acetaldehyde	1	1.83E-03	6.10E-07	1
1	8	99	1	2	TEN_IN1	0	0	107028	Acrolein	1	8.50E-04	2.83E-07	1
1	8	100	1	3	TEN_IN1	0	0	71432	Benzene	1	1.85E-02	6.17E-06	1
1	8	101	1	4	TEN_IN1	0	0	106990	1-3,Butadiene	1	3.59E-03	1.20E-06	1
1	8	102	1	5	TEN_IN1	0	0	100414	Ethylbenzene	1	7.63E-03	2.54E-06	1
1	8	103	1	6	TEN_IN1	0	0	50000	Formaldehyde	1	1.03E-02	3.44E-06	1
1	8	104	1	7	TEN_IN1	0	0	110543	Hexane	1	2.05E-02	6.84E-06	1
1	8	105	1	8	TEN_IN1	0	0	67561	Methanol	1	7.84E-04	2.61E-07	1
1	8	106	1	9	TEN_IN1	0	0	78933	Methyl Ethyl Ketone	1	1.31E-04	4.36E-08	1
1	8	107	1	10	TEN_IN1	0	0	91203	Naphthalene	1	3.27E-04	1.09E-07	1
1	8	108	1	11	TEN_IN1	0	0	115071	Propylene	1	2.00E-02	6.67E-06	1
1	8	109	1	12	TEN_IN1	0	0	100425	Styrene	1	7.84E-04	2.61E-07	1
1	8	110	1	13	TEN_IN1	0	0	108883	Toluene	1	4.88E-02	1.63E-05	1
1	8	111	1	14	TEN_IN1	0	0	1330207	Xylenes	1	3.51E-02	1.17E-05	1
1	8	112	1	15	TEN_IN1	0	0	9901	Diesel	1	5.05E-01	1.68E-04	1
2	10	98	2	1	KAN_IN1	0	0	75070	Acetaldehyde	1	3.53E-03	1.18E-06	1
2	10	99	2	2	KAN_IN1	0	0	107028	Acrolein	1	1.64E-03	5.47E-07	1
2	10	100	2	3	KAN_IN1	0	0	71432	Benzene	1	3.57E-02	1.19E-05	1
2	10	101	2	4	KAN_IN1	0	0	106990	1-3,Butadiene	1	6.94E-03	2.31E-06	1
2	10	102	2	5	KAN_IN1	0	0	100414	Ethylbenzene	1	1.47E-02	4.91E-06	1
2	10	103	2	6	KAN_IN1	0	0	50000	Formaldehyde	1	1.99E-02	6.64E-06	1
2	10	104	2	7	KAN_IN1	0	0	110543	Hexane	1	3.96E-02	1.32E-05	1
2	10	105	2	8	KAN_IN1	0	0	67561	Methanol	1	1.51E-03	5.05E-07	1
2	10	106	2	9	KAN_IN1	0	0	78933	Methyl Ethyl Ketone	1	2.52E-04	8.41E-08	1
2	10	107	2	10	KAN_IN1	0	0	91203	Naphthalene	1	6.31E-04	2.10E-07	1
2	10	108	2	11	KAN_IN1	0	0	115071	Propylene	1	3.86E-02	1.29E-05	1
2	10	109	2	12	KAN_IN1	0	0	100425	Styrene	1	1.51E-03	5.05E-07	1
2	10	110	2	13	KAN_IN1	0	0	108883	Toluene	1	9.41E-02	3.14E-05	1
2	10	111	2	14	KAN_IN1	0	0	1330207	Xylenes	1	6.79E-02	2.26E-05	1
2	10	112	2	15	KAN_IN1	0	0	9901	Diesel	1	9.75E-01	3.25E-04	1
3	12	98	3	1	WES_IN1	0	0	75070	Acetaldehyde	1	4.06E-04	1.35E-07	1
3	12	99	3	2	WES_IN1	0	0	107028	Acrolein	1	1.89E-04	6.29E-08	1
3	12	100	3	3	WES_IN1	0	0	71432	Benzene	1	4.11E-03	1.37E-06	1
3	12	101	3	4	WES_IN1	0	0	106990	1-3,Butadiene	1	7.98E-04	2.66E-07	1
3	12	102	3	5	WES_IN1	0	0	100414	Ethylbenzene	1	1.69E-03	5.65E-07	1
3	12	103	3	6	WES_IN1	0	0	50000	Formaldehyde	1	2.29E-03	7.64E-07	1
3	12	104	3	7	WES_IN1	0	0	110543	Hexane	1	4.56E-03	1.52E-06	1
3	12	105	3	8	WES_IN1	0	0	67561	Methanol	1	1.74E-04	5.80E-08	1
3	12	106	3	9	WES_IN1	0	0	78933	Methyl Ethyl Ketone	1	2.90E-05	9.67E-09	1
3	12	107	3	10	WES_IN1	0	0	91203	Naphthalene	1	7.25E-05	2.42E-08	1
3	12	108	3	11	WES_IN1	0	0	115071	Propylene	1	4.44E-03	1.48E-06	1
3	12	109	3	12	WES_IN1	0	0	100425	Styrene	1	1.74E-04	5.80E-08	1
3	12	110	3	13	WES_IN1	0	0	108883	Toluene	1	1.08E-02	3.61E-06	1
3	12	111	3	14	WES_IN1	0	0	1330207	Xylenes	1	7.80E-03	2.60E-06	1
3	12	112	3	15	WES_IN1	0	0	9901	Diesel	1	1.12E-01	3.74E-05	1
4	14	98	4	1	TEN_OUT1	0	0	75070	Acetaldehyde	1	1.83E-03	6.10E-07	1
4	14	99	4	2	TEN_OUT1	0	0	107028	Acrolein	1	8.50E-04	2.83E-07	1
4	14	100	4	3	TEN_OUT1	0	0	71432	Benzene	1	1.85E-02	6.17E-06	1
4	14	101	4	4	TEN_OUT1	0	0	106990	1-3,Butadiene	1	3.60E-03	1.20E-06	1
4	14	102	4	5	TEN_OUT1	0	0	100414	Ethylbenzene	1	7.64E-03	2.55E-06	1
4	14	103	4	6	TEN_OUT1	0	0	50000	Formaldehyde	1	1.03E-02	3.44E-06	1
4	14	104	4	7	TEN_OUT1	0	0	110543	Hexane	1	2.05E-02	6.85E-06	1
4	14	105	4	8	TEN_OUT1	0	0	67561	Methanol	1	7.85E-04	2.62E-07	1
4	14	106	4	9	TEN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.31E-04	4.36E-08	1
4	14	107	4	10	TEN_OUT1	0	0	91203	Naphthalene	1	3.27E-04	1.09E-07	1
4	14	108	4	11	TEN_OUT1	0	0	115071	Propylene	1	2.00E-02	6.67E-06	1
4	14	109	4	12	TEN_OUT1	0	0	100425	Styrene	1	7.85E-04	2.62E-07	1
4	14	110	4	13	TEN_OUT1	0	0	108883	Toluene	1	4.88E-02	1.63E-05	1
4	14	111	4	14	TEN_OUT1	0	0	1330207	Xylenes	1	3.52E-02	1.17E-05	1
4	14	112	4	15	TEN_OUT1	0	0	9901	Diesel	1	5.06E-01	1.69E-04	1
5	16	98	5	1	KAN_OUT1	0	0	75070	Acetaldehyde	1	3.40E-03	1.13E-06	1
5	16	99	5	2	KAN_OUT1	0	0	107028	Acrolein	1	1.58E-03	5.26E-07	1
5	16	100	5	3	KAN_OUT1	0	0	71432	Benzene	1	3.44E-02	1.15E-05	1
5	16	101	5	4	KAN_OUT1	0	0	106990	1-3,Butadiene	1	6.68E-03	2.23E-06	1
5	16	102	5	5	KAN_OUT1	0	0	100414	Ethylbenzene	1	1.42E-02	4.73E-06	1
5	16	103	5	6	KAN_OUT1	0	0	50000	Formaldehyde	1	1.92E-02	6.40E-06	1
5	16	104	5	7	KAN_OUT1	0	0	110543	Hexane	1	3.81E-02	1.27E-05	1
5	16	105	5	8	KAN_OUT1	0	0	67561	Methanol	1	1.46E-03	4.86E-07	1
5	16	106	5	9	KAN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	2.43E-04	8.10E-08	1
5	16	107	5	10	KAN_OUT1	0	0	91203	Naphthalene	1	6.07E-04	2.02E-07	1
5	16	108	5	11	KAN_OUT1	0	0	115071	Propylene	1	3.72E-02	1.24E-05	1
5	16	109	5	12	KAN_OUT1	0	0	100425	Styrene	1	1.46E-03	4.86E-07	1
5	16	110	5	13	KAN_OUT1	0	0	108883	Toluene	1	9.06E-02	3.02E-05	1
5	16	111	5	14	KAN_OUT1	0	0	1330207	Xylenes	1	6.53E-02	2.18E-05	1
5	16	112	5	15	KAN_OUT1	0	0	9901	Diesel	1	9.39E-01	3.13E-04	1
6	18	98	6	1	WES_OUT1	0	0	75070	Acetaldehyde	1	4.76E-04	1.59E-07	1
6	18	99	6	2	WES_OUT1	0	0	107028	Acrolein	1	2.21E-04	7.37E-08	1
6	18	100	6	3	WES_OUT1	0	0	71432	Benzene	1	4.81E-03	1.60E-06	1
6	18	101	6	4	WES_OUT1	0	0	106990	1-3,Butadiene	1	9.35E-04	3.12E-07	1
6	18	102	6	5	WES_OUT1	0	0	100414	Ethylbenzene	1	1.99E-03	6.62E-07	1
6	18	103	6	6	WES_OUT1	0	0	50000	Formaldehyde	1	2.69E-03	8.96E-07	1
6	18	104	6	7	WES_OUT1	0	0	110543	Hexane	1	5.34E-03	1.78E-06	1
6	18	105	6	8	WES_OUT1	0	0	67561	Methanol	1	2.04E-04	6.80E-08	1
6	18	106	6	9	WES_OUT1	0	0	78933	Methyl Ethyl Ketone	1	3.40E-05	1.13E-08	1
6	18	107	6	10	WES_OUT1	0	0	91203	Naphthalene	1	8.50E-05	2.83E-08	1
6	18	108	6	11	WES_OUT1	0	0	115071	Propylene	1	5.20E-03	1.73E-06	1
6	18	109	6	12	WES_OUT1	0	0	100425	Styrene	1	2.04E-04	6.80E-08	1
6	18	110	6	13	WES_OUT1	0	0	108883	Toluene	1	1.27E-02	4.23E-06	1
6	18	111	6	14	WES_OUT1	0	0	1330207	Xylenes	1	9.15E-03	3.05E-06	1
6	18	112	6	15	WES_OUT1	0	0	9901	Diesel	1	1.31E-01	4.38E-05	1
7	20	98	7	1	IN	0	0	75070	Acetaldehyde	1	2.09E-04	6.98E-08	1
7	20	99	7	2	IN	0	0	107028	Acrolein	1	9.73E-05	3.24E-08	1
7	20	100	7	3	IN	0	0	71432	Benzene	1	2.12E-03	7.06E-07	1
7	20	101	7	4	IN	0	0	106990	1-3,Butadiene	1	4.11E-04	1.37E-07	1
7	20	102	7	5	IN	0	0	100414	Ethylbenzene	1	8.74E-04	2.91E-07	1
7	20	103	7	6	IN	0	0	50000	Formaldehyde	1	1.18E-03	3.94E-07	1
7	20	104	7	7	IN	0	0	110543	Hexane	1	2.35E-03	7.83E-07	1
7	20	105	7	8	IN	0	0	67561	Methanol	1	8.98E-05	2.99E-08	1
7	20	106	7	9	IN	0	0	78933	Methyl Ethyl Ketone	1	1.50E-05	4.99E-09	1
7	20	107	7	10	IN	0	0	91203	Naphthalene	1	3.74E-05	1.25E-08	1
7	20	108	7	11	IN	0	0	115071	Propylene	1	2.29E-03	7.63E-07	1
7	20	109	7	12	IN	0	0	100425	Styrene	1	8.98E-05	2.99E-08	1
7	20	110	7	13	IN	0	0	108883	Toluene	1	5.58E-03	1.86E-06	1
7	20	111	7	14	IN	0	0	1330207	Xylenes	1	4.02E-03	1.34E-06	1
7	20	112	7	15	IN	0	0	9901	Diesel	1	5.79E-02	1.93E-05	1
8	22	98	8	1	IN2	0	0	75070	Acetaldehyde	1	4.04E-05	1.35E-08	1
8	22	99	8	2	IN2	0	0	107028	Acrolein	1	1.88E-05	6.26E-09	1
8	22	100	8	3	IN2	0	0	71432	Benzene	1	4.09E-04	1.36E-07	1
8	22	101	8	4	IN2	0	0	106990	1-3,Butadiene	1	7.94E-05	2.65E-08	1
8	22	102	8	5	IN2	0	0	100414	Ethylbenzene	1	1.69E-04	5.62E-08	1
8	22	103	8	6	IN2	0	0	50000	Formaldehyde	1	2.28E-04	7.61E-08	1
8	22	104	8	7	IN2	0	0	110543	Hexane	1	4.54E-04	1.51E-07	1
8	22	105	8	8	IN2	0	0	67561	Methanol	1	1.73E-05	5.78E-09	1
8	22	106	8	9	IN2	0	0	78933	Methyl Ethyl Ketone	1	2.89E-06	9.63E-10	1
8	22	107	8	10	IN2	0	0	91203	Naphthalene	1	7.22E-06	2.41E-09	1
8	22	108	8	11	IN2	0	0	115071	Propylene	1	4.42E-04	1.47E-07	1
8	22	109	8	12	IN2	0	0	100425	Styrene	1	1.73E-05	5.78E-09	1
8	22	110	8	13	IN2	0	0	108883	Toluene	1	1.08E-03	3.59E-07	1
8	22	111	8	14	IN2	0	0	1330207	Xylenes	1	7.77E-04	2.59E-07	1
8	22	112	8	15	IN2	0	0	9901	Diesel	1	1.12E-02	3.72E-06	1
9	24	98	9	1	IN3	0	0	75070	Acetaldehyde	1	1.53E-04	5.10E-08	1
9	24	99	9	2	IN3	0	0	107028	Acrolein	1	7.11E-05	2.37E-08	1
9	24	100	9	3	IN3	0	0	71432	Benzene	1	1.55E-03	5.16E-07	1
9	24	101	9	4	IN3	0	0	106990	1-3,Butadiene	1	3.01E-04	1.00E-07	1
9	24	102	9	5	IN3	0	0	100414	Ethylbenzene	1	6.38E-04	2.13E-07	1
9	24	103	9	6	IN3	0	0	50000	Formaldehyde	1	8.64E-04	2.88E-07	1
9	24	104	9	7	IN3	0	0	110543	Hexane	1	1.72E-03	5.72E-07	1
9	24	105	9	8	IN3	0	0	67561	Methanol	1	6.56E-05	2.19E-08	1
9	24	106	9	9	IN3	0	0	78933	Methyl Ethyl Ketone	1	1.09E-05	3.64E-09	1
9	24	107	9	10	IN3	0	0	91203	Naphthalene	1	2.73E-05	9.11E-09	1
9	24	108	9	11	IN3	0	0	115071	Propylene	1	1.67E-03	5.58E-07	1
9	24	109	9	12	IN3	0	0	100425	Styrene	1	6.56E-05	2.19E-08	1
9	24	110	9	13	IN3	0	0	108883	Toluene	1	4.08E-03	1.36E-06	1
9	24	111	9	14	IN3	0	0	1330207	Xylenes	1	2.94E-03	9.80E-07	1
9	24	112	9	15	IN3	0	0	9901	Diesel	1	4.23E-02	1.41E-05	1
10	26	98	10	1	OUT1	0	0	75070	Acetaldehyde	1	2.09E-04	6.98E-08	1
10	26	99	10	2	OUT1	0	0	107028	Acrolein	1	9.73E-05	3.24E-08	1
10	26	100	10	3	OUT1	0	0	71432	Benzene	1	2.12E-03	7.06E-07	1
10	26	101	10	4	OUT1	0	0	106990	1-3,Butadiene	1	4.11E-04	1.37E-07	1
10	26	102	10	5	OUT1	0	0	100414	Ethylbenzene	1	8.74E-04	2.91E-07	1
10	26	103	10	6	OUT1	0	0	50000	Formaldehyde	1	1.18E-03	3.94E-07	1
10	26	104	10	7	OUT1	0	0	110543	Hexane	1	2.35E-03	7.83E-07	1
10	26	105	10	8	OUT1	0	0	67561	Methanol	1	8.98E-05	2.99E-08	1
10	26	106	10	9	OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.50E-05	4.99E-09	1
10	26	107	10	10	OUT1	0	0	91203	Naphthalene	1	3.74E-05	1.25E-08	1
10	26	108	10	11	OUT1	0	0	115071	Propylene	1	2.29E-03	7.63E-07	1

10	26	109	10	12	OUT1	0	0	100425	Styrene	1	8.98E-05	2.99E-08	1
10	26	110	10	13	OUT1	0	0	108883	Toluene	1	5.58E-03	1.86E-06	1
10	26	111	10	14	OUT1	0	0	1330207	Xylenes	1	4.02E-03	1.34E-06	1
10	26	112	10	15	OUT1	0	0	9901	Diesel	1	5.79E-02	1.93E-05	1
11	28	98	11	1	OUT2	0	0	75070	Acetaldehyde	1	4.04E-05	1.35E-08	1
11	28	99	11	2	OUT2	0	0	107028	Acrolein	1	1.88E-05	6.26E-09	1
11	28	100	11	3	OUT2	0	0	71432	Benzene	1	4.09E-04	1.36E-07	1
11	28	101	11	4	OUT2	0	0	106990	1-3,Butadiene	1	7.94E-05	2.65E-08	1
11	28	102	11	5	OUT2	0	0	100414	Ethylbenzene	1	1.69E-04	5.62E-08	1
11	28	103	11	6	OUT2	0	0	50000	Formaldehyde	1	2.28E-04	7.61E-08	1
11	28	104	11	7	OUT2	0	0	110543	Hexane	1	4.54E-04	1.51E-07	1
11	28	105	11	8	OUT2	0	0	67561	Methanol	1	1.73E-05	5.78E-09	1
11	28	106	11	9	OUT2	0	0	78933	Methyl Ethyl Ketone	1	2.89E-06	9.63E-10	1
11	28	107	11	10	OUT2	0	0	91203	Naphthalene	1	7.22E-06	2.41E-09	1
11	28	108	11	11	OUT2	0	0	115071	Propylene	1	4.42E-04	1.47E-07	1
11	28	109	11	12	OUT2	0	0	100425	Styrene	1	1.73E-05	5.78E-09	1
11	28	110	11	13	OUT2	0	0	108883	Toluene	1	1.08E-03	3.59E-07	1
11	28	111	11	14	OUT2	0	0	1330207	Xylenes	1	7.77E-04	2.59E-07	1
11	28	112	11	15	OUT2	0	0	9901	Diesel	1	1.12E-02	3.72E-06	1
12	30	98	12	1	OUT3	0	0	75070	Acetaldehyde	1	1.53E-04	5.10E-08	1
12	30	99	12	2	OUT3	0	0	107028	Acrolein	1	7.11E-05	2.37E-08	1
12	30	100	12	3	OUT3	0	0	71432	Benzene	1	1.55E-03	5.16E-07	1
12	30	101	12	4	OUT3	0	0	106990	1-3,Butadiene	1	3.01E-04	1.00E-07	1
12	30	102	12	5	OUT3	0	0	100414	Ethylbenzene	1	6.38E-04	2.13E-07	1
12	30	103	12	6	OUT3	0	0	50000	Formaldehyde	1	8.64E-04	2.88E-07	1
12	30	104	12	7	OUT3	0	0	110543	Hexane	1	1.72E-03	5.72E-07	1
12	30	105	12	8	OUT3	0	0	67561	Methanol	1	6.56E-05	2.19E-08	1
12	30	106	12	9	OUT3	0	0	78933	Methyl Ethyl Ketone	1	1.09E-05	3.64E-09	1
12	30	107	12	10	OUT3	0	0	91203	Naphthalene	1	2.73E-05	9.11E-09	1
12	30	108	12	11	OUT3	0	0	115071	Propylene	1	1.67E-03	5.58E-07	1
12	30	109	12	12	OUT3	0	0	100425	Styrene	1	6.56E-05	2.19E-08	1
12	30	110	12	13	OUT3	0	0	108883	Toluene	1	4.08E-03	1.36E-06	1
12	30	111	12	14	OUT3	0	0	1330207	Xylenes	1	2.94E-03	9.80E-07	1
12	30	112	12	15	OUT3	0	0	9901	Diesel	1	4.23E-02	1.41E-05	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	1.19E-01	0.00E+00	1
Idle	9	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	13	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	13	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	13	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	13	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	13	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	13	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	13	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	13	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	13	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	13	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU	7	98	19	1	TRU	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	99	19	2	TRU	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU	7	100	19	3	TRU	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU	7	101	19	4	TRU	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	7	102	19	5	TRU	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	7	103	19	6	TRU	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	104	19	7	TRU	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU	7	105	19	8	TRU	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU	7	106	19	9	TRU	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	7	107	19	10	TRU	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU	7	108	19	11	TRU	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRU	7	109	19	12	TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	7	110	19	13	TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	7	111	19	14	TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	7	47	19	15	TRU	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

Cold Storage

Daily Trips
96

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	55.3%	15.5%	4.9%	24.3%	100%
# Daily Vehicles	53.09	14.88	4.70	23.33	96
# Annual Vehicles	19,377	5,431	1,717	8,515	35,040

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	5,431	34.7%	2.49E-05
3-Axle Trks	1,717	11.0%	2.86E-05
4-Axle Trks	8,515	54.4%	6.83E-05
Total	15,663	100%	---

DPM Lbs/ Yr	TEN_IN1	KAN_IN1	WES_IN1	TEN_OUT1	KAN_OUT1	WES_OUT1	Total
Distance (m)	726.5	1009.4	342.3	726.8	990.3	370.6	4165.9
Miles	0.45	0.63	0.21	0.45	0.62	0.23	2.59
2-Axle Trks	1.12E-05	1.56E-05	5.30E-06	1.12E-05	1.53E-05	5.74E-06	2.69E-05
3-Axle Trks	1.29E-05	1.79E-05	6.08E-06	1.29E-05	1.76E-05	6.58E-06	3.08E-05
4-Axle Trks	3.09E-05	4.29E-05	1.45E-05	3.09E-05	4.21E-05	1.57E-05	7.37E-05
Total	5.50E-05	7.64E-05	2.59E-05	5.50E-05	7.50E-05	2.81E-05	1.31E-04

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	5,431	34.7%	6.39E-05
3-Axle Trks	1,717	11.0%	2.55E-05
4-Axle Trks	8,515	54.4%	7.00E-05
Total	15,663	100%	---

DPM Lbs/ Yr	IN	IN2	IN3	OUT1	OUT2	OUT3	Total
Gas Only	N	N	N	N	N	N	
Distance (m)	245.8	108	210.1	245.8	108	210.1	1127.8
Miles	0.15	0.07	0.13	0.15	0.07	0.13	0.70
2-Axle Trks	9.76E-06	4.29E-06	8.34E-06	9.76E-06	4.29E-06	8.34E-06	4.48E-05
3-Axle Trks	3.89E-06	1.71E-06	3.33E-06	3.89E-06	1.71E-06	3.33E-06	1.79E-05
4-Axle Trks	1.07E-05	4.70E-06	9.14E-06	1.07E-05	4.70E-06	9.14E-06	4.91E-05
Total	2.43E-05	1.07E-05	2.08E-05	2.43E-05	1.07E-05	2.08E-05	1.12E-04

Truck Idle

# of Idling Pts	14

Truck Idling						Idle							Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	14	0	0	0	0	0	0	14
2-Axle Trks	5,431	6.09E-05	0.25	8.27E-02	5.91E-03	8.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-02
3-Axle Trks	1,717	5.55E-05	0.25	2.38E-02	1.70E-03	2.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-02
4-Axle Trks	8,515	8.80E-05	0.25	1.87E-01	1.34E-02	1.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-01
Total	15,663	--	--	2.94E-01	2.10E-02	2.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-01

TRUs

Percent of Trucks	100		# of Units	14

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	5,431	0.50	4.19E-03	11.37
3-Axle Trks	4.9	1,717			3.60
4-Axle Trks	24.3	8,515			17.83
Total	45	15,663	Emission/Unit		2.34

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	19,377	68%	32.14%
# Vehicles		13,148	6,229

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.21E-05	5.26E-04
LDT	7.55E-05	9.27E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	1.18E-03	1.32E-03
107028	Acrolein	1.30E-03	5.48E-04	6.11E-04
71432	Benzene	2.47E-02	1.04E-02	1.16E-02
106990	1,3-Butadiene	5.50E-03	2.32E-03	2.59E-03
100414	Ethylbenzene	1.05E-02	4.43E-03	4.94E-03
50000	Formaldehyde	1.58E-02	6.66E-03	7.43E-03
110543	Hexane	1.60E-02	6.75E-03	7.52E-03
67561	Methanol	1.20E-03	5.06E-04	5.64E-04
78933	Methyl Ethyl Ketone	2.00E-04	8.43E-05	9.40E-05
91203	Naphthalene	5.00E-04	2.11E-04	2.35E-04
115071	Propylene	3.06E-02	1.29E-02	1.44E-02
100425	Styrene	1.20E-03	5.06E-04	5.64E-04
108883	Toluene	5.76E-02	2.43E-02	2.71E-02
1330207	Xylenes	4.80E-02	2.02E-02	2.26E-02
9901	Diesel	1.61E-02	4.68E-01	2.22E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	1.52E-03	1.69E-03
100414	Ethylbenzene	1.180E-03	4.98E-04	5.55E-04
110543	Hexane	1.540E-02	6.49E-03	7.24E-03
108883	Toluene	1.700E-02	7.17E-03	7.99E-03
1330207	Xylenes	5.780E-03	2.44E-03	2.72E-03

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	TEN_IN1		KAN_IN1		WES_IN1		TEN_OUT1		KAN_OUT1		WES_OUT1		IN		IN2		IN3		OUT1		OUT2		OUT3			
				Cars	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					13.72%		19.07%		6.47%		13.73%		18.71%		7.00%		4.64%		2.04%		3.97%		4.64%		2.04%		3.97%		100.00%	5293.7
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	8.32E-07	2.50E-03		5.16E-08	1.55E-04	9.96E-08	2.99E-04	1.14E-08	3.43E-05	5.16E-08	1.55E-04	9.58E-08	2.88E-04	1.34E-08	4.03E-05	5.90E-09	1.77E-05	1.14E-09	3.42E-06	4.31E-09	1.29E-05	5.90E-09	1.77E-05	1.14E-09	3.42E-06	4.31E-09	1.29E-05	3.46E-07	1.04E-03
107028	Acrolein	3.86E-07	1.16E-03		2.39E-08	7.18E-05	4.62E-08	1.39E-04	5.32E-09	1.59E-05	2.40E-08	7.19E-05	4.45E-08	1.33E-04	6.23E-09	1.87E-05	2.74E-09	8.22E-06	5.29E-10	1.59E-06	2.00E-09	6.01E-06	2.74E-09	8.22E-06	5.29E-10	1.59E-06	2.00E-09	6.01E-06	1.61E-07	4.82E-04
71432	Benzene	8.41E-06	2.52E-02		5.21E-07	1.56E-03	1.01E-06	3.02E-03	1.16E-07	3.47E-04	5.22E-07	1.57E-03	9.69E-07	2.91E-03	1.36E-07	4.07E-04	5.97E-08	1.79E-04	1.15E-08	3.46E-05	4.36E-08	1.31E-04	5.97E-08	1.79E-04	1.15E-08	3.46E-05	4.36E-08	1.31E-04	3.50E-06	1.05E-02
106990	1,3-Butadiene	1.63E-06	4.90E-03		1.01E-07	3.04E-04	1.96E-07	5.87E-04	2.25E-08	6.75E-05	1.01E-07	3.04E-04	1.88E-07	5.65E-04	2.64E-08	7.91E-05	1.16E-08	3.48E-05	2.24E-09	6.72E-06	8.47E-09	2.54E-05	1.16E-08	3.48E-05	2.24E-09	6.72E-06	8.47E-09	2.54E-05	6.80E-07	2.04E-03
100414	Ethylbenzene	3.47E-06	1.04E-02		2.15E-07	6.45E-04	4.15E-07	1.25E-03	4.78E-08	1.43E-04	2.15E-07	6.46E-04	4.00E-07	1.20E-03	5.60E-08	1.68E-04	2.46E-08	7.39E-05	4.75E-09	1.43E-05	1.80E-08	5.40E-05	2.46E-08	7.39E-05	4.75E-09	1.43E-05	1.80E-08	5.40E-05	1.44E-06	4.33E-03
50000	Formaldehyde	4.70E-06	1.41E-02		2.91E-07	8.73E-04	5.62E-07	1.69E-03	6.46E-08	1.94E-04	2.91E-07	8.74E-04	5.41E-07	1.62E-03	7.57E-08	2.27E-04	3.33E-08	9.99E-05	6.43E-09	1.93E-05	2.43E-08	7.30E-05	3.33E-08	9.99E-05	6.43E-09	1.93E-05	2.43E-08	7.30E-05	1.95E-06	5.86E-03
110543	Hexane	9.33E-06	2.80E-02		5.78E-07	1.74E-03	1.12E-06	3.35E-03	1.28E-07	3.85E-04	5.79E-07	1.74E-03	1.07E-06	3.22E-03	1.51E-07	4.52E-04	6.62E-08	1.99E-04	1.28E-08	3.83E-05	4.84E-08	1.45E-04	6.62E-08	1.99E-04	1.28E-08	3.83E-05	4.84E-08	1.45E-04	3.88E-06	1.16E-02
67561	Methanol	3.57E-07	1.07E-03		2.21E-08	6.63E-05	4.27E-08	1.28E-04	4.91E-09	1.47E-05	2.21E-08	6.64E-05	4.11E-08	1.23E-04	5.75E-09	1.73E-05	2.53E-09	7.59E-06	4.88E-10	1.47E-06	1.85E-09	5.55E-06	2.53E-09	7.59E-06	4.88E-10	1.47E-06	1.85E-09	5.55E-06	1.48E-07	4.45E-04
78933	Methyl Ethyl Ketone	5.95E-08	1.78E-04		3.68E-09	1.11E-05	7.11E-09	2.13E-05	8.18E-10	2.45E-06	3.69E-09	1.11E-05	6.85E-09	2.05E-05	9.59E-10	2.88E-06	4.22E-10	1.27E-06	8.14E-11	2.44E-07	3.08E-10	9.24E-07	4.22E-10	1.27E-06	8.14E-11	2.44E-07	3.08E-10	9.24E-07	2.47E-08	7.42E-05
91203	Naphthalene	1.49E-07	4.46E-04		9.21E-09	2.76E-05	1.78E-08	5.33E-05	2.04E-09	6.13E-06	9.22E-09	2.77E-05	1.71E-08	5.13E-05	2.40E-09	7.19E-06	1.05E-09	3.16E-06	2.04E-10	6.11E-07	7.70E-10	2.31E-06	1.05E-09	3.16E-06	2.04E-10	6.11E-07	7.70E-10	2.31E-06	6.18E-08	1.85E-04
115071	Propylene	9.10E-06	2.73E-02		5.64E-07	1.69E-03	1.09E-06	3.26E-03	1.25E-07	3.75E-04	5.64E-07	1.69E-03	1.05E-06	3.14E-03	1.47E-07	4.40E-04	6.45E-08	1.94E-04	1.25E-08	3.74E-05	4.71E-08	1.41E-04	6.45E-08	1.94E-04	1.25E-08	3.74E-05	4.71E-08	1.41E-04	3.78E-06	1.13E-02
100425	Styrene	3.57E-07	1.07E-03		2.21E-08	6.63E-05	4.27E-08	1.28E-04	4.91E-09	1.47E-05	2.21E-08	6.64E-05	4.11E-08	1.23E-04	5.75E-09	1.73E-05	2.53E-09	7.59E-06	4.88E-10	1.47E-06	1.85E-09	5.55E-06	2.53E-09	7.59E-06	4.88E-10	1.47E-06	1.85E-09	5.55E-06	1.48E-07	4.45E-04
108883	Toluene	2.22E-05	6.65E-02		1.37E-06	4.12E-03	2.65E-06	7.96E-03	3.05E-07	9.15E-04	1.38E-06	4.13E-03	2.55E-06	7.66E-03	3.58E-07	1.07E-03	1.57E-07	4.72E-04	3.04E-08	9.11E-05	1.15E-07	3.45E-04	1.57E-07	4.72E-04	3.04E-08	9.11E-05	1.15E-07	3.45E-04	9.22E-06	2.77E-02
1330207	Xylenes	1.60E-05	4.80E-02		9.91E-07	2.97E-03	1.91E-06	5.74E-03	2.20E-07	6.60E-04	9.91E-07	2.97E-03	1.84E-06	5.52E-03	2.58E-07	7.73E-04	1.13E-07	3.40E-04	2.19E-08	6.57E-05	8.29E-08	2.49E-04	1.13E-07	3.40E-04	2.19E-08	6.57E-05	8.29E-08	2.49E-04	6.65E-06	1.99E-02
9901	Diesel	2.30E-04	6.89E-01		1.42E-05	4.28E-02	2.75E-05	8.25E-02	3.16E-06	9.51E-03	1.43E-05	4.28E-02	2.65E-05	7.95E-02	3.71E-06	1.11E-02	1.63E-06	4.91E-03	3.15E-07	9.55E-04	1.19E-06	3.59E-03	1.63E-06	4.91E-03	3.15E-07	9.55E-04	1.19E-06	3.59E-03	9.56E-05	2.87E-01

	Model Source		Source Col		Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	TEN_IN1		1	1	8	1	8	98	75070	Acetaldehyde	15	19
2	KAN_IN1		2	2	10	2	10	99	107028	Acrolein		
3	WES_IN1		3	3	12	3	12	100	71432	Benzene		
4	TEN_OUT1		4	4	14	4	14	101	106990	1-3,Butadiene		
5	KAN_OUT1		5	5	16	5	16	102	100414	Ethylbenzene		
6	WES_OUT1		6	6	18	6	18	103	50000	Formaldehyde		
7	IN		7	7	20	7	20	104	110543	Hexane		
8	IN2		8	8	22	8	22	105	67561	Methanol		
9	IN3		9	9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	OUT1		10	10	26	10	26	107	91203	Naphthalene		
11	OUT2		11	11	28	11	28	108	115071	Propylene		
12	OUT3		12	12	30	12	30	109	100425	Styrene		
13	Idle		Idle1		8		8	110	108883	Toluene		
14		0	Idle1		9		8	111	1330207	Xylenes		
15		0	Idle1		10		8	112	9901	Diesel		
16		0	Idle1		11		8					
17		0	Idle1		12		8	37		Idle		
18		0	Idle1		13		7	47		TRU		
19	TRU		TRU		7							
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1	8	98	1	1	TEN_IN1	0	0	75070	Acetaldehyde	1	1.55E-04	5.16E-08	1
1	8	99	1	2	TEN_IN1	0	0	107028	Acrolein	1	7.18E-05	2.39E-08	1
1	8	100	1	3	TEN_IN1	0	0	71432	Benzene	1	1.56E-03	5.21E-07	1
1	8	101	1	4	TEN_IN1	0	0	106990	1-3,Butadiene	1	3.04E-04	1.01E-07	1
1	8	102	1	5	TEN_IN1	0	0	100414	Ethylbenzene	1	6.45E-04	2.15E-07	1
1	8	103	1	6	TEN_IN1	0	0	50000	Formaldehyde	1	8.73E-04	2.91E-07	1
1	8	104	1	7	TEN_IN1	0	0	110543	Hexane	1	1.74E-03	5.78E-07	1
1	8	105	1	8	TEN_IN1	0	0	67561	Methanol	1	6.63E-05	2.21E-08	1
1	8	106	1	9	TEN_IN1	0	0	78933	Methyl Ethyl Ketone	1	1.11E-05	3.68E-09	1
1	8	107	1	10	TEN_IN1	0	0	91203	Naphthalene	1	2.76E-05	9.21E-09	1
1	8	108	1	11	TEN_IN1	0	0	115071	Propylene	1	1.69E-03	5.64E-07	1
1	8	109	1	12	TEN_IN1	0	0	100425	Styrene	1	6.63E-05	2.21E-08	1
1	8	110	1	13	TEN_IN1	0	0	108883	Toluene	1	4.12E-03	1.37E-06	1
1	8	111	1	14	TEN_IN1	0	0	1330207	Xylenes	1	2.97E-03	9.91E-07	1
1	8	112	1	15	TEN_IN1	0	0	9901	Diesel	1	4.28E-02	1.42E-05	1
2	10	98	2	1	KAN_IN1	0	0	75070	Acetaldehyde	1	2.99E-04	9.96E-08	1
2	10	99	2	2	KAN_IN1	0	0	107028	Acrolein	1	1.39E-04	4.62E-08	1
2	10	100	2	3	KAN_IN1	0	0	71432	Benzene	1	3.02E-03	1.01E-06	1
2	10	101	2	4	KAN_IN1	0	0	106990	1-3,Butadiene	1	5.87E-04	1.96E-07	1
2	10	102	2	5	KAN_IN1	0	0	100414	Ethylbenzene	1	1.25E-03	4.15E-07	1
2	10	103	2	6	KAN_IN1	0	0	50000	Formaldehyde	1	1.69E-03	5.62E-07	1
2	10	104	2	7	KAN_IN1	0	0	110543	Hexane	1	3.35E-03	1.12E-06	1
2	10	105	2	8	KAN_IN1	0	0	67561	Methanol	1	1.28E-04	4.27E-08	1
2	10	106	2	9	KAN_IN1	0	0	78933	Methyl Ethyl Ketone	1	2.13E-05	7.11E-09	1
2	10	107	2	10	KAN_IN1	0	0	91203	Naphthalene	1	5.33E-05	1.78E-08	1
2	10	108	2	11	KAN_IN1	0	0	115071	Propylene	1	3.26E-03	1.09E-06	1
2	10	109	2	12	KAN_IN1	0	0	100425	Styrene	1	1.28E-04	4.27E-08	1
2	10	110	2	13	KAN_IN1	0	0	108883	Toluene	1	7.96E-03	2.65E-06	1
2	10	111	2	14	KAN_IN1	0	0	1330207	Xylenes	1	5.74E-03	1.91E-06	1
2	10	112	2	15	KAN_IN1	0	0	9901	Diesel	1	8.25E-02	2.75E-05	1
3	12	98	3	1	WES_IN1	0	0	75070	Acetaldehyde	1	3.43E-05	1.14E-08	1
3	12	99	3	2	WES_IN1	0	0	107028	Acrolein	1	1.59E-05	5.32E-09	1
3	12	100	3	3	WES_IN1	0	0	71432	Benzene	1	3.47E-04	1.16E-07	1
3	12	101	3	4	WES_IN1	0	0	106990	1-3,Butadiene	1	6.75E-05	2.25E-08	1
3	12	102	3	5	WES_IN1	0	0	100414	Ethylbenzene	1	1.43E-04	4.78E-08	1
3	12	103	3	6	WES_IN1	0	0	50000	Formaldehyde	1	1.94E-04	6.46E-08	1
3	12	104	3	7	WES_IN1	0	0	110543	Hexane	1	3.85E-04	1.28E-07	1
3	12	105	3	8	WES_IN1	0	0	67561	Methanol	1	1.47E-05	4.91E-09	1
3	12	106	3	9	WES_IN1	0	0	78933	Methyl Ethyl Ketone	1	2.45E-06	8.18E-10	1
3	12	107	3	10	WES_IN1	0	0	91203	Naphthalene	1	6.13E-06	2.04E-09	1
3	12	108	3	11	WES_IN1	0	0	115071	Propylene	1	3.75E-04	1.25E-07	1
3	12	109	3	12	WES_IN1	0	0	100425	Styrene	1	1.47E-05	4.91E-09	1
3	12	110	3	13	WES_IN1	0	0	108883	Toluene	1	9.15E-04	3.05E-07	1
3	12	111	3	14	WES_IN1	0	0	1330207	Xylenes	1	6.60E-04	2.20E-07	1
3	12	112	3	15	WES_IN1	0	0	9901	Diesel	1	9.51E-03	3.16E-06	1
4	14	98	4	1	TEN_OUT1	0	0	75070	Acetaldehyde	1	1.55E-04	5.16E-08	1
4	14	99	4	2	TEN_OUT1	0	0	107028	Acrolein	1	7.19E-05	2.40E-08	1
4	14	100	4	3	TEN_OUT1	0	0	71432	Benzene	1	1.57E-03	5.22E-07	1
4	14	101	4	4	TEN_OUT1	0	0	106990	1-3,Butadiene	1	3.04E-04	1.01E-07	1
4	14	102	4	5	TEN_OUT1	0	0	100414	Ethylbenzene	1	6.46E-04	2.15E-07	1
4	14	103	4	6	TEN_OUT1	0	0	50000	Formaldehyde	1	8.74E-04	2.91E-07	1
4	14	104	4	7	TEN_OUT1	0	0	110543	Hexane	1	1.74E-03	5.79E-07	1
4	14	105	4	8	TEN_OUT1	0	0	67561	Methanol	1	6.64E-05	2.21E-08	1
4	14	106	4	9	TEN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.11E-05	3.69E-09	1
4	14	107	4	10	TEN_OUT1	0	0	91203	Naphthalene	1	2.77E-05	9.22E-09	1
4	14	108	4	11	TEN_OUT1	0	0	115071	Propylene	1	1.69E-03	5.64E-07	1
4	14	109	4	12	TEN_OUT1	0	0	100425	Styrene	1	6.64E-05	2.21E-08	1
4	14	110	4	13	TEN_OUT1	0	0	108883	Toluene	1	4.13E-03	1.38E-06	1
4	14	111	4	14	TEN_OUT1	0	0	1330207	Xylenes	1	2.97E-03	9.91E-07	1
4	14	112	4	15	TEN_OUT1	0	0	9901	Diesel	1	4.28E-02	1.43E-05	1
5	16	98	5	1	KAN_OUT1	0	0	75070	Acetaldehyde	1	2.88E-04	9.58E-08	1
5	16	99	5	2	KAN_OUT1	0	0	107028	Acrolein	1	1.33E-04	4.45E-08	1
5	16	100	5	3	KAN_OUT1	0	0	71432	Benzene	1	2.91E-03	9.69E-07	1
5	16	101	5	4	KAN_OUT1	0	0	106990	1-3,Butadiene	1	5.65E-04	1.88E-07	1
5	16	102	5	5	KAN_OUT1	0	0	100414	Ethylbenzene	1	1.20E-03	4.00E-07	1
5	16	103	5	6	KAN_OUT1	0	0	50000	Formaldehyde	1	1.62E-03	5.41E-07	1
5	16	104	5	7	KAN_OUT1	0	0	110543	Hexane	1	3.22E-03	1.07E-06	1
5	16	105	5	8	KAN_OUT1	0	0	67561	Methanol	1	1.23E-04	4.11E-08	1
5	16	106	5	9	KAN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	2.05E-05	6.85E-09	1
5	16	107	5	10	KAN_OUT1	0	0	91203	Naphthalene	1	5.13E-05	1.71E-08	1
5	16	108	5	11	KAN_OUT1	0	0	115071	Propylene	1	3.14E-03	1.05E-06	1
5	16	109	5	12	KAN_OUT1	0	0	100425	Styrene	1	1.23E-04	4.11E-08	1
5	16	110	5	13	KAN_OUT1	0	0	108883	Toluene	1	7.66E-03	2.55E-06	1
5	16	111	5	14	KAN_OUT1	0	0	1330207	Xylenes	1	5.52E-03	1.84E-06	1
5	16	112	5	15	KAN_OUT1	0	0	9901	Diesel	1	7.95E-02	2.65E-05	1
6	18	98	6	1	WES_OUT1	0	0	75070	Acetaldehyde	1	4.03E-05	1.34E-08	1
6	18	99	6	2	WES_OUT1	0	0	107028	Acrolein	1	1.87E-05	6.23E-09	1
6	18	100	6	3	WES_OUT1	0	0	71432	Benzene	1	4.07E-04	1.36E-07	1
6	18	101	6	4	WES_OUT1	0	0	106990	1-3,Butadiene	1	7.91E-05	2.64E-08	1
6	18	102	6	5	WES_OUT1	0	0	100414	Ethylbenzene	1	1.68E-04	5.60E-08	1
6	18	103	6	6	WES_OUT1	0	0	50000	Formaldehyde	1	2.27E-04	7.57E-08	1
6	18	104	6	7	WES_OUT1	0	0	110543	Hexane	1	4.52E-04	1.51E-07	1
6	18	105	6	8	WES_OUT1	0	0	67561	Methanol	1	1.73E-05	5.75E-09	1
6	18	106	6	9	WES_OUT1	0	0	78933	Methyl Ethyl Ketone	1	2.88E-06	9.59E-10	1
6	18	107	6	10	WES_OUT1	0	0	91203	Naphthalene	1	7.19E-06	2.40E-09	1
6	18	108	6	11	WES_OUT1	0	0	115071	Propylene	1	4.40E-04	1.47E-07	1
6	18	109	6	12	WES_OUT1	0	0	100425	Styrene	1	1.73E-05	5.75E-09	1
6	18	110	6	13	WES_OUT1	0	0	108883	Toluene	1	1.07E-03	3.58E-07	1
6	18	111	6	14	WES_OUT1	0	0	1330207	Xylenes	1	7.73E-04	2.58E-07	1
6	18	112	6	15	WES_OUT1	0	0	9901	Diesel	1	1.11E-02	3.71E-06	1
7	20	98	7	1	IN	0	0	75070	Acetaldehyde	1	1.77E-05	5.90E-09	1
7	20	99	7	2	IN	0	0	107028	Acrolein	1	8.22E-06	2.74E-09	1
7	20	100	7	3	IN	0	0	71432	Benzene	1	1.79E-04	5.97E-08	1
7	20	101	7	4	IN	0	0	106990	1-3,Butadiene	1	3.48E-05	1.16E-08	1
7	20	102	7	5	IN	0	0	100414	Ethylbenzene	1	7.39E-05	2.46E-08	1
7	20	103	7	6	IN	0	0	50000	Formaldehyde	1	9.99E-05	3.33E-08	1
7	20	104	7	7	IN	0	0	110543	Hexane	1	1.99E-04	6.62E-08	1
7	20	105	7	8	IN	0	0	67561	Methanol	1	7.59E-06	2.53E-09	1
7	20	106	7	9	IN	0	0	78933	Methyl Ethyl Ketone	1	1.27E-06	4.22E-10	1
7	20	107	7	10	IN	0	0	91203	Naphthalene	1	3.16E-06	1.05E-09	1
7	20	108	7	11	IN	0	0	115071	Propylene	1	1.94E-04	6.45E-08	1
7	20	109	7	12	IN	0	0	100425	Styrene	1	7.59E-06	2.53E-09	1
7	20	110	7	13	IN	0	0	108883	Toluene	1	4.72E-04	1.57E-07	1
7	20	111	7	14	IN	0	0	1330207	Xylenes	1	3.40E-04	1.13E-07	1
7	20	112	7	15	IN	0	0	9901	Diesel	1	4.91E-03	1.63E-06	1
8	22	98	8	1	IN2	0	0	75070	Acetaldehyde	1	3.42E-06	1.14E-09	1
8	22	99	8	2	IN2	0	0	107028	Acrolein	1	1.59E-06	5.29E-10	1
8	22	100	8	3	IN2	0	0	71432	Benzene	1	3.46E-05	1.15E-08	1
8	22	101	8	4	IN2	0	0	106990	1-3,Butadiene	1	6.72E-06	2.24E-09	1
8	22	102	8	5	IN2	0	0	100414	Ethylbenzene	1	1.43E-05	4.75E-09	1
8	22	103	8	6	IN2	0	0	50000	Formaldehyde	1	1.93E-05	6.43E-09	1
8	22	104	8	7	IN2	0	0	110543	Hexane	1	3.83E-05	1.28E-08	1
8	22	105	8	8	IN2	0	0	67561	Methanol	1	1.47E-06	4.88E-10	1
8	22	106	8	9	IN2	0	0	78933	Methyl Ethyl Ketone	1	2.44E-07	8.14E-11	1
8	22	107	8	10	IN2	0	0	91203	Naphthalene	1	6.11E-07	2.04E-10	1
8	22	108	8	11	IN2	0	0	115071	Propylene	1	3.74E-05	1.25E-08	1
8	22	109	8	12	IN2	0	0	100425	Styrene	1	1.47E-06	4.88E-10	1
8	22	110	8	13	IN2	0	0	108883	Toluene	1	9.11E-05	3.04E-08	1
8	22	111	8	14	IN2	0	0	1330207	Xylenes	1	6.57E-05	2.19E-08	1
8	22	112	8	15	IN2	0	0	9901	Diesel	1	9.55E-04	3.15E-07	1
9	24	98	9	1	IN3	0	0	75070	Acetaldehyde	1	1.29E-05	4.31E-09	1
9	24	99	9	2	IN3	0	0	107028	Acrolein	1	6.01E-06	2.00E-09	1
9	24	100	9	3	IN3	0	0	71432	Benzene	1	1.31E-04	4.36E-08	1
9	24	101	9	4	IN3	0	0	106990	1-3,Butadiene	1	2.54E-05	8.47E-09	1
9	24	102	9	5	IN3	0	0	100414	Ethylbenzene	1	5.40E-05	1.80E-08	1
9	24	103	9	6	IN3	0	0	50000	Formaldehyde	1	7.30E-05	2.43E-08	1
9	24	104	9	7	IN3	0	0	110543	Hexane	1	1.45E-04	4.84E-08	1
9	24	105	9	8	IN3	0	0	67561	Methanol	1	5.55E-06	1.85E-09	1
9	24	106	9	9	IN3	0	0	78933	Methyl Ethyl Ketone	1	9.24E-07	3.08E-10	1
9	24	107	9	10	IN3	0	0	91203	Naphthalene	1	2.31E-06	7.70E-10	1
9	24	108	9	11	IN3	0	0	115071	Propylene	1	1.41E-04	4.71E-08	1
9	24	109	9	12	IN3	0	0	100425	Styrene	1	5.55E-06	1.85E-09	1
9	24	110	9	13	IN3	0	0	108883	Toluene	1	3.45E-04	1.15E-07	1
9	24	111	9	14	IN3	0	0	1330207	Xylenes	1	2.49E-04	8.29E-08	1
9	24	112	9	15	IN3	0	0	9901	Diesel	1	3.59E-03	1.19E-06	1
10	26	98	10	1	OUT1	0	0	75070	Acetaldehyde	1	1.77E-05	5.90E-09	1
10	26	99	10	2	OUT1	0	0	107028	Acrolein	1	8.22E-06	2.74E-09	1
10	26	100	10	3	OUT1	0	0	71432	Benzene	1	1.79E-04	5.97E-08	1
10	26	101	10	4	OUT1	0	0	106990	1-3,Butadiene	1	3.48E-05	1.16E-08	1
10	26	102	10	5	OUT1	0	0	100414	Ethylbenzene	1	7.39E-05	2.46E-08	1
10	26	103	10	6	OUT1	0	0	50000	Formaldehyde	1	9.99E-05	3.33E-08	1
10	26	104	10	7	OUT1	0	0	110543	Hexane	1	1.99E-04	6.62E-08	1
10	26	105	10	8	OUT1	0	0	67561	Methanol	1	7.59E-06	2.53E-09	1
10	26	106	10	9	OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.27E-06	4.22E-10	1
10	26	107	10	10	OUT1	0	0	91203	Naphthalene	1	3.16E-06	1.05E-09	1
10	26	108	10	11	OUT1	0	0	115071	Propylene	1	1.94E-04	6.45E-08	1

10	26	109	10	12	OUT1	0	0	100425	Styrene	1	7.59E-06	2.53E-09	1
10	26	110	10	13	OUT1	0	0	108883	Toluene	1	4.72E-04	1.57E-07	1
10	26	111	10	14	OUT1	0	0	1330207	Xylenes	1	3.40E-04	1.13E-07	1
10	26	112	10	15	OUT1	0	0	9901	Diesel	1	4.91E-03	1.63E-06	1
11	28	98	11	1	OUT2	0	0	75070	Acetaldehyde	1	3.42E-06	1.14E-09	1
11	28	99	11	2	OUT2	0	0	107028	Acrolein	1	1.59E-06	5.29E-10	1
11	28	100	11	3	OUT2	0	0	71432	Benzene	1	3.46E-05	1.15E-08	1
11	28	101	11	4	OUT2	0	0	106990	1-3,Butadiene	1	6.72E-06	2.24E-09	1
11	28	102	11	5	OUT2	0	0	100414	Ethylbenzene	1	1.43E-05	4.75E-09	1
11	28	103	11	6	OUT2	0	0	50000	Formaldehyde	1	1.93E-05	6.43E-09	1
11	28	104	11	7	OUT2	0	0	110543	Hexane	1	3.83E-05	1.28E-08	1
11	28	105	11	8	OUT2	0	0	67561	Methanol	1	1.47E-06	4.88E-10	1
11	28	106	11	9	OUT2	0	0	78933	Methyl Ethyl Ketone	1	2.44E-07	8.14E-11	1
11	28	107	11	10	OUT2	0	0	91203	Naphthalene	1	6.11E-07	2.04E-10	1
11	28	108	11	11	OUT2	0	0	115071	Propylene	1	3.74E-05	1.25E-08	1
11	28	109	11	12	OUT2	0	0	100425	Styrene	1	1.47E-06	4.88E-10	1
11	28	110	11	13	OUT2	0	0	108883	Toluene	1	9.11E-05	3.04E-08	1
11	28	111	11	14	OUT2	0	0	1330207	Xylenes	1	6.57E-05	2.19E-08	1
11	28	112	11	15	OUT2	0	0	9901	Diesel	1	9.55E-04	3.15E-07	1
12	30	98	12	1	OUT3	0	0	75070	Acetaldehyde	1	1.29E-05	4.31E-09	1
12	30	99	12	2	OUT3	0	0	107028	Acrolein	1	6.01E-06	2.00E-09	1
12	30	100	12	3	OUT3	0	0	71432	Benzene	1	1.31E-04	4.36E-08	1
12	30	101	12	4	OUT3	0	0	106990	1-3,Butadiene	1	2.54E-05	8.47E-09	1
12	30	102	12	5	OUT3	0	0	100414	Ethylbenzene	1	5.40E-05	1.80E-08	1
12	30	103	12	6	OUT3	0	0	50000	Formaldehyde	1	7.30E-05	2.43E-08	1
12	30	104	12	7	OUT3	0	0	110543	Hexane	1	1.45E-04	4.84E-08	1
12	30	105	12	8	OUT3	0	0	67561	Methanol	1	5.55E-06	1.85E-09	1
12	30	106	12	9	OUT3	0	0	78933	Methyl Ethyl Ketone	1	9.24E-07	3.08E-10	1
12	30	107	12	10	OUT3	0	0	91203	Naphthalene	1	2.31E-06	7.70E-10	1
12	30	108	12	11	OUT3	0	0	115071	Propylene	1	1.41E-04	4.71E-08	1
12	30	109	12	12	OUT3	0	0	100425	Styrene	1	5.55E-06	1.85E-09	1
12	30	110	12	13	OUT3	0	0	108883	Toluene	1	3.45E-04	1.15E-07	1
12	30	111	12	14	OUT3	0	0	1330207	Xylenes	1	2.49E-04	8.29E-08	1
12	30	112	12	15	OUT3	0	0	9901	Diesel	1	3.59E-03	1.19E-06	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	2.10E-02	0.00E+00	1
Idle	9	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	13	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	13	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	13	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	13	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	13	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	13	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	13	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	13	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	13	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	13	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU	7	98	19	1	TRU	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	99	19	2	TRU	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU	7	100	19	3	TRU	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU	7	101	19	4	TRU	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	7	102	19	5	TRU	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	7	103	19	6	TRU	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	7	104	19	7	TRU	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU	7	105	19	8	TRU	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU	7	106	19	9	TRU	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	7	107	19	10	TRU	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU	7	108	19	11	TRU	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
TRU	7	109	19	12	TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	7	110	19	13	TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	7	111	19	14	TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	7	47	19	15	TRU	0	0	9901	Diesel	1	2.34E+00	0.00E+00	1

TEN_IN1	0	0	75070	Acetaldehyde	1	1.98E-03	6.62E-07	1
TEN_IN1	0	0	107028	Acrolein	1	9.21E-04	3.07E-07	1
TEN_IN1	0	0	71432	Benzene	1	2.01E-02	6.69E-06	1
TEN_IN1	0	0	106990	1-3,Butadiene	1	3.90E-03	1.30E-06	1
TEN_IN1	0	0	100414	Ethylbenzene	1	8.28E-03	2.76E-06	1
TEN_IN1	0	0	50000	Formaldehyde	1	1.12E-02	3.73E-06	1
TEN_IN1	0	0	110543	Hexane	1	2.23E-02	7.42E-06	1
TEN_IN1	0	0	67561	Methanol	1	8.51E-04	2.84E-07	1
TEN_IN1	0	0	78933	Methyl Ethyl Ketone	1	1.42E-04	4.73E-08	1
TEN_IN1	0	0	91203	Naphthalene	1	3.54E-04	1.18E-07	1
TEN_IN1	0	0	115071	Propylene	1	2.17E-02	7.23E-06	1
TEN_IN1	0	0	100425	Styrene	1	8.51E-04	2.84E-07	1
TEN_IN1	0	0	108883	Toluene	1	5.29E-02	1.76E-05	1
TEN_IN1	0	0	1330207	Xylenes	1	3.81E-02	1.27E-05	1
TEN_IN1	0	0	9901	Diesel	1	5.48E-01	1.83E-04	1
KAN_IN1	0	0	75070	Acetaldehyde	1	3.83E-03	1.28E-06	1
KAN_IN1	0	0	107028	Acrolein	1	1.78E-03	5.93E-07	1
KAN_IN1	0	0	71432	Benzene	1	3.87E-02	1.29E-05	1
KAN_IN1	0	0	106990	1-3,Butadiene	1	7.53E-03	2.51E-06	1
KAN_IN1	0	0	100414	Ethylbenzene	1	1.60E-02	5.33E-06	1
KAN_IN1	0	0	50000	Formaldehyde	1	2.16E-02	7.21E-06	1
KAN_IN1	0	0	110543	Hexane	1	4.30E-02	1.43E-05	1
KAN_IN1	0	0	67561	Methanol	1	1.64E-03	5.47E-07	1
KAN_IN1	0	0	78933	Methyl Ethyl Ketone	1	2.74E-04	9.12E-08	1
KAN_IN1	0	0	91203	Naphthalene	1	6.84E-04	2.28E-07	1
KAN_IN1	0	0	115071	Propylene	1	4.19E-02	1.40E-05	1
KAN_IN1	0	0	100425	Styrene	1	1.64E-03	5.47E-07	1
KAN_IN1	0	0	108883	Toluene	1	1.02E-01	3.40E-05	1
KAN_IN1	0	0	1330207	Xylenes	1	7.36E-02	2.45E-05	1
KAN_IN1	0	0	9901	Diesel	1	1.06E+00	3.53E-04	1
WES_IN1	0	0	75070	Acetaldehyde	1	4.41E-04	1.47E-07	1
WES_IN1	0	0	107028	Acrolein	1	2.05E-04	6.82E-08	1
WES_IN1	0	0	71432	Benzene	1	4.45E-03	1.48E-06	1
WES_IN1	0	0	106990	1-3,Butadiene	1	8.65E-04	2.88E-07	1
WES_IN1	0	0	100414	Ethylbenzene	1	1.84E-03	6.13E-07	1
WES_IN1	0	0	50000	Formaldehyde	1	2.49E-03	8.29E-07	1
WES_IN1	0	0	110543	Hexane	1	4.94E-03	1.65E-06	1
WES_IN1	0	0	67561	Methanol	1	1.89E-04	6.29E-08	1
WES_IN1	0	0	78933	Methyl Ethyl Ketone	1	3.15E-05	1.05E-08	1
WES_IN1	0	0	91203	Naphthalene	1	7.87E-05	2.62E-08	1
WES_IN1	0	0	115071	Propylene	1	4.82E-03	1.61E-06	1
WES_IN1	0	0	100425	Styrene	1	1.89E-04	6.29E-08	1
WES_IN1	0	0	108883	Toluene	1	1.17E-02	3.91E-06	1
WES_IN1	0	0	1330207	Xylenes	1	8.46E-03	2.82E-06	1
WES_IN1	0	0	9901	Diesel	1	1.22E-01	4.05E-05	1
TEN_OUT1	0	0	75070	Acetaldehyde	1	1.99E-03	6.62E-07	1

TEN_OUT1	0	0	107028	Acrolein	1	9.22E-04	3.07E-07	1
TEN_OUT1	0	0	71432	Benzene	1	2.01E-02	6.69E-06	1
TEN_OUT1	0	0	106990	1-3,Butadiene	1	3.90E-03	1.30E-06	1
TEN_OUT1	0	0	100414	Ethylbenzene	1	8.29E-03	2.76E-06	1
TEN_OUT1	0	0	50000	Formaldehyde	1	1.12E-02	3.74E-06	1
TEN_OUT1	0	0	110543	Hexane	1	2.23E-02	7.43E-06	1
TEN_OUT1	0	0	67561	Methanol	1	8.51E-04	2.84E-07	1
TEN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.42E-04	4.73E-08	1
TEN_OUT1	0	0	91203	Naphthalene	1	3.55E-04	1.18E-07	1
TEN_OUT1	0	0	115071	Propylene	1	2.17E-02	7.24E-06	1
TEN_OUT1	0	0	100425	Styrene	1	8.51E-04	2.84E-07	1
TEN_OUT1	0	0	108883	Toluene	1	5.29E-02	1.76E-05	1
TEN_OUT1	0	0	1330207	Xylenes	1	3.82E-02	1.27E-05	1
TEN_OUT1	0	0	9901	Diesel	1	5.49E-01	1.83E-04	1
KAN_OUT1	0	0	75070	Acetaldehyde	1	3.69E-03	1.23E-06	1
KAN_OUT1	0	0	107028	Acrolein	1	1.71E-03	5.71E-07	1
KAN_OUT1	0	0	71432	Benzene	1	3.73E-02	1.24E-05	1
KAN_OUT1	0	0	106990	1-3,Butadiene	1	7.24E-03	2.41E-06	1
KAN_OUT1	0	0	100414	Ethylbenzene	1	1.54E-02	5.13E-06	1
KAN_OUT1	0	0	50000	Formaldehyde	1	2.08E-02	6.94E-06	1
KAN_OUT1	0	0	110543	Hexane	1	4.14E-02	1.38E-05	1
KAN_OUT1	0	0	67561	Methanol	1	1.58E-03	5.27E-07	1
KAN_OUT1	0	0	78933	Methyl Ethyl Ketone	1	2.63E-04	8.78E-08	1
KAN_OUT1	0	0	91203	Naphthalene	1	6.59E-04	2.20E-07	1
KAN_OUT1	0	0	115071	Propylene	1	4.03E-02	1.34E-05	1
KAN_OUT1	0	0	100425	Styrene	1	1.58E-03	5.27E-07	1
KAN_OUT1	0	0	108883	Toluene	1	9.83E-02	3.28E-05	1
KAN_OUT1	0	0	1330207	Xylenes	1	7.08E-02	2.36E-05	1
KAN_OUT1	0	0	9901	Diesel	1	1.02E+00	3.39E-04	1
WES_OUT1	0	0	75070	Acetaldehyde	1	5.16E-04	1.72E-07	1
WES_OUT1	0	0	107028	Acrolein	1	2.40E-04	7.99E-08	1
WES_OUT1	0	0	71432	Benzene	1	5.22E-03	1.74E-06	1
WES_OUT1	0	0	106990	1-3,Butadiene	1	1.01E-03	3.38E-07	1
WES_OUT1	0	0	100414	Ethylbenzene	1	2.15E-03	7.18E-07	1
WES_OUT1	0	0	50000	Formaldehyde	1	2.91E-03	9.71E-07	1
WES_OUT1	0	0	110543	Hexane	1	5.79E-03	1.93E-06	1
WES_OUT1	0	0	67561	Methanol	1	2.21E-04	7.38E-08	1
WES_OUT1	0	0	78933	Methyl Ethyl Ketone	1	3.69E-05	1.23E-08	1
WES_OUT1	0	0	91203	Naphthalene	1	9.22E-05	3.07E-08	1
WES_OUT1	0	0	115071	Propylene	1	5.64E-03	1.88E-06	1
WES_OUT1	0	0	100425	Styrene	1	2.21E-04	7.38E-08	1
WES_OUT1	0	0	108883	Toluene	1	1.38E-02	4.59E-06	1
WES_OUT1	0	0	1330207	Xylenes	1	9.92E-03	3.31E-06	1
WES_OUT1	0	0	9901	Diesel	1	1.43E-01	4.75E-05	1
IN	0	0	75070	Acetaldehyde	1	2.27E-04	7.57E-08	1
IN	0	0	107028	Acrolein	1	1.05E-04	3.52E-08	1
IN	0	0	71432	Benzene	1	2.30E-03	7.65E-07	1

IN	0	0	106990	1-3,Butadiene	1	4.46E-04	1.49E-07	1
IN	0	0	100414	Ethylbenzene	1	9.48E-04	3.16E-07	1
IN	0	0	50000	Formaldehyde	1	1.28E-03	4.27E-07	1
IN	0	0	110543	Hexane	1	2.55E-03	8.49E-07	1
IN	0	0	67561	Methanol	1	9.74E-05	3.25E-08	1
IN	0	0	78933	Methyl Ethyl Ketone	1	1.62E-05	5.41E-09	1
IN	0	0	91203	Naphthalene	1	4.06E-05	1.35E-08	1
IN	0	0	115071	Propylene	1	2.48E-03	8.28E-07	1
IN	0	0	100425	Styrene	1	9.74E-05	3.25E-08	1
IN	0	0	108883	Toluene	1	6.05E-03	2.02E-06	1
IN	0	0	1330207	Xylenes	1	4.36E-03	1.45E-06	1
IN	0	0	9901	Diesel	1	6.28E-02	2.09E-05	1
IN2	0	0	75070	Acetaldehyde	1	4.39E-05	1.46E-08	1
IN2	0	0	107028	Acrolein	1	2.04E-05	6.79E-09	1
IN2	0	0	71432	Benzene	1	4.43E-04	1.48E-07	1
IN2	0	0	106990	1-3,Butadiene	1	8.62E-05	2.87E-08	1
IN2	0	0	100414	Ethylbenzene	1	1.83E-04	6.10E-08	1
IN2	0	0	50000	Formaldehyde	1	2.47E-04	8.25E-08	1
IN2	0	0	110543	Hexane	1	4.92E-04	1.64E-07	1
IN2	0	0	67561	Methanol	1	1.88E-05	6.27E-09	1
IN2	0	0	78933	Methyl Ethyl Ketone	1	3.13E-06	1.04E-09	1
IN2	0	0	91203	Naphthalene	1	7.83E-06	2.61E-09	1
IN2	0	0	115071	Propylene	1	4.79E-04	1.60E-07	1
IN2	0	0	100425	Styrene	1	1.88E-05	6.27E-09	1
IN2	0	0	108883	Toluene	1	1.17E-03	3.90E-07	1
IN2	0	0	1330207	Xylenes	1	8.42E-04	2.81E-07	1
IN2	0	0	9901	Diesel	1	1.21E-02	4.04E-06	1
IN3	0	0	75070	Acetaldehyde	1	1.66E-04	5.53E-08	1
IN3	0	0	107028	Acrolein	1	7.71E-05	2.57E-08	1
IN3	0	0	71432	Benzene	1	1.68E-03	5.59E-07	1
IN3	0	0	106990	1-3,Butadiene	1	3.26E-04	1.09E-07	1
IN3	0	0	100414	Ethylbenzene	1	6.92E-04	2.31E-07	1
IN3	0	0	50000	Formaldehyde	1	9.37E-04	3.12E-07	1
IN3	0	0	110543	Hexane	1	1.86E-03	6.20E-07	1
IN3	0	0	67561	Methanol	1	7.11E-05	2.37E-08	1
IN3	0	0	78933	Methyl Ethyl Ketone	1	1.19E-05	3.95E-09	1
IN3	0	0	91203	Naphthalene	1	2.96E-05	9.88E-09	1
IN3	0	0	115071	Propylene	1	1.81E-03	6.05E-07	1
IN3	0	0	100425	Styrene	1	7.11E-05	2.37E-08	1
IN3	0	0	108883	Toluene	1	4.42E-03	1.47E-06	1
IN3	0	0	1330207	Xylenes	1	3.19E-03	1.06E-06	1
IN3	0	0	9901	Diesel	1	4.59E-02	1.53E-05	1
OUT1	0	0	75070	Acetaldehyde	1	2.27E-04	7.57E-08	1
OUT1	0	0	107028	Acrolein	1	1.05E-04	3.52E-08	1
OUT1	0	0	71432	Benzene	1	2.30E-03	7.65E-07	1
OUT1	0	0	106990	1-3,Butadiene	1	4.46E-04	1.49E-07	1
OUT1	0	0	100414	Ethylbenzene	1	9.48E-04	3.16E-07	1

OUT1	0	0	50000	Formaldehyde	1	1.28E-03	4.27E-07	1
OUT1	0	0	110543	Hexane	1	2.55E-03	8.49E-07	1
OUT1	0	0	67561	Methanol	1	9.74E-05	3.25E-08	1
OUT1	0	0	78933	Methyl Ethyl Ketone	1	1.62E-05	5.41E-09	1
OUT1	0	0	91203	Naphthalene	1	4.06E-05	1.35E-08	1
OUT1	0	0	115071	Propylene	1	2.48E-03	8.28E-07	1
OUT1	0	0	100425	Styrene	1	9.74E-05	3.25E-08	1
OUT1	0	0	108883	Toluene	1	6.05E-03	2.02E-06	1
OUT1	0	0	1330207	Xylenes	1	4.36E-03	1.45E-06	1
OUT1	0	0	9901	Diesel	1	6.28E-02	2.09E-05	1
OUT2	0	0	75070	Acetaldehyde	1	4.39E-05	1.46E-08	1
OUT2	0	0	107028	Acrolein	1	2.04E-05	6.79E-09	1
OUT2	0	0	71432	Benzene	1	4.43E-04	1.48E-07	1
OUT2	0	0	106990	1-3,Butadiene	1	8.62E-05	2.87E-08	1
OUT2	0	0	100414	Ethylbenzene	1	1.83E-04	6.10E-08	1
OUT2	0	0	50000	Formaldehyde	1	2.47E-04	8.25E-08	1
OUT2	0	0	110543	Hexane	1	4.92E-04	1.64E-07	1
OUT2	0	0	67561	Methanol	1	1.88E-05	6.27E-09	1
OUT2	0	0	78933	Methyl Ethyl Ketone	1	3.13E-06	1.04E-09	1
OUT2	0	0	91203	Naphthalene	1	7.83E-06	2.61E-09	1
OUT2	0	0	115071	Propylene	1	4.79E-04	1.60E-07	1
OUT2	0	0	100425	Styrene	1	1.88E-05	6.27E-09	1
OUT2	0	0	108883	Toluene	1	1.17E-03	3.90E-07	1
OUT2	0	0	1330207	Xylenes	1	8.42E-04	2.81E-07	1
OUT2	0	0	9901	Diesel	1	1.21E-02	4.04E-06	1
OUT3	0	0	75070	Acetaldehyde	1	1.66E-04	5.53E-08	1
OUT3	0	0	107028	Acrolein	1	7.71E-05	2.57E-08	1
OUT3	0	0	71432	Benzene	1	1.68E-03	5.59E-07	1
OUT3	0	0	106990	1-3,Butadiene	1	3.26E-04	1.09E-07	1
OUT3	0	0	100414	Ethylbenzene	1	6.92E-04	2.31E-07	1
OUT3	0	0	50000	Formaldehyde	1	9.37E-04	3.12E-07	1
OUT3	0	0	110543	Hexane	1	1.86E-03	6.20E-07	1
OUT3	0	0	67561	Methanol	1	7.11E-05	2.37E-08	1
OUT3	0	0	78933	Methyl Ethyl Ketone	1	1.19E-05	3.95E-09	1
OUT3	0	0	91203	Naphthalene	1	2.96E-05	9.88E-09	1
OUT3	0	0	115071	Propylene	1	1.81E-03	6.05E-07	1
OUT3	0	0	100425	Styrene	1	7.11E-05	2.37E-08	1
OUT3	0	0	108883	Toluene	1	4.42E-03	1.47E-06	1
OUT3	0	0	1330207	Xylenes	1	3.19E-03	1.06E-06	1
OUT3	0	0	9901	Diesel	1	4.59E-02	1.53E-05	1
Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1

Idle		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle		0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle		0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle		0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle		0	0	9901	Diesel	1	1.40E-01	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1

	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
TRU		0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
TRU		0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
TRU		0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU		0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU		0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
TRU		0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
TRU		0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
TRU		0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU		0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
TRU		0	0	115071	Propylene	1	0.00E+00	0.00E+00	1

TRU	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
TRU	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
TRU	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
TRU	0	0	9901	Diesel	1	2.34E+00	0.00E+00	1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
San Bernardino	2023	HHDT	Aggregate	5	Diesel	0.011583926	0.012107699
San Bernardino	2023	HHDT	Aggregate	10	Diesel	0.011861222	0.012397534
San Bernardino	2023	HHDT	Aggregate	15	Diesel	0.008971905	0.009377574
					Average	0.010805684	0.011294269
San Bernardino	2023	LDT1	Aggregate	5	Diesel	0.995952941	1.040985514
San Bernardino	2023	LDT1	Aggregate	10	Diesel	0.678651036	0.709336624
San Bernardino	2023	LDT1	Aggregate	15	Diesel	0.49261466	0.514888509
San Bernardino	2023	LDT2	Aggregate	5	Diesel	0.02172618	0.022708542
San Bernardino	2023	LDT2	Aggregate	10	Diesel	0.015701635	0.016411593
San Bernardino	2023	LDT2	Aggregate	15	Diesel	0.012393281	0.01295365
					Average	0.369506622	0.386214072
San Bernardino	2023	MHDT	Aggregate	5	Diesel	0.038188036	0.03991473
San Bernardino	2023	MHDT	Aggregate	10	Diesel	0.030692867	0.032080662
San Bernardino	2023	MHDT	Aggregate	15	Diesel	0.020091876	0.021000341
					Average	0.029657593	0.030998578

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
San Bernardino	2023	LDA	Aggregate	Aggregate	Gasoline	773664.0019	33073440.07	33073440.07	0%	3594279.083	0.001215043	0.001321457	0.014546552	0.238651766
San Bernardino	2023	LDA	Aggregate	Aggregate	Diesel	2221.377014	77366.16142	77366.16142	66%	9541.620731	0.018899446	0.019753995	0.034363422	0
							33150806.23	67.9%						
San Bernardino	2023	LDT1	Aggregate	Aggregate	Gasoline	73981.30063	2503906.499	2503906.499	0%	318282.9673	0.002223713	0.002418354	0.068029965	0.768706396
San Bernardino	2023	LDT1	Aggregate	Aggregate	Diesel	29.71832479	424.1576698	424.1576698	0.4%	86.28629252	0.240668038	0.251549979	0.350404872	0
San Bernardino	2023	LDT2	Aggregate	Aggregate	Gasoline	323145.0561	13160212.62	13160212.62	0%	1508164.1	0.001244935	0.001353968	0.020137726	0.253569227
San Bernardino	2023	LDT2	Aggregate	Aggregate	Diesel	896.7674867	39572.03037	39572.03037	34%	4322.633894	0.006262919	0.0065461	0.016160828	0
							15704115.31	32.1%	117362			Gasoline Avg EF	0.034238081	0.42030913
								Diesel Wt EF	0.016138311					

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
San Bernardino	2023	HHDT	Aggregate	Aggregate	Diesel	26225.50302	4341337.171	4341337.171	468766.0938	0.030381381	0.038199519	0.031755092	0.039926732
San Bernardino	2023	MHDT	Aggregate	Aggregate	Diesel	17266.34205	797273.1639	797273.1639	214109.6493	0.011063512	0.024097548	0.011563755	0.025187133
San Bernardino	2023	LHDT1	Aggregate	Aggregate	Diesel	22607.19394	848721.5839	848721.5839	284370.06	0.029553458	0.026570826	0.030889734	0.027772241
San Bernardino	2023	LHDT2	Aggregate	Aggregate	Diesel	9499.536898	366079.7752	366079.7752	119492.2238	0.025872574	0.026291374	0.027042417	0.027480154
									Average	0.027713016	0.0264311	0.028966076	0.027626197

APPENDIX C

ENERGY CALCULATIONS

Construction Off-Road Equipment										
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**
Demolition	Concrete/Industrial Saws	1	8	64	512	81	0.73	512	30274.56	1550.057472
	Excavators	3	8	64	1536	158	0.38	1536	92221.44	4721.737728
	Rubber Tired Dozers	2	8	64	1024	247	0.4	1024	101171.2	5179.96544
Site Preparation	Rubber Tired Dozers	3	8	15	360	247	0.4	360	35568	1821.0816
	Tractors/Loaders/Backhoes	4	8	15	480	97	0.37	480	17227.2	882.03264
Grading	Excavators	2	8	20	320	158	0.38	320	19212.8	983.69536
	Graders	1	8	20	160	187	0.41	160	12267.2	628.08064
	Rubber Tired Dozers	1	8	20	160	247	0.4	160	15808	809.3696
	Scrapers	2	8	20	320	367	0.48	320	56371.2	2886.20544
	Tractors/Loaders/Backhoes	2	8	20	320	97	0.37	320	11484.8	588.02176
Building Construction	Cranes	1	7	141	987	231	0.29	987	66119.13	3385.299456
	Forklifts	3	8	141	3384	89	0.2	3384	60235.2	3084.04224
	Generator Sets	1	8	141	1128	84	0.74	1128	70116.48	3589.963776
	Tractors/Loaders/Backhoes	3	7	141	2961	97	0.37	2961	106270.29	5441.038848
	Welders	1	8	141	1128	46	0.45	1128	23349.6	1195.49952
Paving	Pavers	2	8	15	240	130	0.42	240	13104	670.9248
	Paving Equipment	2	8	15	240	132	0.36	240	11404.8	583.92576
	Rollers	2	8	15	240	80	0.38	240	7296	373.5552
Architectural Coating	Air Compressors	1	6	70	420	78	0.48	420	15724.8	805.10976
									Total	**39179.60704** Diesel

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	88.8	797273.2	9.0
	HHDT	711.5	4294976.0	6.0
	HHDT/MHDT	-	-	7.5
Construction Worker Vehicle	LDA	1140.9	33073440.0	29.0
	LDT1	104.7	2503906	23.9
	LDT2	561.9	13160213	23.4
	Worker Mix	-	-	26.3

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for San Bernardino County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	Hauling	880	20	17600	6.0	2933.3
Grading	Hauling	3060	20	61200	6.0	10200.0
Building Construction	Vendor	18048	6.9	124531.2	7.5	16604.2
					Total	**29737.5**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for San Bernardino County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	15	64	1920	14.7	28224	26.3	1073.2
Site Preparation	18	15	540	14.7	7938	26.3	301.8
Grading	20	20	800	14.7	11760	26.3	447.1
Building Construction	163	141	45966	14.7	675700.2	26.3	25692.0
Paving	15	15	450	14.7	6615	26.3	251.5
Architectural Coating	33	70	4620	14.7	67914	26.3	2582.3
						Total	**30348.0**

Gas

Total Construction Gasoline Usage	30348.0
Total Construction Diesel Usage	68917.1

Proposed Project Operational Trips			
Unrefrigerated Warehouse - Vehicle and Light Duty Truck Trips Fleet Mix			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.437849	716	313.5
LDT1	0.218925	716	156.8
LDT2	0.218925	716	156.8
MDV	0	716	0.0
LHD1	0.027933	716	20.0
LHD2	0.027933	716	20.0
MHD	0.068436	716	49.0
HHD	0	716	0.0
OBUS	0	716	0.0
UBUS	0	716	0.0
MCY	0	716	0.0
SBUS	0	716	0.0
MH	0	716	0.0

Proposed Project Operational Trips			
efrigerated Warehouse - Vehicle and Light Duty Truck Trips Fleet M			
Vehicle Class	CalEEMod	Total Project	Total Trips per Vehicle Class
LDA	0.363014	73	26.5
LDT1	0.181507	73	13.3
LDT2	0.181507	73	13.3
MDV	0	73	0.0
LHD1	0.10274	73	7.5
LHD2	0.10274	73	7.5
MHD	0.068493	73	5.0
HHD	0	73	0.0
OBUS	0	73	0.0
UBUS	0	73	0.0
MCY	0	73	0.0
SBUS	0	73	0.0
MH	0	73	0.0

Proposed Project Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	55%	1,118.2	33,024,788.0	29.5	16.1
	LDT1	4%	101.1	2,460,565.0	24.3	1.0
	LDT2	22%	565.3	13,590,074.0	24.0	5.4
	MDV	16%	511.4	9,933,878.0	19.4	3.2
	LHD1	2%	83.8	1,118,103.0	13.4	0.2
	MCY	0%	5.5	228,527.3	41.5	0.2
	MH	0%	11.8	56,940.1	4.8	0.0
	Fleet Mix	–	–	–	26.1	26.1
Diesel	LHD2	7%	21.5	367,558.8	17.1	1.1
	MHDT	15%	90.2	809,994.5	9.0	1.3
	HHDT	79%	716.5	4,383,825.0	6.1	4.8
	Fleet Mix	–	–	–	7.3	7.3

Notes:

[1] EMFAC2021 was run for San Bernardino County for the operational year 2024. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Unrefrigerated Warehouse (vehicles and light duty trucks)	3,068,444	Gas	90%	2772744	26.1	106047.4
		Diesel	10%	295703	7.3	40732.5
Refrigerated Warehouse (vehicles and light duty trucks)	313,020	Gas	83%	2543028	26.1	97261.6
		Diesel	17%	525419	7.3	72375.5
Unrefrigerated Warehouse (heavy heavy duty trucks)	2,026,348	Diesel	100%	2026348	6.1	331182.8
Refrigerated Warehouse (heavy heavy duty trucks)	313,602	Diesel	100%	313602	6.1	51254.6
					Total Gasoline/year	**203309.0**
					Total Diesel/year	**495545.4**

Notes:

[1] Calculated for operational year 2024 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for San Bernardino County and total VMT.

Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	412164
Refrigerated Warehouse	786442
City Park	0
Parking Lot	37,380
Total	**1,235,986**

Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
Unrefrigerated Warehouse	357,091	357,091,000	3,571.8
Refrigerated Warehouse	1,021,100	1,021,100,000	10,213.4
City Park	0	-	0
Parking Lot	0	-	0
Total	**1,378,191**	**1,378,191,000**	**13,785.2**

Existing Uses Operational Trips			
Unrefrigerated Warehouse			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.341319	919	313.7
LDT1	0.055593	919	51.1
LDT2	0.17199	919	158.1
MDV	0.141576	919	130.1
LHD1	0.027719	919	25.5
LHD2	0.007281	919	6.7
MHD	0.057	919	52.4
HHD	0.172	919	158.1
OBUS	0	919	0.0
UBUS	0	919	0.0
MCY	0.025522	919	23.5
SBUS	0	919	0.0
MH	0	919	0.0

Existing Uses Operational Trips			
Single Family Home			
Vehicle Class	CalEEMod	Total Project	Total Trips per Vehicle Class
LDA	0.534251	9	4.8
LDT1	0.055593	9	0.5
LDT2	0.17199	9	1.5
MDV	0.141576	9	1.3
LHD1	0.027719	9	0.2
LHD2	0.007281	9	0.1
MHD	0.011628	9	0.1
HHD	0.017336	9	0.2
OBUS	0.000569	9	0.0
UBUS	0.000257	9	0.0
MCY	0.025522	9	0.2
SBUS	0.000954	9	0.0
MH	0.005323	9	0.0

Existing Uses Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	56%	1,157.5	32,956,006.0	28.5	15.8
	LDT1	4%	108.0	2,538,748.0	23.5	1.0
	LDT2	21%	554.6	12,649,675.0	22.8	4.9
	MDV	16%	527.1	9,789,367.0	18.6	3.1
	LHD1	2%	88.0	1,109,722.0	12.6	0.2
	MCY	0%	5.6	228,447.3	41.0	0.2
	MH	0%	13.3	64,090.3	4.8	0.0
	Fleet Mix	–	–	–	25.1	25.1
Diesel	LHD2	7%	21.4	360,763.4	16.8	1.1
	MHDT	15%	87.3	783,257.2	9.0	1.3
	HHDT	79%	703.5	4,194,213.0	6.0	4.7
	Fleet Mix	–	–	–	7.1	7.1

Notes:

[1] EMFAC2021 was run for Los Angeles County for the operational year 2024. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Existing Uses Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Unrefrigerated Warehouse	3,938,478	Gas	76%	3007890	25.1	119624.4
		Diesel	24%	930588	7.1	130363.2
Single Family Home	32,224	Gas	96%	3795724	25.1	150956.7
		Diesel	4%	142750	7.1	19997.4
					Total Gasoline/year	**270581.1**
					Total Diesel/year	**150360.6**

Notes:

[1] Calculated for operational year 2024 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for Los Angeles County and total VMT.

Existing Uses Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	615231
Single Family Home	7967.72
Total	**623,199**

Existing Uses Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
Unrefrigerated Warehouse	485,607	485,607,000	4,857.2
Single Family Home	36,858	36,857,700	368.7
Total	**522,465**	**522,464,700**	**5,225.9**

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HISTORICAL/ARCHAEOLOGICAL RESOURCES SURVEY REPORT

ASSESSOR'S PARCEL NUMBERS 0292-192-11 AND -14

City of Redlands
San Bernardino County

For Submittal to:

Development Services Department, Planning Division
City of Redlands
35 Cajon Street, Suite 20
Redlands, CA 92373

Prepared for:

MIG, Inc.
1560 Spruce Street, Suite 106
Riverside, CA 92507

Prepared by:

CRM TECH
1016 East Cooley Drive, Suite A/B
Colton, CA 92324

Bai "Tom" Tang, Principal Investigator
Michael Hogan, Principal Investigator

February 15, 2023
CRM TECH Contract No. 3963

Title: Historical/Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

Author(s): Bai "Tom" Tang, Principal Investigator
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Prepared for: Bob Prasse, Director of Environmental Services
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USGS Quadrangle: Redlands, Calif., 7.5' quadrangle (Rancho San Bernardino land grant; T1S R3W, San Bernardino Baseline and Meridian)

Project Size: Approximately 11 acres

Keywords: Western Redlands area; eastern San Bernardino Valley; Phase I cultural resources survey; Site 3693-1H*: former La-Z-Boy plant at 301 Tennessee Street, ca. 1965; Site 3693-2H*: former Alex and Sadie Kimm residence at 360 Kansas Street, ca. 1950; Architect Leon Armantrout; no "historical resources" under CEQA provisions.

* *Temporary designations, pending assignment of permanent identification numbers*

EXECUTIVE SUMMARY

Between November 2022 and February 2023, at the request of MIG, Inc., CRM TECH performed a cultural resources study on approximately 11 acres of previously developed urban land in the western portion of the City of Redlands, San Bernardino County, California. The subject property of the study consists of Assessor's Parcel Numbers 0292-192-11 and 0292-192-14, located at the northwest corner of Tennessee Street and State Street, in a portion of the Rancho San Bernardino land grant lying within what would be the southeast quarter of Section 28, T1S R3W, San Bernardino Baseline and Meridian.

The study is part of the environmental review process for a proposed warehouse project that will require the demolition of the existing buildings on the property, including a former La-Z-Boy furniture manufacturing plant, a single-family residence, and several ancillary buildings. The City of Redlands, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, consulted with local historical organizations, pursued historical background research, and carried out an intensive-level field survey and field inspection of the buildings. The results of these research procedures indicate that the former La-Z-Boy furniture manufacturing plant dates to 1965 and operated at this location until 2019, while the residence was built around 1950.

Although both buildings have been expanded and altered, they retain sufficient historical characteristics to relate to their periods of origin and were therefore recorded into the California Historical Resources Inventory with the temporary designations of 3963-1H and -2H, pending assignment of permanent identification numbers. They do not, however, appear to be eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, they do not constitute "historical resources" for CEQA-compliance purposes.

No other potential "historical resources" were encountered within or adjacent to the project area. However, the State of California Native American Heritage Commission stated that the Sacred Lands File maintained by the commission indicated the presence of unspecified Native American cultural resource(s) in the general vicinity of the project location and referred further inquiry to the local Native American tribes. According to CEQA guidelines, the identification of potential "tribal cultural resources" is beyond the scope of this study and needs to be addressed through government-to-government consultations between the City of Redlands and the pertinent Native American groups pursuant to Assembly Bill (AB) 52.

Based on these findings, CRM TECH recommends to the City of Redlands a tentative conclusion of *No Impact* on cultural resources, pending completion of the AB 52 consultation process. No additional cultural resources investigation is recommended for the project unless development plans undergo such changes as include areas not covered by this study. However, if buried cultural materials are encountered during any earth-moving operations associated with the project, all work within 50 feet of the discovery should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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INTRODUCTION

Between November 2022 and February 2023, at the request of MIG, Inc., CRM TECH performed a cultural resources study on approximately 11 acres of previously developed urban land in the western portion of the City of Redlands, San Bernardino County, California (Fig. 1). The subject property of the study consists of Assessor's Parcel Numbers (APN) 0292-192-11 and 0292-192-14, located at the northwest corner of Tennessee Street and State Street, in a portion of the Rancho San Bernardino land grant lying within what would be the southeast quarter of Section 28, T1S R3W, San Bernardino Baseline and Meridian (Figs. 2, 3).

The study is part of the environmental review process for a proposed warehouse project that will require the demolition of the existing buildings on the property, including a former La-Z-Boy furniture manufacturing plant, a single-family residence, and several ancillary buildings. The City of Redlands, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA; PRC §21000, et seq.). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, consulted with local historical organizations, pursued historical background research, and carried out an intensive-level field survey and field inspection of the buildings. The following report is a complete account of the methods, results, and conclusion of the study. The qualifications of personnel who participated in the study are presented in Appendix 1.

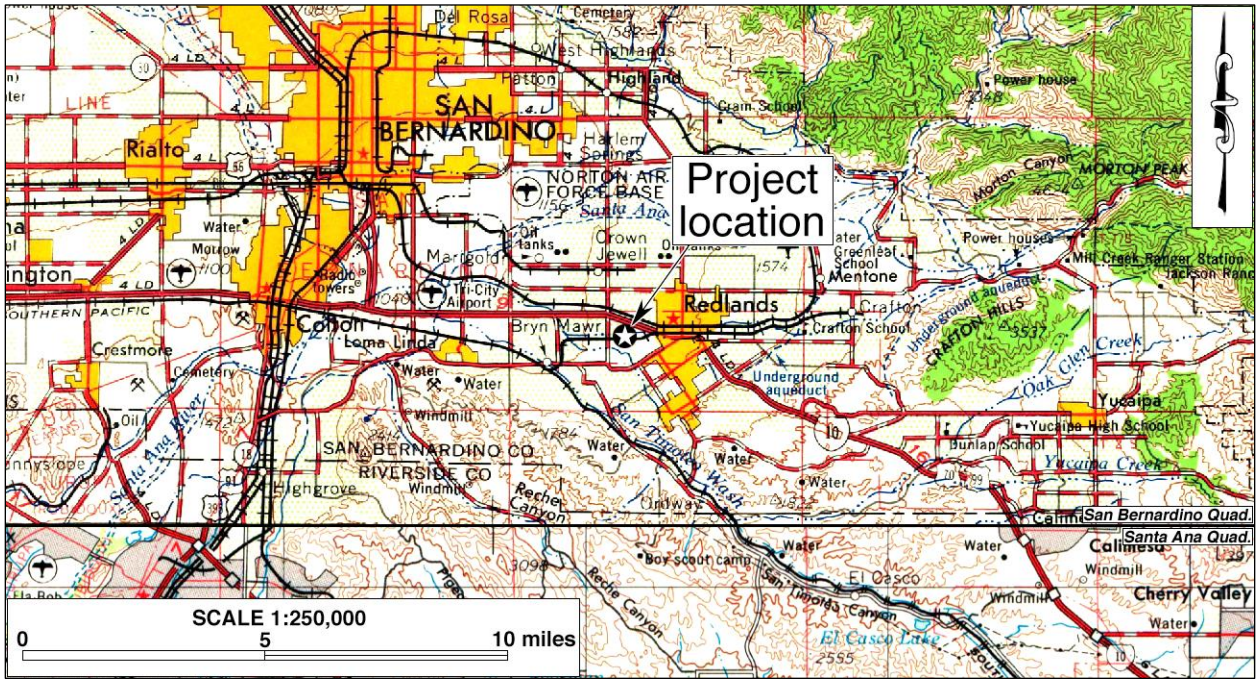

Figure 1. Project vicinity. (Based on USGS San Bernardino and Santa Ana, Calif., 120'x60' quadrangles [USGS 1969; 1979])

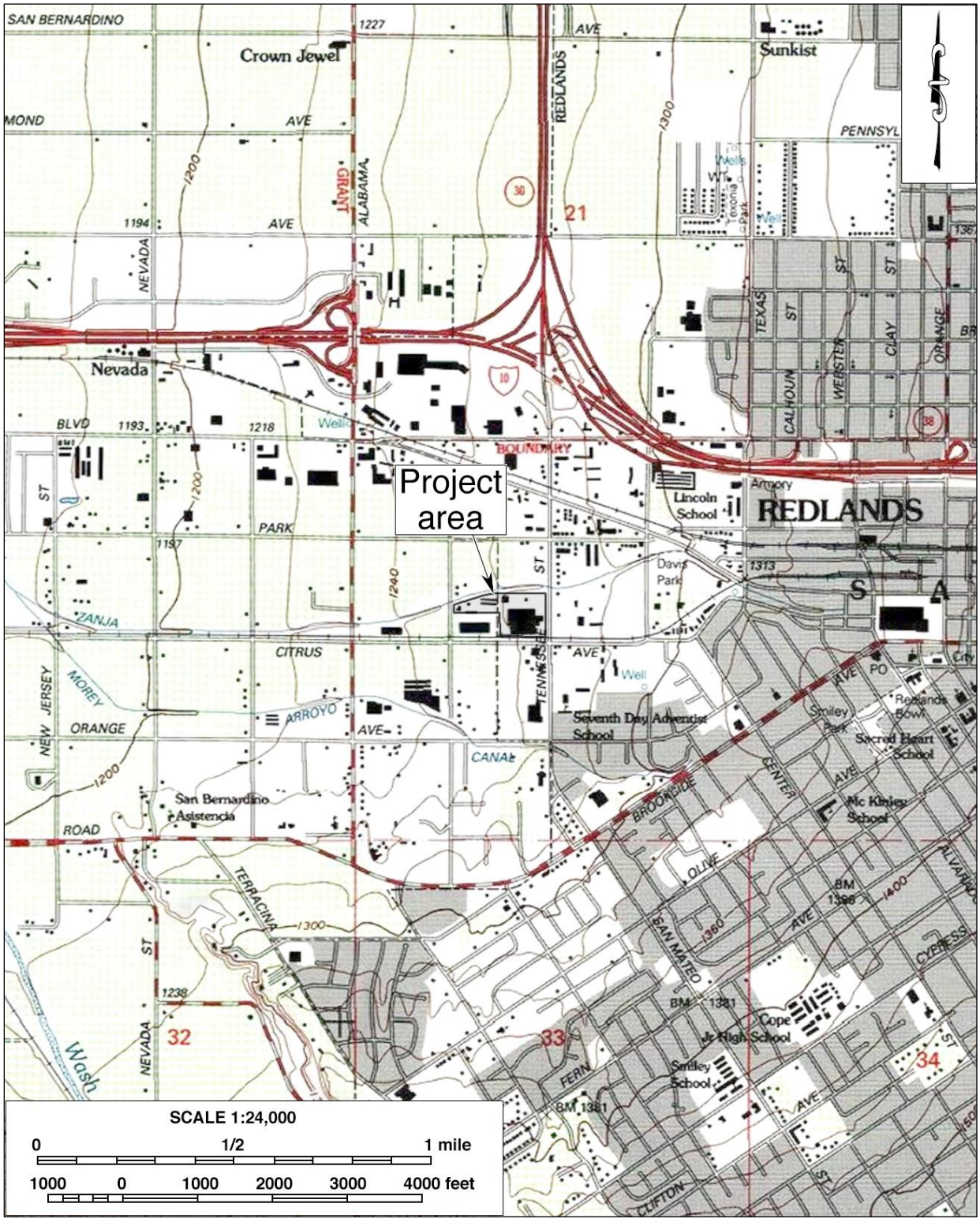

Figure 2. Location and configuration of the project area. (Based on USGS Redlands, Calif., 7.5' quadrangle [USGS 1996])



Figure 3. Recent satellite image of the project area. (Based on Google Earth imagery)

SETTING

CURRENT NATURAL SETTING

The City of Redlands is situated in the eastern San Bernardino Valley, a broad inland valley bound by the San Gabriel and San Bernardino mountain ranges on the north and a series of low rocky hills on the south. Geologically, the San Bernardino Valley lies on the northern rim of the Peninsular Ranges geomorphic province, adjacent to the Transverse Ranges province. The natural environment of the region is characterized by its temperate Mediterranean climate. Precipitation is typically less than 20 inches annually, falling mostly between November and April.

The approximately 11-acre project area is an irregularly shaped tract of commercial property bounded on the east by Tennessee Street, on the south by State Street, on the west by Kansas Street, and on the north by the "Mission Zanja," a drainage channel bearing a name that often causes confusion with the historic Mill Creek Zanja further to the south. The main building of the former La-Z-Boy furniture manufacturing plant and two associated smaller buildings occupy the eastern two-thirds of the property, and the modest single-family residence stands in the western portion along Kansas Street (Figs. 4, 5). The surrounding properties are primarily commercial in character.

Elevations in the project area range approximately from 1,245 feet to 1,260 feet above mean sea level over relatively level terrain. Vegetation consists mostly of introduced species, such as eucalyptus trees and a string of lemon trees along part of the northern border and landscaping plants near the buildings, including pomegranate and gum trees around the residence, along with various small grasses and shrubs. Surface soils over most of the project area consist of medium brown, fine- to medium-grained sands.



Figure 4. Western portion of the project area (APN 0292-192-14). (Photograph taken November 17, 2022; view to the west).



Figure 5. Eastern portion of the project area (APN 0292-192-11). (Photograph taken November 17, 2022; view to the south)

CULTURAL SETTING

Prehistoric Context

The earliest evidence of human occupation in inland southern California was discovered below the surface of an alluvial fan in the northern Lakeview Mountains overlooking the San Jacinto Valley, with radiocarbon dates clustering around 9,500 B.P. (Horne and McDougall 2008). Another site found near the shoreline of Lake Elsinore, close to the confluence of Temescal Wash and the San Jacinto River, yielded radiocarbon dates between 8,000 and 9,000 B.P. (Grenda 1997). Additional sites with isolated Archaic dart points, bifaces, and other associated lithic artifacts from the same age range have been found in the nearby Cajon Pass area, typically atop knolls with good viewsheds (Basgall and True 1985; Goodman and McDonald 2001; Goodman 2002; Milburn et al. 2008).

The cultural history of southern California has been summarized into numerous chronologies, including work by Chartkoff and Chartkoff (1984), Warren (1984), and others. The prehistory of Riverside County specifically has been addressed by O'Connell et al. (1974), McDonald, et al. (1987), Keller and McCarthy (1989), Grenda (1993), Goldberg (2001), and Horne and McDougall (2008). Although the beginning and ending dates of different cultural horizons vary regionally, the general prehistory framework for inland southern California can be divided into three periods:

- Paleoindian Period (ca. 18,000-9,000 B.P.): Native people of this period created fluted spearhead bases designed to be hafted to wooden shafts. The distinctive method of thinning bifaces and spearhead preforms by removing long, linear flakes leave diagnostic Paleoindian markers at tool-making sites. Other artifacts associated with the Paleoindian toolkit include choppers, cutting tools, retouched flakes, and perforators. Sites from this period are sparse across the landscape and most are deeply buried.

- Archaic Period (ca. 9,000-1,500 B.P.): Archaic sites are characterized by abundant lithic scatters of considerable size with many biface thinning flakes, bifacial preforms broken during manufacture, and well-made groundstone bowls and basin metates. As a product of making dart points, many biface thinning waste flakes were generated at individual production stations, which is a diagnostic feature of Archaic sites.
- Late Prehistoric Period (ca. 1,500 B.P.-contact): Sites from this period typically contain small lithic scatters from the manufacture of small arrow points, expedient groundstone tools such as tabular metates and unshaped manos, wooden mortars with stone pestles, acorn or mesquite bean granaries, ceramic vessels, shell beads suggestive of extensive trading networks, and steatite implements such as pipes and arrow shaft straighteners.

Ethnohistoric Context

The Redlands area lies in the traditional homeland of the Serrano Indians, although the Native population at the time of European contact are believed to have been Gabrielino from the San Gabriel Valley, who were later succeeded by a Mountain Cahuilla group from the San Jacinto and Santa Rosa Mountains around 1846 (Strong 1929:8). Serrano ancestral territory is centered in the San Bernardino Mountains, but also includes a portion of the San Bernardino Valley and the southern rim of the Mojave Desert, extending from today's Victorville eastward to Twentynine Palms. "Serrano" derives from a Spanish term meaning "mountaineer" or "highlander." The basic written sources on Serrano culture are Kroeber (1925), Strong (1929), and Bean and Smith (1978).

Prior to European contact, Serrano were primarily hunters and gatherers and occasional fishers, who settled near where flowing water emerged from the mountains. They were loosely organized into exogamous clans led by hereditary heads, and the clans in turn were affiliated with one of two exogamous moieties. The exact nature of the clans, their structure, function, and number are not known, except that each clan was the largest autonomous political and landholding unit, the core of which was the patrilineage. There was no pan-tribal political union among the clans. Despite their linguistic differences, Serrano, Gabrielino and Cahuilla societies shared many characteristics in social organization and material culture.

Although contact with Europeans may have occurred as early as 1771 or 1772, Spanish influence on Serrano lifeways was minimal until the 1810s, when a mission *asistencia* was established in the vicinity of present-day Redlands. Between then and the end of the mission era in 1834, most of the Serrano in the western portion of their traditional territory were removed to the nearby missions. In the eastern portion, a series of punitive expeditions in 1866-1870 resulted in the death or displacement of almost all remaining Serrano population in the San Bernardino Mountains. Today, most Serrano descendants are affiliated with the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians), the Morongo Band of Mission Indians, or the Serrano Nation of Indians.

Historic Context

The San Bernardino Valley, including the Redlands area, received its first European visitors in 1771, when a small force of Spanish soldiers traveled through the area under the command of Pedro Fages, the military *comandante* of Alta California (Beck and Haase 1974:15). After the establishment of Mission San Gabriel that year, the San Bernardino Valley nominally became a part of the vast

landholdings of that mission. The name "San Bernardino" was bestowed on the valley when the San Bernardino *Asistencia*, along with a mission rancho bearing the same name, was officially established in 1819, originally on the north side of present-day Mission Road in nearby Loma Linda (Lerch and Haenszel 1981).

Historically, the project area was located on the periphery of "Old San Bernardino," the site of the earliest non-Native settlement in the eastern San Bernardino Valley. It was centered around the adobe storehouse of Rancho San Bernardino and extended from the easternmost portion of Loma Linda to the westernmost portion of Redlands (Hall 1888). In 1842, after secularization of the mission system, the Mexican authorities in Alta California granted Rancho San Bernardino, along with several other adjacent former mission ranchos, to members of a prominent Los Angeles family, the Lugos (Schuiling 1984:34). After nine years of cattle raising on their 35,000-acre domain, the Lugo family sold the entire rancho in 1851 to Amasa M. Lyman and Charles C. Rich, leaders of a Mormon colony that was to become today's City of San Bernardino (*ibid*.:45).

In the early 1880s, Frank E. Brown and Edward G. Judson purchased a portion of the rancho and combined it with other land acquisitions to form the town of Redlands (Schuiling 1984:86). To ensure a reliable water supply for the new colony, in 1883-1884 Brown and Judson constructed the Bear Valley Reservoir in the San Bernardino Mountains for the exclusive use of Redlands settlers (*ibid.*). Amid the great southern California land boom of the 1880s and the thriving citrus industry, the Redlands colony incorporated in 1888 and soon became the best-known winter retreat in the nation (*ibid.*:87). An influx of winter residents from the eastern United States perpetuated Redlands' image as an affluent city characterized by vast citrus groves surrounding elegant mansions of gentlemen farmers.

In the mid-20th century, and particularly after World War II, the expansive citrus groves increasingly gave way urban expansion and increasing diversification of Redlands' economic interests. After U.S. Highway 99 (Redlands Boulevard) was realigned in 1946, commercial development that was previously concentrated in the historic downtown area began to muster along the new route toward the western city limit, and then to the north after Interstate Highway 10 was completed in 1962 (ARG 2017:145, 148). Over the last few decades of the 20th century, like many other former small rural towns in southern California, Redlands increasingly took on the characteristics of a "bedroom community." Nevertheless, the citrus culture that developed during the late 19th and early 20th centuries continues to be an integral part of the City's identity.

RESEARCH METHODS

RECORDS SEARCH

On December 7, 2022, CRM TECH archaeologist Nina Gallardo conducted the records search at the South Central Coastal Information Center (SCCIC), California State University, Fullerton, which is the State of California's official cultural resource records repository for San Bernardino County. During the records search, Gallardo examined maps, records, and electronic databases at the SCCIC for previously identified cultural resources and existing studies within a one-mile radius of the project area. Previously identified cultural resources include properties designated as California

Historical Landmarks, Points of Historical Interest, or San Bernardino County Historical Landmarks, as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Inventory.

SACRED LANDS FILE SEARCH

On November 4, 2022, CRM TECH submitted a written request to the State of California Native American Heritage Commission (NAHC) for a records search in the commission's Sacred Lands File. The NAHC is the State of California's trustee agency for the protection of tribal cultural resources as defined by California Public Resources Code §21074 and is tasked with identifying and cataloging properties of Native American cultural value throughout the state, including places of special religious, spiritual, or social significance and known graves and cemeteries. The NAHC's reply is summarized below and attached to this report in Appendix 2.

LOCAL COMMUNITY CONSULTATION

As a part of the research procedures, the Redlands Historical Museum Association and the Redlands Area Historical Society were contacted for supplementary information on the history of the subject property and for local community input regarding potential historic interest in any of the buildings on the property. The contact was initiated by e-mail on January 4, 2023, and included a map showing the project location and photographs of the historic-era buildings identified on the property. A follow-up e-mail was sent on January 14. To date, no reply has been received from either group.

HISTORICAL RESEARCH

Historical research for this study was completed in two phases. The preliminary background research was conducted by CRM TECH historian Terri Jacquemain on the basis of published literature in local and regional history, U.S. General Land Office (GLO) land survey plat maps dated 1858, U.S. Geological Survey (USGS) topographic maps dated 1901-1996, and aerial/satellite photographs taken in 1938-2022. The historic maps are available at the websites of the U.S. Bureau of Land Management and the USGS. The aerial and satellite images are available through the Google Earth software, at the Nationwide Environmental Title Research (NETR) Online website, and at the FrameFinder Online website hosted by the University of California, Santa Barbara.

After the identification of historic-era buildings in the project area, Jacquemain pursued more specific and in-depth research on the history of these buildings. Sources consulted during this phase of the research included primarily the archival records of the City of Redlands and the County of San Bernardino, particularly building safety records and real property assessment records, materials on file at the A.K. Smiley Public Library, and various online genealogical and commercial business databases.

FIELD SURVEY

On November 17, 2022, CRM TECH archaeologists Hunter O'Donnell and Cynthia Ayala conducted the intensive-level field survey of the project area by walking parallel north-south transects spaced 15 meters (approximately 50 feet) apart across all open areas on the property. In this way, the ground surface in the entire project area was carefully examined for any evidence of

human activities dating to the prehistoric or historic period (i.e., 50 years or older). While most of the project area is paved or occupied by buildings, ground visibility was good to excellent (85-90%) over the rest of the property except for a few pockets of excessive duff under trees and clusters of vegetation along the peripheries.

In conjunction with the archaeological survey, O'Donnell carried out a field inspection of the buildings and other built-environment features in the project area and field recordation on those that appeared to be more than 45 years old and retained at least a recognizable level of historical characteristics. The field recordation consisted mainly of detailed notations and preliminary photo-documentation of the structural and architectural characteristics and current conditions. The field data and observations were compiled into standard record forms for submittal to the California Historical Resources Inventory (see App. 3).

RESULTS AND FINDINGS

RECORDS SEARCH

According to SCCIC records, the project area had not been surveyed for cultural resources prior to this study, and no cultural resources had been recorded on the property. Within the one-mile scope of the records search, some 75 cultural resources studies completed between 1973 and 2015 have been reported to the SCCIC (Fig. 6). Most of these studies were clustered to the west of Alabama Street, attesting to the increased development activities on former citrus land in the Old San Bernardino area since CEQA mandates were implemented in the 1970s. To the east of the project area, a number of small-scale studies have occurred near the City's downtown core.

As a result of the past survey efforts, some 179 historical/archaeological sites of historical origin were previously recorded within the one-mile radius. Closest to the project area among them, along State Street adjacent to the southern property boundary, was Site 36-027672, the former alignment of the 1888 San Bernardino and Redlands Railroad Company motor line, also known as the Redlands Central Railway or the "Redlands Dinky." The 10-mile-long narrow-gauge rail line linked the two cities, with passenger fares costing 30¢ one-way and 50¢ for a round trip (Landis n.d.). As is the case with many early infrastructure features, Site 36-027672 exists only on paper today.

Other sites recorded within the one-mile radius include well-known local historical landmarks such as the Mill Creek Zanja, the reconstructed San Bernardino *Asistencia*, and the Bryn Mawr Townsite, but the majority of the sites consists of buildings, including many in the City's designated historic districts, along with structural foundations, roads, and refuse scatters. Other than the no-longer-extant 36-027672, none of the sites were recorded in the immediate vicinity of the project area. As such, they require no further consideration during this study. No cultural resources of prehistoric—i.e., Native American—origin have been identified within the scope of the records search.

SACRED LANDS FILE SEARCH

In response to CRM TECH's inquiry, the NAHC reported in a letter dated December 8, 2022, that the Sacred Lands File indicated the presence of Native American cultural resource(s) in the general vicinity of the project location, but the nature and location of the resource(s) were not disclosed.

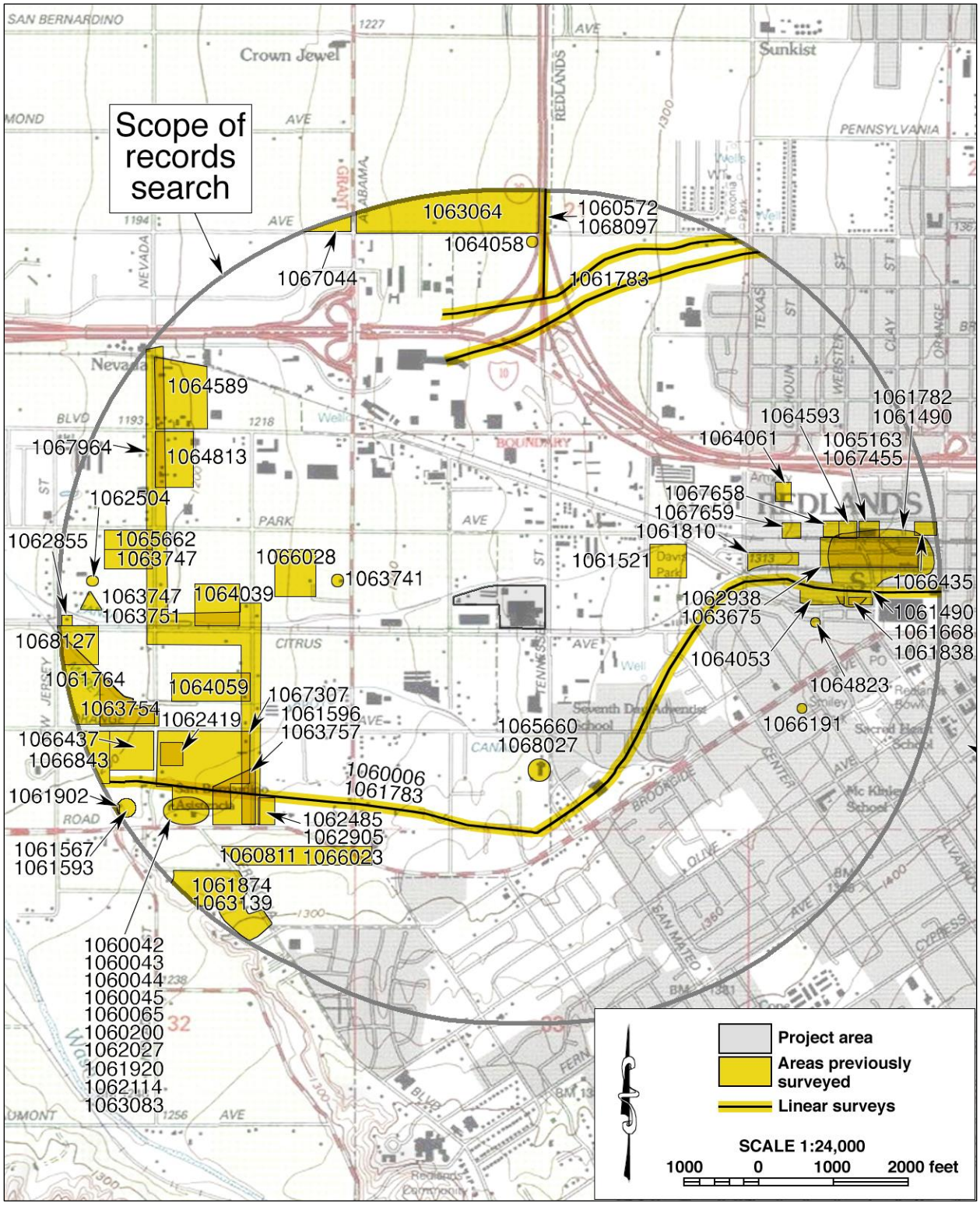

Figure 6. Previous cultural resources studies in the vicinity of the project area. Locations of historical/archaeological resources are not shown as a protective measure.

The NAHC recommended that local Native American groups be consulted for further information and provided a referral list of 11 tribal representatives affiliated with 10 local Native American groups. The NAHC's reply is attached to this report in Appendix 3 for reference by the City of Redlands in future government-to-government consultations with the local Native American groups.

HISTORICAL RESEARCH

The project area is situated about a mile east-northeast of Old San Bernardino, the center of early settlement during the Mission, Rancho, and Mormon periods in the history of San Bernardino Valley, but historical sources consulted for this study yielded no indication that it was involved in any of these early developments, except perhaps as farmland (Figs. 7-10). In the late 19th century, the project area sat in a flood-prone area near the confluence of what are now the Mission Zanja and the Morey Arroyo, amid a regular grid of roads, with the "Dinky" line (Site 36-027672) running along its southern boundary (Fig. 8).

By the late 1930s the project area and nearly all of the surrounding properties were covered by citrus groves, and a building, presumably a farmstead, had appeared near the southeast corner of the project area, as early channelization efforts along the Mission Zanja and the Morey Arroyo facilitated growth in the vicinity (NETR Online 1938; Fig. 9). The Mission Zanja connects to the original Mill Creek Zanja to the east of downtown Redlands near Laramie Park, but it was not a part of the historically significant irrigation canal, which was built in 1819-1820, the first irrigation work completed in San Bernardino County (Beattie 1951:42; Haenszel and Reynolds 1975:10). The 12-mile course of the Mill Creek Zanja ran roughly a half-mile south of the project location at its closest point.

After World War II, land in this area remained predominantly devoted to citrus groves and outside the boundary of the City of Redlands, which in 1959 was at Tennessee Street (UCSB FrameFinder 1952; NETR Online 1959-1968; Fig. 10). In the 1960s, the City's master plan codified land annexation further west, and earmarked it for industrial growth away from the core area (ARG 2017:149). The industrial district was bounded roughly by Redlands Boulevard/Colton Avenue, Tennessee Street, Orange Avenue, and New Jersey Street. Among the earlier industrial enterprises near the project location at the time were a textile knitting factory, a Gill Battery manufacturing plant, and a lumber and wrecking yard (ARG 2017:148, 149). Over the next three decades, industrial development continued to usurp the groves, often replacing them with large industrial buildings of concrete tilt-up construction and designed for truck access and freight distribution. By 1980 most of the citrus land had been laid fallow or replaced by commercial and industrial development, a trend that has continued to the present (NETR Online 1980-2020; Google Earth 1994-2022).

The residence at 360 Kansas Street was built around 1950, accompanied by a long rectangular structure at the rear, or the east (UCSB FrameFinder 1952; NETR Online 1959; County Assessor n.d.). A similar building combination had also appeared on Kansas Street just north of the Mission Zanja (*ibid.*). In 1954, the residence was occupied by Alex and Sadie Kimm, whose address was listed on Kansas Street and "one block north of Citrus" (now State Street; Ancestry.com n.d.). Family members John and Mary Jean Kimm lived on Kansas Street "two blocks north of Citrus" (*ibid.*), possibly in the similar residence across the drainage.

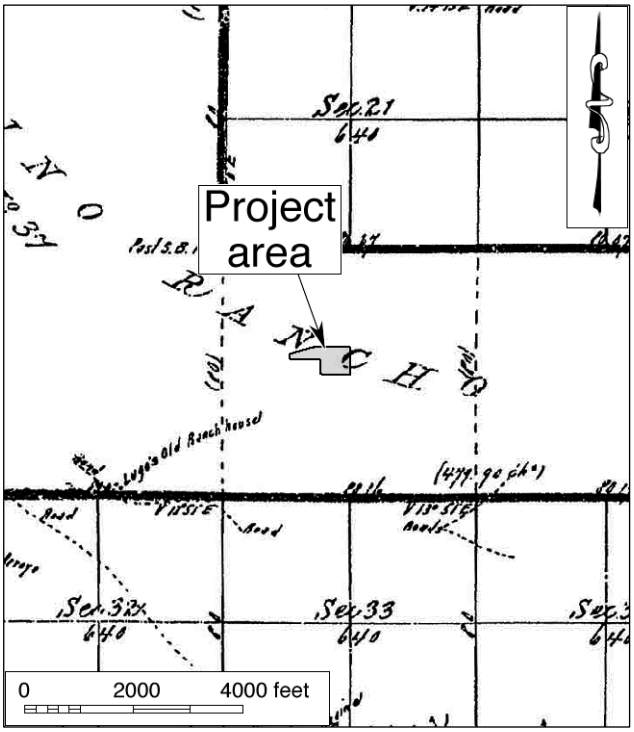

Figure 7. The project area and vicinity in 1853-1857. (Source: GLO 1858)

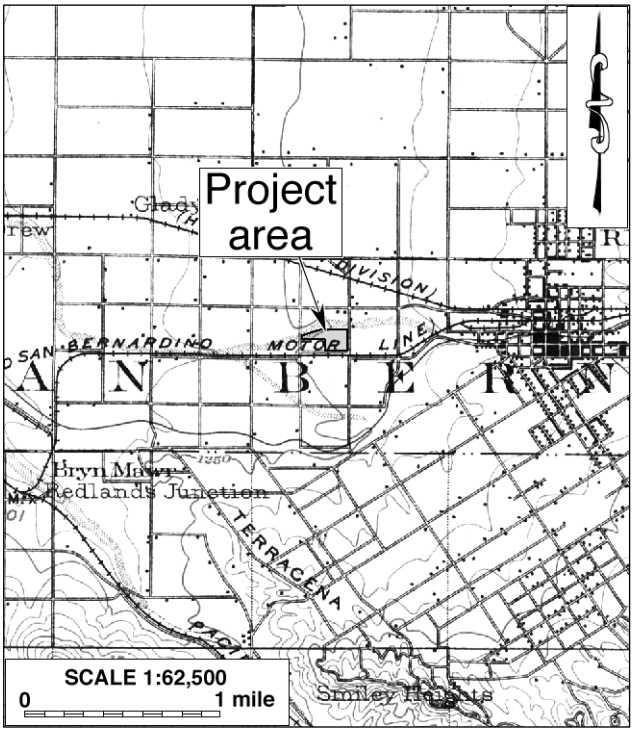

Figure 8. The project area and vicinity in 1898-1899. (Source: USGS 1901)

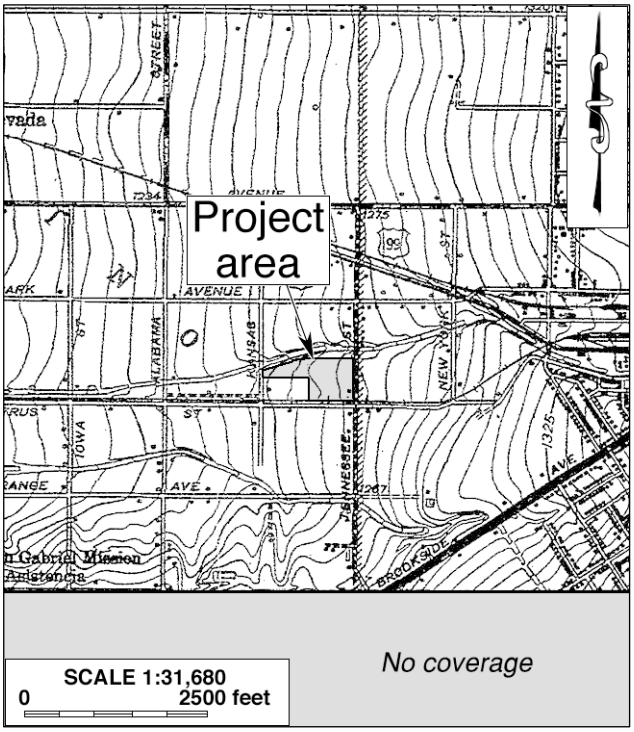

Figure 9. The project area and vicinity in 1939. (Source: USGS 1943)

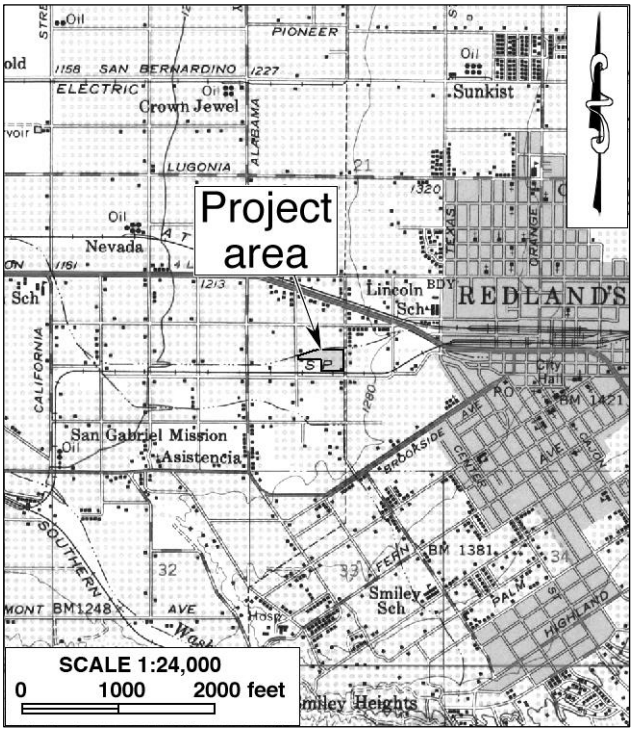

Figure 10. The project area and vicinity in 1952. (Source: USGS 1954)

Lead by patriarch Harkel A. Kimm and his wife Anna, who in 1954 lived on Alabama Street north of Barton Road, the Kimm family were in the business of chicken ranching (Ancestry.com n.d.). Harkel and Anna Kimm were both born in the Netherlands and had journeyed to Montana by 1919 when their youngest son Alex was born (*ibid.*). By 1940, they had settled in Redlands (*ibid.*). The elder Kimms were among some 400,000 Dutch immigrants who came to the U.S. between 1845 and 1930, with enough eventually settling in the Redlands area to form a small but cohesive community based primarily on their Christian Reformed faith and the dairy industry (ARG 2017:208). Alex and Sadie Kimm remained property owners in the project area until 1995, when the land was deeded to Rettig Machine Shop. City building safety records indicate the building suffered fire damage in 1982 (City of Redlands 1982).

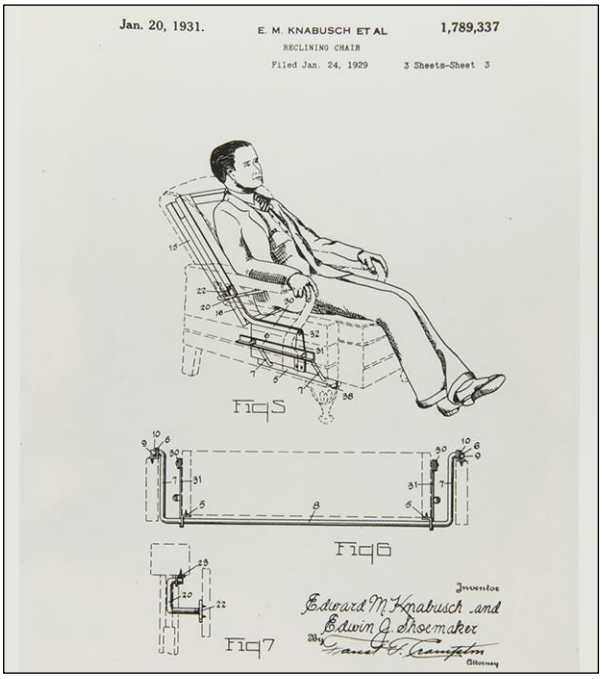

Figure 11. Patent illustration for the original La-Z-Boy Reclining Chair, January 24, 1929. (Source: The Henry Ford n.d.)

The former La-Z-Boy furniture manufacturing plant at 301 Tennessee was built for the company in 1965 and served in that capacity until October 2019, when the plant was closed (City of Redlands 1965; Kibby 1965:1; Iyer 2019). The company was founded in 1927 by cousins Edwin J. Shoemaker and Edward M. Knabusch, who produced their first chair in a garage in Monroe, Michigan (La-Z-Boy n.d.). It was a simple wood-slat chair, but with an innovative mechanism that allowed the occupant to recline (*ibid*.).

As they sought to bring their chair to the market, it was suggested that they upholster it for indoor use (La-Z-Boy n.d.). The duo took the advice and then filed for a patent in 1929 (La-Z-Boy n.d.; Fig. 11). Eventually the furniture line was expanded to encompasses other brands and living room staples such as sofas and loveseats, and the company was incorporated in 1941 (La-Z-Boy.com n.d.). In March 1972, La-Z-Boy went public, having by then established nine manufacturing plants in the United States: two in Michigan, one in Redlands, and six more in several eastern states (Encyclopedia.com n.d.). Today, La-Z-Boy is an internationally recognized brand and is among the leading residential furniture producers worldwide, with its headquarters still in Monroe, Michigan (*ibid*.).

During its 54-year tenure at the Redlands location, La-Z-Boy employed as many as 350 workers, who made and upholstered the company's flagship recliner and other branded products, accounting for about 10% of the company's output (Iyer 2019; Slaughter 2019). The plant was the company's first west of the Mississippi, built after Redlands' civic agencies vied to be the choice among eight contenders. Efforts included hosting La-Z-Boy co-founder Edward Knabusch and his wife at the residence of then-mayor Waldo Burroughs, followed up by city representatives paying a one-day visit to the company headquarters in Michigan (Kibby 1965:1). The company was active in the

Redlands community as a sponsor of the annual Redlands Bowl Summer Music Festival, and in 2011 became the City of Redlands' first recipient of the Mayor's Green Action Award for reducing its landfill waste from manufacturing (Iyer 2019).

The 1960s-1970s industrial buildings constructed in the western Redlands industrial district were commonly plain box-like buildings, but some owners of the era opted to contract stylized primary facades for their buildings, including the Lazy-Z-Boy furniture manufacturing plant, which was designed by Redlands architect Leon H. Armantrout (City of Redlands 1965; ARG 2017:149). Armantrout moved to Redlands in 1960 and opened his office there in 1964 (Johnson 2002). He has built an impressive body of work in Mid-Century Modern and Late Modern styles, including many custom homes and eye-catching institutional, professional, commercial, educational, and religious buildings (*ibid.*). In 2013, Armantrout donated a catalog of his Redlands architectural drawings to the A.K. Smiley Public Library (Schwartz 2013), among them those for the First United Methodist Church, the relocation and expansion of the ESRI campus, Redlands Community Center, Town Square Design for Redlands Mall, Empire Bowl, Redlands Medical Center, and the San Bernardino County Museum.

Constructed by local contractors Forsberg and Gregory, Inc., the La-Z-Boy building was originally a 72,000-square-foot manufacturing plant (City of Redlands 1965). In 1972-1973, 43,600 square feet were added to the factory and 800 square feet to the front office, followed by a 624-square-foot tilt-up panel addition and another 9,225 square feet in 1991 (City of Redlands 1972-1991). The two ancillary buildings to the north of the main plant, measuring 12,000 and 28,000 square feet, are both concrete tilt-up structures erected in 1969, again by Forsberg and Gregory, Inc., but with no architect identified in the building permits (City of Redlands 1969). A 1,300-square-foot conference room was added in 2004, and the monument sign along Tennessee Street was installed in 2014 (City of Redlands 2004-2014).

FIELD SURVEY

Field observations confirm that no vestige of Site 36-027672, the Redlands Dinky line, exists in the vicinity of the project area, and no evidence of any prehistoric cultural resources was encountered within or adjacent to the project boundaries. The ground surface has been extensively disturbed by agricultural operations and construction activities in the past, leaving little potential for any prehistoric or early historic archaeological remains to survive intact.

The three streets adjacent to the project area, Tennessee Street, Kansas Street, and State Street, all date to the historic period, but their current configuration and appearance reflect the results of repeated upgrading and regular maintenance in recent times, and none of them exhibits any distinctively historical characteristics. As working components of the modern transportation infrastructure, these streets are not considered potential "historical resources." Similarly, the Mission Zanja adjacent to the northern project boundary is an unremarkable earthen drainage of common design and construction practices that has been constantly maintained in the modern era. With no anticipated impacts from the project as proposed, it requires no further consideration during this study.

Historical research has revealed that the La-Z-Boy plant and residence on the property are both more than 50 years of age. While both have been significantly altered, field survey observations confirm that they retain a recognizable level of historical characteristics. As such, they were recorded into the California Historical Resources Inventory during this study and designated temporarily as Sites 3963-1H and -2H, pending assignment of permanent identification numbers by the SCCIC. These buildings represent the only potential "historical resources" in the project area.

Site 3963-1H (Former La-Z-Boy Plant)

The former La-Z-Boy manufacturing plant at 301 Tennessee Street consists of a main office/ warehouse building and two smaller auxiliary buildings of concrete tilt-up construction situated to the north, all of them resting on concrete slab foundations with flat roofs (Fig. 12). The main building is a tall one-story steel-frame and concrete structure that covers nearly two acres. Its squarish shape is a product of later additions that effectively doubled the original footprint, while some of the additions resulted in protrusions from the building. The concrete cladding covers nearly all of the exterior, leaving the building relatively blind but punctuated by loading docks with roll-up doors or single entries filled with metal commercial doors.

The rectangular front office portion on the eastern side, facing Tennessee Street, has a flat but lower roof, with its Armantrout-designed Modern-style elements somewhat overshadowed by the sizable unadorned additions at either end. Nevertheless, the Modern style remains apparent in the deeply recessed main entry between slightly over-extended brick partitions sheltering a plateglass wall and a metal-framed glass door with a transom. Varnished pine wood slats cover the entry ceiling, while square cut-outs in the brick sides allow a view of low-growing tropical plant gardens that flank the entry. A steel-framed enclosure reaching the roof level is filled on the top two-thirds by smoke glass, and open at the bottom. The entry is accessed by a brick-edged pebbled concrete walkway, flanked by low planters and paved parking lots and driveway.



Figure 12. Former La-Z-Boy furniture manufacturing plant at 301 Tennessee Street. (Photograph taken on February 14, 2023; view to the northwest)



Figure 13. Single-family residence at 360 Kansas Street. (Photograph taken on November 17, 2022; view to the northwest)

Site 3963-2H (Former Kimm Residence)

Located at 360 Kansas Street, this Ranch-style, one-story single-family residence with an attached garage is a wood-framed structure built on a U-shaped plan. It rests on a concrete foundation and is surmounted by a medium-pitched hip roof sheathed in brown composition shingles (Fig. 13). An addition with a shed roof is attached to the eastern (rear) side at the middle section. Light-colored stucco clads most of the exterior, although there are small half-wall sections of brick-and-mortar and vertical tooth-and-groove wood siding on the rear addition. Fenestration is a mix of vintage and recent windows of various size, as are the sashes adorning the entry doors. A modern metal roll-up door fills the entry to the garage, which is topped by a cupola at the roof ridge. Two corrugated-metal sheds accompany the house in the rear.

DISCUSSION

APPLICABLE REGULATORY FRAMEWORK

The purpose of this study is to identify any cultural resources in the project area and to assist the City of Redlands in determining whether they meet the official definition of "historical resources," as provided in the California Public Resources Code, in particular CEQA. According to PRC §5020.1(j), "'historical resource' includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

More specifically, CEQA guidelines state that the term "historical resources" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the lead agency (Title 14 CCR §15064.5(a)(1)-(3)). Regarding the proper criteria for

the evaluation of historical significance, CEQA guidelines mandate that "generally a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

A local register of historical resources, as defined by PRC §5020.1(k), "means a list of properties officially designated or recognized as historically significant by a local government pursuant to a local ordinance or resolution." For individual properties and historic districts in the City of Redlands, the City's Historic and Scenic Preservation Ordinance outlines a series of 11 eligibility criteria, any one of which may render a property eligible for designation by the City of Redlands as a "landmark" or a "historic property":

A. It has significant character, interest, or value as part of the development, heritage or cultural characteristics of the city of Redlands, state of California, or the United States;
B. It is the site of a significant historic event;
C. It is strongly identified with a person or persons who significantly contributed to the culture, history or development of the city;
D. It is one of the few remaining examples in the city possessing distinguishing characteristics of an architectural type or specimen;
E. It is a notable work of an architect or master builder whose individual work has significantly influenced the development of the city;
F. It embodies elements of architectural design, detail, materials, or craftsmanship that represents a significant architectural innovation;
G. It has a unique location or singular physical characteristics representing an established and familiar visual feature of a neighborhood, community, or the city;
H. It has unique design or detailing;
I. It is a particularly good example of a period or style;
J. It contributes to the historical or scenic heritage or historical or scenic properties of the city (to include, but not be limited to, landscaping, light standards, trees, curbings, and signs);
K. It is located within a historic and scenic or urban conservation district, being a geographically definable area possessing a concentration of historic or scenic properties which contribute to each other and are unified aesthetically by plan or physical development. (MC §2.62.170)

RESOURCE EVALUATIONS

Site 3963-1H (Former La-Z-Boy Plant)

The former La-Z-Boy furniture manufacturing plant at 301 Tennessee Street was built in 1965 and is among several industrial buildings constructed in the vicinity during the 1960s-1970s period, in the early days of the development of an industrial district in the western portion of the City of Redlands. Its construction reflected the City's increasing efforts to diversify its economic base in the post-

World War II era. At the time, the La-Z-Boy Company was already prominent in the industry and was pursuing a multi-state expansion. The building is arguably associated with a pattern of events or a local historical theme, namely Redlands' transition away from its horticulture roots, and is also notable for its association to an innovative, industry-leading company. In neither case, however, does the building demonstrate a particularly important or close association in comparison to other properties known for similar associations.

To wit, the historical theme of mid-20th century industrial growth is well-represented by industrial and commercial enterprises of similar vintage throughout the Redland area, particularly the western portion of the city, and furniture manufacturing was not a dominant industry in the area or a particularly prominent element of the local economy. In regard to the association to the La-Z-Boy Company, although hailed as being the "first west of the Mississippi" the building was not a flagship building of the La-Z-Boy Company, but rather an outpost far from the company's Michigan headquarters, and one that appeared on the scene decades after the company had garnered wide-spread brand recognition.

Sources consulted during this study have yielded no evidence that the former La-Z-Boy plant is closely associated with any specific events or persons of recognized historic significance. In terms of architectural, structural, engineering, or aesthetic merits, the building was designed by prominent Redland architect Leon Armantrout, who worked primarily in mid-20th century Modern and Late Modern styles. As noted above, Leon Armantrout's body of work is well represented in his catalogue of architectural drawings within the City of Redlands and the larger southern California region. For this building, the Modern-style design elements are largely confined to the central portion of the primary façade, while the rest of the building is functionally utilitarian, an expression sometimes in keeping with the style but overall appearing more vernacular or altered by later additions.

The La-Z-Boy plant is among a handful of industrial buildings to his credit, but despite being fewer in number, it does not stand out as an important or particularly remarkable example of Armantrout's body of work or of any style, property type, period, region, and method of construction. Furthermore, the 1960s era in industrial development is well documented in historical accounts, contemporary literature, as well as archival records, both nationwide and in the City of Redlands. As a result, this building holds little potential for any new or important data for the study of this subject. Based on these considerations, the present study concludes that 3963-1H does not appear eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, it does not meet the definition of a "historical resource" under CEQA provisions.

Site 3963-2H (Former Kimm Residence)

The Ranch-style residence at 360 Kansas Street was constructed around 1950. While it retains some elements recognizable to the era in scale and materials, such as a few surviving double-hung windows and a single-car garage, it has been significantly altered by additions, exterior wall cladding, and modern window replacements. Nevertheless, as a rural residence built amidst the groves in the waning years of Redlands robust citrus cultivation era, it shares an association with the city's long-held historical heritage and ensuing "citrus culture." Another historical theme that the

residence is associated with is the post-World War II boom in urban/suburban development throughout the U.S. and especially in southern California. While the residence retains sufficient integrity to relate to these patterns of events, once again it does not demonstrate a unique, significant, or particularly close association with the historical themes in comparison to the numerous other residential buildings of similar character and similar vintage that survive in and around Redlands.

The historical background research has not identified any persons or specific events of recognized significance in the history of the residence, nor any prominent architects, designers, or builders in association with its construction. Architecturally, the building is essentially vernacular in appearance, owing partly to the alterations, and does not represent an important example of its style,, type, period, region, or method of construction. With no notable qualities in design or construction, no documented historical association of importance, and little potential to yield any historical information, the residence at 360 Kansas Street does not appear to meet any of the criteria for listing the California Register of Historical Resource or for local designation, and does not qualify as a "historical resource," as defined above.

CONCLUSION AND RECOMMENDATIONS

CEQA establishes that a project that may cause a substantial adverse change in the significance of a "historical resource" is a project that may have a significant effect on the environment (PRC §21084.1). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired."

In summary, the present study identified and recorded two groups of historic-period buildings within the project area, a La-Z-Boy furniture manufacturing plant at 301 Tennessee Street (Site 3963-1H) and a residence at 360 Kansas Street (Site 3963-2H), but neither of them appears eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, they do not constitute "historical resources" for CEQA-compliance purposes.

No other potential "historical resources" were encountered within or adjacent to the project area. However, the NAHC's response during this study indicated the presence of unspecified Native American cultural resource(s) in the general vicinity of the project location and referred further inquiry to the local Native American tribes. According to CEQA guidelines, the identification of potential "tribal cultural resources" is beyond the scope of this study and needs to be addressed through government-to-government consultations between the City of Redlands and the pertinent Native American groups pursuant to Assembly Bill (AB) 52.

Based on these findings, CRM TECH presents the following recommendations to the City of Redlands:

- A tentative conclusion of *No Impact* on known cultural resources appears to be appropriate for this project, pending the completion of the AB 52 consultation process to ensure the proper identification of potential "tribal cultural resources."

- No additional cultural resources investigation is necessary for the proposed project unless development plans undergo such changes as to include areas not covered by this study.
- If buried cultural materials are discovered during earth-moving operations associated with the project, all work within 50 feet of the discovery should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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Keller, Jean S., and Daniel F. McCarthy
1989 Data Recovery at the Cole Canyon Site (CA-RIV-1139), Riverside County, California. *Pacific Coast Archeological Society Quarterly* 25.
Kibby, Ron
1965 La-Z-Boy Chair Company to Build Redlands Plant. *Redlands Daily Facts* April 28:1. https://www.newpapers.com.

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Landis, Mark
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1943 Map: Redlands and Vicinity, Calif. (1:31,680); surveyed in 1939.
1954 Map: Redlands, Calif. (15', 1:62,500); aerial photographs taken in 1952, field-checked in 1954.
1969 Map: San Bernardino, Calif. (120'x60', 1:250,000); 1958 edition revised.
1979 Map: Santa Ana, Calif. (120'x60', 1:250,000); 1959 edition revised.
1996 Map: Redlands, Calif. (7.5', 1:24,000); 1988 edition photorevised in 1996.
Warren, Claude N.
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APPENDIX 1:
PERSONNEL QUALIFICATIONS

PRINCIPAL INVESTIGATOR, HISTORY/ARCHITECTURAL HISTORY

Education

1988-1993	Graduate Program in Public History/Historic Preservation, University of California, Riverside.
1987	M.A., American History, Yale University, New Haven, Connecticut.
1982	B.A., History, Northwestern University, Xi'an, China.
2000	"Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
1994	"Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1993-2002	Project Historian/Architectural Historian, CRM TECH, Riverside, California.
1993-1997	Project Historian, Greenwood and Associates, Pacific Palisades, California.
1991-1993	Project Historian, Archaeological Research Unit, University of California, Riverside.
1990	Intern Researcher, California State Office of Historic Preservation, Sacramento.
1990-1992	Teaching Assistant, History of Modern World, University of California, Riverside.
1988-1993	Research Assistant, American Social History, University of California, Riverside.
1985-1988	Research Assistant, Modern Chinese History, Yale University.
1985-1986	Teaching Assistant, Modern Chinese History, Yale University.
1982-1985	Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China.

Cultural Resources Management Reports

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

PRINCIPAL INVESTIGATOR, ARCHAEOLOGY
Michael Hogan, Ph.D., RPA (Registered Professional Archaeologist)

Education

1991	Ph.D., Anthropology, University of California, Riverside.
1981	B.S., Anthropology, University of California, Riverside; with honors.
1980-1981	Education Abroad Program, Lima, Peru.
2002	"Section 106—National Historic Preservation Act: Federal Law at the Local Level," UCLA Extension Course #888.
2002	"Recognizing Historic Artifacts," workshop presented by Richard Norwood, Historical Archaeologist.
2002	"Wending Your Way through the Regulatory Maze," symposium presented by the Association of Environmental Professionals.
1992	"Southern California Ceramics Workshop," presented by Jerry Schaefer.
1992	"Historic Artifact Workshop," presented by Anne Duffield-Stoll.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1999-2002	Project Archaeologist/Field Director, CRM TECH, Riverside, California.
1996-1998	Project Director and Ethnographer, Statistical Research, Inc., Redlands, California.
1992-1998	Assistant Research Anthropologist, University of California, Riverside.
1992-1995	Project Director, Archaeological Research Unit, U.C. Riverside.
1993-1994	Adjunct Professor, Riverside Community College, Mt. San Jacinto College, U.C. Riverside, Chapman University, and San Bernardino Valley College.
1991-1992	Crew Chief, Archaeological Research Unit, U.C. Riverside.
1984-1998	Project Director, Field Director, Crew Chief, and Archaeological Technician for various southern California cultural resources management firms.

Research Interests

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

Cultural Resources Management Reports

Principal investigator for, author or co-author of, and contributor to numerous cultural resources management study reports since 1986.

Memberships

Society for American Archaeology; Society for California Archaeology; Pacific Coast Archaeological Society; Coachella Valley Archaeological Society.

PROJECT HISTORIAN/ARCHITECTURAL HISTORIAN
Terri Jacquemain, M.A.

Education

2004	M.A., Public History and Historic Resource Management, University of California, Riverside.
2002	B.S., Anthropology, University of California, Riverside.
2001	Archaeological Field School, University of California, Riverside.
1991	A.A., Riverside Community College, Norco Campus.

Professional Experience

2003-	Historian/Architectural Historian/Report Writer, CRM TECH, Riverside/ Colton, California.
2002-2003	Teaching Assistant, Religious Studies Department, University of California, Riverside.
2002	Interim Public Information Officer, Cabazon Band of Mission Indians.
2000	Administrative Assistant, Native American Student Programs, University of California, Riverside.
1997-2000	Reporter, *Inland Valley Daily Bulletin*, Ontario, California.
1991-1997	Reporter, *The Press-Enterprise*, Riverside, California.

PROJECT ARCHAEOLOGIST/NATIVE AMERICAN LIAISON
Nina Gallardo, B.A.

Education

2004	B.A., Anthropology/Law and Society, University of California, Riverside.

Professional Experience

2004-	Project Archaeologist, CRM TECH, Riverside/Colton, California.

Honors and Awards

2000-2002	Dean's Honors List, University of California, Riverside.

PROJECT ARCHAEOLOGIST/REPORT WRITER
Nicole A. Raslich, M.A.

Education

2017-	Ph.D. candidate, Michigan State University, East Lansing.
2011	M.A., Anthropology, Michigan State University, East Lansing.
2005	B.A., Natural History of Biology and Anthropology, University of Michigan, Flint.
2022	Adult First Aid/CPR/AED Certification, American Red Cross.
2019	Grant and Research Proposal Writing for Archaeologists; SAA Online Seminar.
2014	Bruker Industries Tracer S1800 pXRF Training; presented by Dr. Bruce Kaiser, Bruker Scientific.
2013	Introduction to ArcGIS, Michigan State University, East Lansing.

Professional Experience

2022-	Project Archaeologist/Report Writer, CRM TECH, Colton, California.
2022	Archaeological Technician, Agua Caliente Band of Cahuilla Indians, Palm Springs, California.
2008-2021	Archaeological Consultant, Saginaw Chippewa Indian Tribe of Michigan.
2019	Archaeologist, Sault Tribe of Chippewa Indians and Little Traverse Bay Band of Odawa Indians
2018	Teaching Assistant, Michigan State University, East Lansing.
2017	Adjunct Professor, University of Michigan, Flint.
2015-2016	Graduate Fellow, Michigan State University Campus Archaeology Program, East Lansing.
2015	Archaeologist, Michigan State University, Illinois State Museum, and Dickson Mounds Museum.
2013-2015	Curation Research Assistant, Michigan State University Museum, East Lansing.
2008-2014	Research Assistant, Intellectual Property Issues in Cultural Heritage, Simon Frasier University, British Columbia, Canada.
2009-2012	Editorial Assistant/Copy Editor, *American Antiquity*.
2009-2011	Archaeologist/Crew Chief, Saginaw Chippewa Indian Tribe of Michigan.

Publications

2017	Preliminary Results of a Handheld X-Ray Fluorescence (pXRF) Analysis on a Marble Head Sarcophagus Sculpture from the Collection of the Kresge Art Center, Michigan State University. Submitted to Jon M. Frey, Department of Art, Art History, and Design. Michigan State University, East Lansing.
2016	Preserving Sacred Sites: Arctic Indigenous Peoples as Cultural Heritage Rights Holders (L. Heinämäki, T.M. Herrmann, and N.A. Raslich). University of Lapland Printing Centre, Rovaniemi, Finland.

PROJECT ARCHAEOLOGIST
Hunter C. O'Donnell, B.A.

Education

2016-	M.A. Program, Applied Archaeology, California State University, San Bernardino.
2015	B.A. (*cum laude*), Anthropology, California State University, San Bernardino.
2012	A.A., Social and Behavioral Sciences, Mt. San Antonio College, Walnut, California.
2011	A.A., Natural Sciences and Mathematics, Mt. San Antonio College, Walnut, California.
2014	Archaeological Field School, Santa Rosa Mountains; supervised by Bill Sapp of the United States Forest Service and Daniel McCarthy of the San Manuel Band of Mission Indians.

Professional Experience

2017-	Project Archaeologist, CRM TECH, Colton, California.
2016-2018	Graduate Research Assistant, Applied Archaeology, California State University, San Bernardino.
2016-2017	Cultural Intern, Cultural Department, Pechanga Band of Luiseño Indians, Temecula, California.
2015	Archaeological Intern, U.S. Bureau of Land Management, Barstow, California.
2015	Peer Research Consultant: African Archaeology, California State University, San Bernardino.

PROJECT ARCHAEOLOGIST
Cynthia Ayala, B.A.

Education

2021	B.A., Anthropology/Law and Society, University of California, Riverside (Dean's List; *cum laude*).
2018	A.A., Anthropology, Pasadena City College (Honors Award for Superior Achievement in Anthropology).
2018	Field School, Milford Archaeological Research Institute, Utah.
2017	Field School, La Suerte Biological Research Station/Maderas Rainforest Conservancy, Costa Rica.

Professional Experience

2022-	Project Archaeologist, CRM TECH, Colton, California.
2020-2021	Field Technician, Mckenna et al., Whittier, California, and Duke CRM, Irvine, California.

APPENDIX 2

SACRED LANDS FILE SEARCH RESULTS

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

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COMMISSIONER
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Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[Vacant]

COMMISSIONER
[**Vacant**]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

December 8, 2022

Nina Gallardo
CRM TECH

Via Email to: ngallardo@crmtech.us

Re: Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County

Dear Ms. Gallardo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Tribes on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Cameron.vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Bernardino County
12/8/2022

Agua Caliente Band of Cahuilla Indians
Patricia Garcia-Plotkin, Director
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6907
Fax: (760) 699-6924
ACBCI-THPO@aguacaliente.net

Agua Caliente Band of Cahuilla Indians
Reid Milanovich, Chairperson
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6800
Fax: (760) 699-6919
laviles@aguacaliente.net

Augustine Band of Cahuilla Mission Indians
Amanda Vance, Chairperson
84-001 Avenue 54 — Cahuilla
Coachella, CA, 92236
Phone: (760) 398 - 4722
Fax: (760) 369-7161
hhaines@augustinetribe.com

Cabazon Band of Mission Indians
Doug Welmas, Chairperson
84-245 Indio Springs Parkway — Cahuilla
Indio, CA, 92203
Phone: (760) 342 - 2593
Fax: (760) 347-7880
jstapp@cabazonindians-nsn.gov

Cahuilla Band of Indians
Daniel Salgado, Chairperson
52701 U.S. Highway 371 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 5549
Fax: (951) 763-2808
Chairman@cahuilla.net

Chemehuevi Indian Tribe
Sierra Pencille, Chairperson
P.O. Box 1976 1990 Palo Verde Drive — Chemehuevi
Havasu Lake, CA, 92363
Phone: (760) 858 - 4219
Fax: (760) 858-5400
chairman@cit-nsn.gov

Colorado River Indian Tribes
Rebecca Loudbear, Attorney General
26600 Mohave Road — Chemehuevi, Mojave
Parker, AZ, 85344
Phone: (928) 669 - 1271
Fax: (928) 669-5675
rloudbear@critdoj.com

Fort Mojave Indian Tribe
Timothy Williams, Chairperson
500 Merriman Ave — Mojave
Needles, CA, 92363
Phone: (760) 629 - 4591
Fax: (760) 629-5767
lindaotero@fortmojave.com

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
P.O. Box 941078 — Gabrielino
Simi Valley, CA, 93094
Phone: (626) 407 - 8761
christina.marsden@alumni.usc.edu

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos — Juaneno
San Juan Capisttrano, CA, 92675
Phone: (949) 293 - 8522
kaamalam@gmail.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Joyce Perry, Tribal Manager
4955 Paseo Segovia — Juaneno
Irvine, CA, 92603
Phone: (949) 293 - 8522
kaamalam@gmail.com

Juaneno Band of Mission Indians Acjachemen Nation 84A
Heidi Lucero, Chairperson
31411-A La Matanza Street — Juaneno
San Juan Capistrano, CA, 92675
Phone: (562) 879 - 2884
hllucero105@gmail.com

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010 — Kawaiisu
Lake Isabella, CA, 93240 — Tubatulabal
Phone: (760) 378 - 2915 — Koso
bbutterbredt@gmail.com

Kern Valley Indian Community
Julie Turner, Secretary
P.O. Box 1010 — Kawaiisu
Lake Isabella, CA, 93240 — Tubatulabal
Phone: (661) 340 - 0032 — Koso

Kern Valley Indian Community
Brandy Kendricks,
30741 Foxridge Court — Kawaiisu
Tehachapi, CA, 93561 — Tubatulabal
Phone: (661) 821 - 1733 — Koso
krazykendricks@hotmail.com

Los Coyotes Band of Cahuilla and Cupeño Indians
Ray Chapparosa, Chairperson
P.O. Box 189 — Cahuilla
Warner Springs, CA, 92086-0189
Phone: (760) 782 - 0711
Fax: (760) 782-0712

Morongo Band of Mission Indians
Robert Martin, Chairperson
12700 Pumarra Road — Cahuilla
Banning, CA, 92220 — Serrano
Phone: (951) 755 - 5110
Fax: (951) 755-5177
abrierty@morongo-nsn.gov

Morongo Band of Mission Indians
Ann Brierty, THPO
12700 Pumarra Road — Cahuilla
Banning, CA, 92220 — Serrano
Phone: (951) 755 - 5259
Fax: (951) 572-6004
abrierty@morongo-nsn.gov

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Pala Band of Mission Indians
Shasta Gaughen, Tribal Historic Preservation Officer
PMB 50, 35008 Pala Temecula Rd. — Cupeno, Luiseno
Pala, CA, 92059
Phone: (760) 891 - 3515
Fax: (760) 742-3189
sgaughen@palatribe.com

Pechanga Band of Indians
Mark Macarro, Chairperson
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
Phone: (951) 770 - 6000
Fax: (951) 695-1778
epreston@pechanga-nsn.gov

Pechanga Band of Indians
Paul Macarro, Cultural Resources Coordinator
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
Phone: (951) 770 - 6306
Fax: (951) 506-9491
pmacarro@pechanga-nsn.gov

Quechan Tribe of the Fort Yuma Reservation
Manfred Scott, Acting Chairman
Kw'ts'an Cultural Committee
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (928) 750 - 2516
scottmanfred@yahoo.com

Quechan Tribe of the Fort Yuma Reservation
Jill McCormick, Historic Preservation Officer
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (760) 572 - 2423
historicpreservation@quechantribe.com

Ramona Band of Cahuilla
John Gomez, Environmental Coordinator
P. O. Box 391670 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 4105
Fax: (951) 763-4325
jgomez@ramona-nsn.gov

Ramona Band of Cahuilla
Joseph Hamilton, Chairperson
P.O. Box 391670 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 4105
Fax: (951) 763-4325
admin@ramona-nsn.gov

Rincon Band of Luiseno Indians
Bo Mazzetti, Chairperson
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 749 - 1051
Fax: (760) 749-5144
bomazzetti@aol.com

Rincon Band of Luiseno Indians
Cheryl Madrigal, Tribal Historic Preservation Officer
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 297 - 2635
crd@rincon-nsn.gov

San Fernando Band of Mission Indians
Donna Yocum, Chairperson
P.O. Box 221838 — Kitanemuk, Vanyume, Tataviam
Newhall, CA, 91322
Phone: (503) 539 - 0933
Fax: (503) 574-3308
ddyocum@comcast.net

San Manuel Band of Mission Indians
Jessica Mauck, Director of Cultural Resources
26569 Community Center Drive — Serrano
Highland, CA, 92346
Phone: (909) 864 - 8933
Jessica.Mauck@sanmanuel-nsn.gov

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 — Cahuilla
Anza, CA, 92539
Phone: (951) 659 - 2700
Fax: (951) 659-2228
lsaul@santarosa-nsn.gov

Serrano Nation of Mission Indians
Mark Cochrane, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (909) 528 - 9032
serranonation1@gmail.com

Serrano Nation of Mission Indians
Wayne Walker, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (253) 370 - 0167
serranonation1@gmail.com

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

APPENDIX 3

CALIFORNIA HISTORICAL RESOURCES INVENTORY RECORD FORMS

Sites 3963-1H and 3963-2H
(Temporary Designations)

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings
Review Code Reviewer Date

Page 1 of 5 *Resource Name or # (Assigned by recorder) CRM TECH 3963-1H

P1. Other Identifier: Former La-Z-Boy furniture manufacturing plant

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Bernardino
and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** Redlands, Calif. **Date** 1996
T1S **R**3W**; SE 1/4 of Sec** 28 (extrapolated)**;** S.B. **BM** (San Bernardino land grant)

c. Address 301 Tennessee Street **City** Redlands **Zip** 92373

d. UTM: (Give more than one for large and/or linear resources) **Zone** 11 ; 481,427 **mE/** 3,768,406 **mN**
UTM Derivation: ☐ USGS Quad ☐ GIS ☒ Google Earth

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) Assessor's Parcel Number 0929-192-11; on the northwest corner of State Street and Tennessee Street

***P3a Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) The former La-Z-Boy manufacturing plant at 301 Tennessee Street consists of a main office/warehouse building and two smaller auxiliary buildings of concrete tilt-up construction situated to the north, all of them resting on concrete slab foundations with flat roofs. The main building is a tall one-story steel-frame and concrete structure that covers nearly two acres. Its squarish shape is a product of later additions that effectively doubled the original footprint, while some of the additions resulted in protrusions from the building. The concrete cladding covers nearly all of the exterior, leaving the building relatively blind but punctuated by loading docks with roll-up doors or single entries filled with metal commercial doors. (*Continued on p. 4*)

***P3b. Resource Attributes:** (List attributes and codes) HP8: Industrial building

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo (view, date, accession number): Photo taken on February 14, 2023; view to the northwest

***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
1965

***P7. Owner and Address:** Duke Realty Tennessee Street LP, 1420 Rocky Ridge Drive, Suite 380, Roseville, CA 95661

***P8. Recorded by** (Name, affiliation, & address)**:** Hunter O'Donnell, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

***P9. Date Recorded:** November 17, 2022

***P10. Survey Type** (describe)**:** Intensive-level survey for CEQA compliance purposes

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Terri Jacquemain, Nicole Raslich, and Hunter O'Donnell (2023): Historical/ Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

***Attachments:** ☐None ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Resource Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐Other (List):

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI #

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z

***Resource Name or #** (Assigned by recorder) CRM TECH 3963-1H

B1. Historic Name: La-Z-Boy

B2. Common Name:

B3. Original Use: Office/manufacturing

B4. Present Use: Office

***B5. Architectural Style:** Modern/vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations) The former La-Z-Boy furniture manufacturing plant was built for the company in 1965 and served in that capacity until October 2019, when the plant was closed. It was originally a 72,000-square-foot manufacturing plant. In 1972-1973, 43,600 square feet were added to the factory and 800 square feet to the front office, followed by a 624-square-foot tilt-up panel addition and another 9,225 square feet in 1991. The two ancillary buildings to the north of the (*Continued on p. 4*)

***B7. Moved?** √ No ___ Yes ___ Unknown **Date:** ___ **Original Location:**

***B8. Related Features:** See Item P3a.

B9a. Architect: Leon H. Armantrout

b. Builder: Forsberg and Gregory, Inc.

***B10. Significance: Theme** Post-World War II industrial development

Area Redlands

Period of Significance 1960s

Property Type Industrial/manufacturing

Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.) The former La-Z-Boy furniture manufacturing plant a is among several industrial buildings constructed in the vicinity during the 1960s-1970s period, in the early days of the development of an industrial district in the western portion of the City of Redlands. Its construction reflected the City's increasing efforts to diversify its economic base in the post-World War II era. At the time, the La-Z-Boy Company was already prominent in the industry and was pursuing a multi-state expansion. The building is (*Continued on p. 4*)

B11. Additional Resource Attributes: (List attributes and codes)

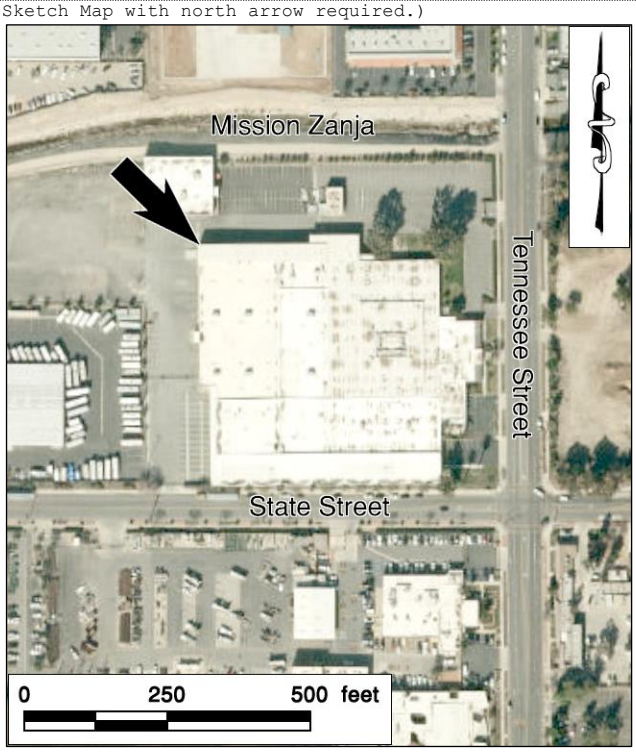
B12. References: City of Redlands building and safety records; various local newspaper accounts, www.newpapers.com; aerial photographs taken in 1959-2020, www.historicaerials.com; La-Z-Boy, Inc.: Corporate Commitment, www.la-z-boy.com/content/AboutLaZBoy/corporate-commitment.

B13. Remarks:

***B14. Evaluator:** Terri Jacquemain

***Date of Evaluation:** January 20, 2023

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

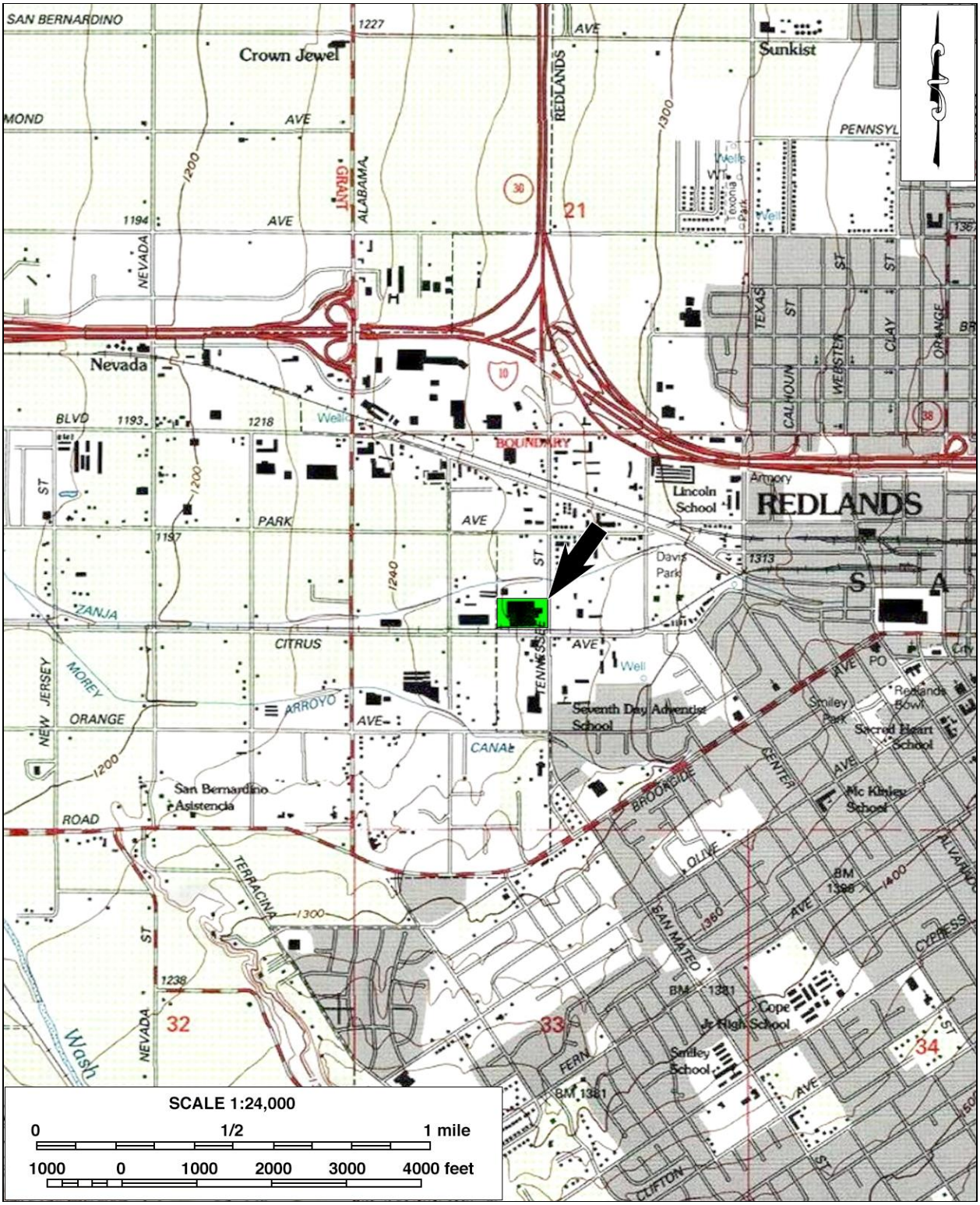
State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI #
Trinomial

*Resource Name or # (Assigned by recorder) CRM TECH 3963-1H

*Map Name: Redlands, Calif. *Scale: 1:24,000 *Date of Maps: 1996



* Required information

Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***P3a. Description (**continued**):** The rectangular front office portion on the eastern side, facing Tennessee Street, has a flat but lower roof, with its Armantrout-designed Modern-style elements somewhat overshadowed by the sizable unadorned additions at either end. Nevertheless, the Modern style remains apparent in the deeply recessed main entry between slightly over-extended brick partitions sheltering a plateglass wall and a metal-framed glass door with a transom. Varnished pine wood slats cover the entry ceiling, while square cut-outs in the brick sides allow a view of low-growing tropical plant gardens that flank the entry. A steel-framed enclosure reaching the roof level is filled on the top two-thirds by smoke glass, and open at the bottom. The entry is accessed by a brick-edged pebbled concrete walkway, flanked by low planters and paved parking lots and driveway.

***B6. Construction History (continued):** main plant, measuring 12,000 and 28,000 square feet, are both concrete tilt-up structures erected in 1969. A 1,300-square-foot conference room was added in 2004, and the monument sign along Tennessee Street was installed in 2014.

Architect Leon H. Armantrout moved to Redlands in 1960 and opened his office there in 1964. He has built an impressive body of work in Mid-Century Modern and Late Modern styles, including many custom homes and eye-catching institutional, professional, commercial, educational, and religious buildings. In 2013, Armantrout donated a catalog of his Redlands architectural drawings to the A.K. Smiley Public Library, among them those for the First United Methodist Church, the relocation and expansion of the ESRI campus, Redlands Community Center, Town Square Design for Redlands Mall, Empire Bowl, Redlands Medical Center, and the San Bernardino County Museum.

***B10. Significance (continued):** arguably associated with a pattern of events or a local historical theme, namely Redlands' transition away from its horticulture roots, and is also notable for its association to an innovative, industry-leading company. In neither case, however, does the building demonstrate a particularly important or close association in comparison to other properties known for similar associations.

To wit, the historical theme of mid-20th century industrial growth is well-represented by industrial and commercial enterprises of similar vintage throughout the Redland area, particularly the western portion of the city, and furniture manufacturing was not a dominant industry in the area or a particularly prominent element of the local economy. In regard to the association to the La-Z-Boy Company, although hailed as being the "first west of the Mississippi" the building was not a flagship building of the La-Z-Boy Company, but rather an outpost far from the company's Michigan headquarters, and one that appeared on the scene decades after the company had garnered wide-spread brand recognition.

Sources consulted during this study have yielded no evidence that the former La-Z-Boy plant is closely associated with any specific events or persons of recognized historic significance. In terms of architectural, structural, engineering, or aesthetic merits, the building was designed by prominent Redland architect Leon Armantrout, who worked primarily in mid-20th century Modern and Late Modern styles. Armantrout's body of work is well represented in his catalogue of architectural drawings within the City of Redlands and the larger southern California region. For this building, the (*Continued on p. 5*)

Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***B10. Significance (continued):** Modern-style design elements are largely confined to the central portion of the primary façade, while the rest of the building is functionally utilitarian, an expression sometimes in keeping with the style but overall appearing more vernacular or altered by later additions.

The La-Z-Boy plant is among a handful of industrial buildings to his credit, but despite being fewer in number, it does not stand out as an important or particularly remarkable example of Armantrout's body of work or of any style, property type, period, region, and method of construction. Furthermore, the 1960s era in industrial development is well documented in historical accounts, contemporary literature, as well as archival records, both nationwide and in the City of Redlands. As a result, this building holds little potential for any new or important data for the study of this subject. Based on these considerations, the former La-Z-Boy furniture manufacturing plant does not appear eligible for listing in the National Register of Historic Places or the California Register of Historical Resource.

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z
Other Listings _____
Review Code _____ Reviewer _____ Date _____

Page 1 of 4 *Resource Name or # (Assigned by recorder) CRM TECH 3963-2H

P1. Other Identifier: 360 Kansas Street

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Bernardino
and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

*b. **USGS 7.5' Quad** Redlands, Calif. **Date** 1996
T 1S **R** 3W; SE **1/4 of Sec** 28 (extrapolated); S.B. **BM** (San Bernardino land grant)

c. **Address** 360 Kansas Street **City** Redlands **Zip** 92373

d. **UTM:** (Give more than one for large and/or linear resources) **Zone** 11 ; 481,167 **mE**/ 3,768,453 **mN**
UTM Derivation: ☐ USGS Quad ☐ GIS ☒ Google Earth

e. **Other Locational Data:** (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) Assessor's Parcel Number 0929-192-14; on the east side of Kansas Street, approximately 350 feet north of State Street

***P3a Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) This Ranch-style one-story residence with an attached garage is a wood-framed structure built on a U-shaped plan. It rests on a concrete foundation and is surmounted by a medium-pitched hip roof sheathed in brown composition shingles. An addition with a shed roof is attached to the eastern (rear) side at the middle section. Light-colored stucco clads most of the exterior, although there are small half-wall sections of brick-and-mortar and vertical tooth-and-groove wood siding on the rear addition. Fenestration is a mix of vintage and recent windows of various size, as are the sashes adorning the entry doors. A modern metal roll-up door fills the entry to the garage, which is topped by a cupola at the roof ridge. Two wood-framed corrugated-metal sheds accompany the house in the rear.

***P3b. Resource Attributes:** (List attributes and codes) HP2: Single-family residence

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo (view, date, accession number): Photo taken on November 17, 2022; view to the east

***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
Ca. 1950

***P7. Owner and Address:** Duke Realty Tennessee Street LP, 1420 Rocky Ridge Drive, Suite 380, Roseville, CA 95661

***P8. Recorded by** (Name, affiliation, & address): Hunter O'Donnell, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

***P9. Date Recorded:** November 17, 2022

***P10. Survey Type** (describe): Intensive-level survey for CEQA compliance purposes

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Terri Jacquemain, Nicole Raslich, and Hunter O'Donnell (2023): Historical/ Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

***Attachments:** ☐None ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Resource Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐Other (List): _____

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI #

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z

***Resource Name or #** (Assigned by recorder) CRM TECH 3693-2H

B1. Historic Name:
2.Common Name:
B3. Original Use: Residence
B4. Present Use: Vacant

***B5. Architectural Style:** Ranch

***B6. Construction History:** (Construction date, alterations, and date of alterations) The residence was built around 1950 and was originally accompanied by a long rectangular structure at the rear, or east. In 1954 it was the family home of Alex and Sadie Kimm, who were engaged in chicken ranching with other family members. The Kimms remained property owners until 1995, when it was deeded to Rettig Machine Shop. Building permits for this address include one issued to the Kimms in 1982 to repair fire damage and a reroof permit issued to Bob Rettig in 2010.

***B7. Moved?** √ No ___Yes ___Unknown **Date:** **Original Location:**

***B8. Related Features:** See Item P3a.

B9a. Architect: Unknown
b. Builder: Unknown

***B10. Significance: Theme** Early post-World War II transition (rural to suburban)
Area Redlands
Period of Significance 1945-1965
Property Type Residential
Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.) While this circa 1950 residence retains some elements recognizable to the era in scale and materials, such as a few surviving double-hung windows and a single-car garage, it has been significantly altered by additions, exterior wall cladding, and modern window replacements. Nevertheless, as a rural residence built amidst the groves in the waning years of Redlands robust citrus cultivation era, it shares an association with the city's long-held historical heritage and ensuing "citrus culture." (*Continued on p. 4*)

B11. Additional Resource Attributes: (List attributes and codes)

B12. References: Genealogical database entries for Kimm family members, www.ancestry.com; San Bernardino County Assessor's real property tax assessment database; City of Redlands building and safety records; aerial photographs taken in 1952-2020, mil.library.ucsb.edu/ap_indexes/FrameFinder/ and www.historicaerials.com.

B13. Remarks:

***B14. Evaluator:** Terri Jacquemain

***Date of Evaluation:** February 19, 2023

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

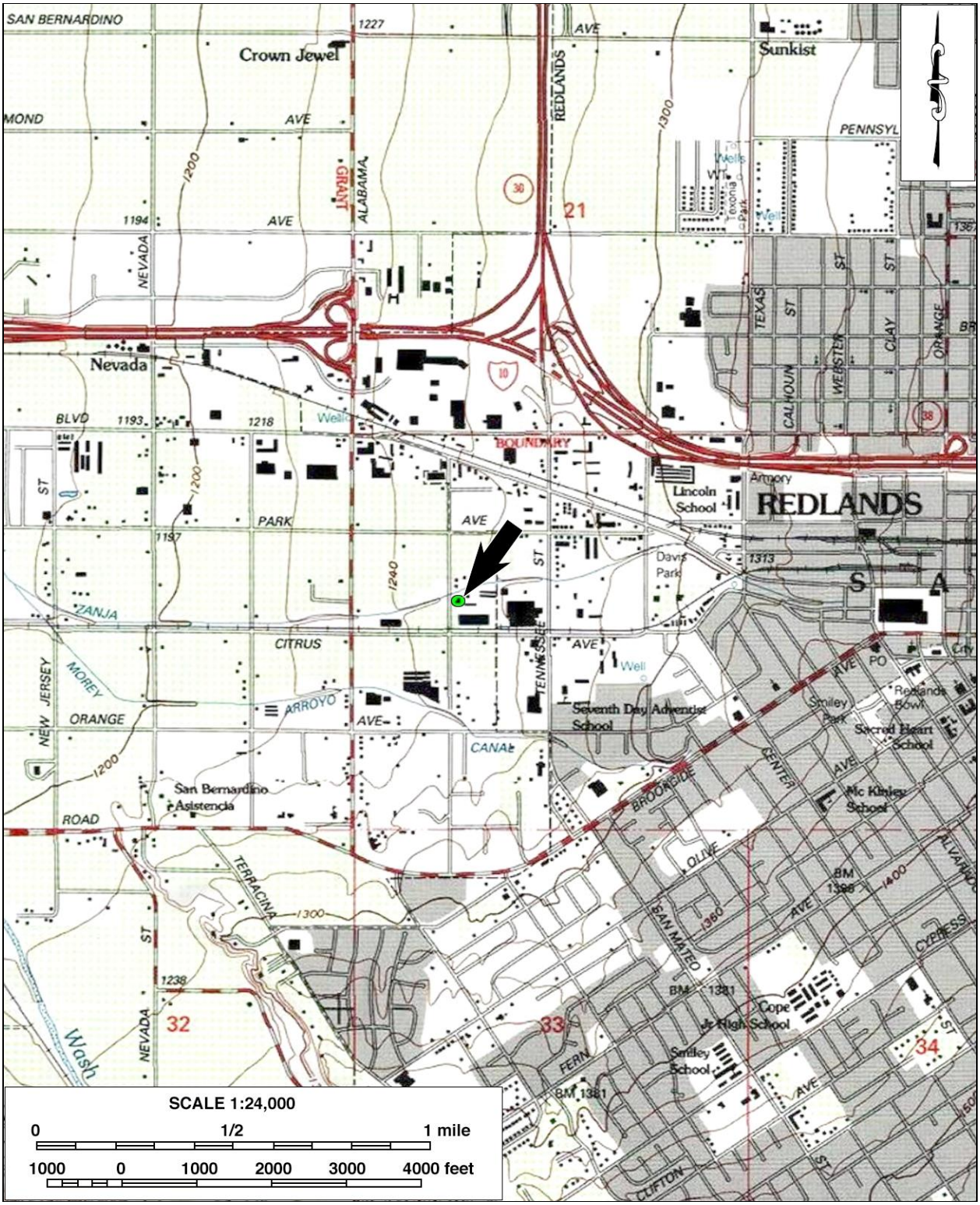
State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI #
Trinomial

Page 3 of 4 *Resource Name or # (Assigned by recorder) CRM TECH 3963-2H

*Map Name: Redlands, Calif. *Scale: 1:24,000 *Date of Maps: 1996



Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***B10. Significance (continued):** Another historical theme that the residence is associated with is the post-World War II boom in urban/suburban development throughout the U.S. and especially in southern California. While the residence retains sufficient integrity to relate to these patterns of events, it does not demonstrate a unique, significant, or particularly close association with the historical themes in comparison to the numerous other residential buildings of similar character and similar vintage that survive in and around Redlands.

The historical background research has not identified any persons or specific events of recognized significance in the history of the residence, nor any prominent architects, designers, or builders in association with its construction. Architecturally, the building is essentially vernacular in appearance, owing partly to the alterations, and does not represent an important example of its style, type, period, region, or method of construction. With no notable qualities in design or construction, no documented historical association of importance, and little potential to yield any historical information, the residence at 360 Kansas Street does not appear to meet any of the criteria for listing the National Register of Historic Places or California Register of Historical Resources.

From:	Ryan Nordness
To:	Sean Reilly
Subject:	RE: City of Redlands AB-52 Tribal Consultation Notice - CRA-948, Tennessee Warehouse Project
Date:	Monday, September 26, 2022 12:51:06 PM

[**NOTICE:** This message originated outside of City of Redlands -- **DO NOT CLICK** on **links** or open **attachments** unless you are sure the content is safe.]

Hello Sean,
Thank you for contacting the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians) regarding the above referenced project. YSMN appreciates the opportunity to review the project documentation, which was received by our Cultural Resources Management Department on September 22nd, 2022, pursuant to CEQA (as amended, 2015) and CA PRC 21080.3.1. The proposed project area exists within Serrano ancestral territory and, therefore, is of interest to the Tribe. However, due to the nature and location of the proposed project, and given the CRM Department's present state of knowledge, YSMN does not have any concerns with the project's implementation, as planned, at this time. As a result, YSMN requests that the following language be made a part of the project/permit/plan conditions:

CUL MMs

1. In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed within TCR-1, regarding any pre-contact and/or historic-era finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

2. If significant pre-contact and/or historic-era cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to YSMN for review and comment, as detailed within TCR-1. The archaeologist shall monitor the remainder of the project and implement the Plan accordingly.

3. If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.

TCR MMs

1. The Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed in CR-1, of any pre-contact and/or historic-era cultural resources discovered during project implementation, and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with YSMN, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents YSMN for the remainder of the project, should YSMN elect to place a monitor on-site.

2. Any and all archaeological/cultural documents created as a part of the project (isolate

records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to YSMN. The Lead Agency and/or applicant shall, in good faith, consult with YSMN throughout the life of the project.

Note: Yuhaaviatam of San Manuel Nation realizes that there may be additional tribes claiming cultural affiliation to the area; however, Yuhaaviatam of San Manuel Nation can only speak for itself. The Tribe has no objection if the agency, developer, and/or archaeologist wishes to consult with other tribes in addition to YSMN and if the Lead Agency wishes to revise the conditions to recognize additional tribes.

Please provide the final copy of the project/permit/plan conditions so that YSMN may review the included language. This communication concludes YSMN's input on this project, at this time, and no additional consultation pursuant to CEQA is required unless there is an unanticipated discovery of cultural resources during project implementation. If you should have any further questions with regard to this matter, please do not hesitate to contact me at your convenience, as I will be your Point of Contact (POC) for YSMN with respect to this project.

Respectfully,
Ryan Nordness

From: Sean Reilly <sreilly@cityofredlands.org>
Sent: Thursday, September 22, 2022 2:34 PM
To: Sean Reilly <sreilly@cityofredlands.org>
Subject: City of Redlands AB-52 Tribal Consultation Notice - CRA-948, Tennessee Warehouse Project

Good afternoon,
Please see the attached AB-52 Project Notification.

In accordance with Assembly Bill 52, the City of Redlands is sending this notice to inform California Native American tribes that have requested such notice of a project application within a geographic area with which the tribe is traditionally and culturally affiliated. California Public Resources Code §21080.3.1 requires this notice within 14 days of the City determining this application is complete and/or after the City has decided to undertake a project. California Native American tribes have 30 days from the date of this notice to request consultation with the City regarding this project.

Please contact me with any questions.

Thank you,

Sean Reilly
Principal Planner
City of Redlands
35 Cajon St., Ste. 20/P.O. Box 3005
Redlands, CA 92373
Office 909.798.7555 ext. 7344
Fax 909.792.8715

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If you are on a mobile device, forward the suspicious email to spam@sanmanuel.com.

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Phase I Environmental Site Assessment

301 Tennessee Street and 360 Kansas Street
Redlands, California 92373

March 31, 2022

Prepared for:

Duke Realty Corporation

Prepared by:

Roux Associates, Inc.
5150 East Pacific Coast Highway, Suite 450
Long Beach, California 9080

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

2968.0012L100/R

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Executive Summary

Duke Realty Corporation (Duke, the User) retained Roux Associates, Inc. (Roux) to perform a Phase I Environmental Site Assessment (ESA) of the property located at 301 Tennessee Street and 360 Kansas Street, within the City of Redlands, San Bernardino County, California (the Site, Figure 1). According to the San Bernardino County Tax Assessor's office, the Site is comprised of parcels with Assessor's Parcel Numbers (APNs) 0292-192-11 and 0292-192-14 (see Figure 2). Roux performed this Phase I ESA in general accordance with the American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13) in an effort to identify, to the extent feasible, the presence of recognized environmental conditions (RECs) with respect to the Site as defined in ASTM E1527-13. Exceptions to, or deletions from, this practice are described in Section 8.1 of this report.

As noted above, the Site consists of two adjoining parcels located in a commercial and light industrial area of the City of Redlands, California. For the purposes of this report, the two parcels are referred to as Parcel 1 (301 Tennessee Street) and Parcel 2 (360 Kansas Street). Historically, both parcels were cultivated as agricultural orchards from at least the early 1900s into the mid-1960s. Beginning in 1965, commercial development began on Parcel 1 with the construction of a portion of Building 1 and the entirety of Building 3. Building 2 on Parcel 1 was constructed in 1969 and Building 1 was expanded in several phases between 1969 and 1991. The original and only tenant at Parcel 1 was La-Z-Boy, Inc. (La-Z-Boy), a furniture manufacture, which ceased operations in 2019. By 1953, it appears that Parcel 2 had been redeveloped from fruit orchards with a residential structure and chicken ranch operation with multiple chicken coops. Chicken ranch operations reportedly ceased by the early 1990s. La-Z-Boy operations included the use of the eastern portion of Parcel 2 for trailer parking between the mid-1990s and 2019. Parcel 1 and associated buildings are currently vacant; while Parcel 2 remains occupied by the single-family residence and two garage structures.

On March 15, 2022, Roux visually assessed the Site during the site reconnaissance for potential RECs, including, but not limited to, potential underground storage tanks (USTs), aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, hazardous materials storage or handling areas, containerized or bulk wastes, and visual indications of impacted soil.

Roux also performed a records review in an effort to identify RECs in connection with the Site. This records review addressed the Site and surrounding properties. Roux reviewed commercially available records associated with the Site and nearby properties to assess potential concerns associated with the migration of hazardous substances. The records review also included reasonably ascertainable historical data, which can be helpful in identifying the past uses of the Site and surrounding areas, as it may relate to the environmental condition of the Site.

Roux performed interviews and/or file reviews with various government agencies and other parties with possible knowledge of the Site and surrounding properties in an effort to identify current and past uses of the Site and surrounding areas, as they may relate to the environmental condition of the Site.

ASTM E 1527-13 defines a Recognized Environmental Condition (REC) as:

> "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the

environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

A Controlled Recognized Environmental Condition (cREC) as:

> "A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

And a Historical Recognized Environmental Condition (hREC) as:

> "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a *recognized* environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."

This Executive Summary provides a brief overview of the findings of this Phase I ESA. Although the Executive Summary is an integral part of a report, it does not substitute for reading the entire report or the appended or referenced documents in order to fully understand the findings and potential environmental concerns associated with the Site.

Recognized Environmental Conditions (RECs)

Based on the information obtained through the performance of this ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the RECs are shown in Figure 2. To avoid confusion, all RECs, cRECs, hRECs, and OEFs are numbered sequentially.

REC 1 – Historical Release at Former Fire Suppression Water Trap. Based on a review of previous subsurface environmental investigations conducted on Parcel 1, soil and soil vapor in the northern portion are impacted by volatile organic compounds (VOCs), primarily trichloroethene (TCE) and tetrachloroethene (PCE). An initial 1994 soil investigation conducted by RMT, Inc. (RMT) identified VOC and total petroleum hydrocarbon (TPH)-impacted soil in the vicinity of a reported former fire suppression water overflow collection trap (seepage pit). Subsequent soil vapor investigations in 2019 (LOR Geotechnical Group, Inc. [LOR]), 2021 (Partner Engineering and Science, Inc. [Partner]), and 2022 (GSI Environmental, Inc. [GSI]) conducted throughout Parcel 1 laterally delineated the VOC impacts, mainly TCE, and further suggested that the likely origin of contamination was the former seepage pit. Impacted soil vapor throughout Parcel 1 appears to be limited to the upper 15 feet, except at the suspected source area, where investigations have reported TCE in soil vapor at depths of up to 95 feet below ground

surface (bgs). Additionally, groundwater samples collected at a permanent monitoring well (MW-1, located at the suspected former fire trap) have reported TCE concentrations slightly exceeding drinking water standards.

Indoor air investigations conducted within the former La-Z-Boy buildings on Parcel 1, and within Building 1, have shown indoor air is impacted by VOCs. The source of the impacts to indoor air are potentially the result of vapor intrusion, but appear more likely to be caused by foam roofing material, which is known to contain (and potentially off-gas) PCE. The apparent release of VOC-containing materials at the former fire suppression water overflow collection trap, and the resulting soil vapor and groundwater impacts to the Site are considered a REC in the context of this Phase I ESA.

REC 2 – Former 300-Gallon Gasoline UST. According to available records provided by the CSBFD-HMD, a 300-gallon gasoline UST was formerly located on Parcel 2, approximately 50 feet north of the existing residential structure. This former UST was removed on June 26, 1995 under the oversight of the CSBFD-HMD. A confirmation soil sample was collected from beneath the tank invert and analyzed for TPH-gasoline (TPH-g) and gasoline-related VOCs, which were not reported above laboratory reporting limits. The CSBFD-HMD provided regulatory closure in a letter dated July 3, 1995 indicating that no further action was required. However, investigation performed at that time would be unlikely to meet current regulatory closure requirements. Only one confirmation soil sample was collected and there does not appear to have been any soil vapor sampling conducted in the vicinity of the former UST. The investigation following removal is considered insufficient, particularly without soil vapor sampling, and does not rule out potential soil vapor impacts from the historical UST. On this basis, this former UST, while it does have regulatory closure, is considered a REC in the context of this Phase I ESA.

REC 3 – Former Solvent Degreaser. Regulatory records provided by the South Coast Air Quality Management District (SCAQMD) indicate that a solvent degreaser was installed at the Site in 1984. The 1984 Permit to Operate for the degreaser states that “only 1,1,1-trichloroethane [1,1,1-TCA], trichlorotrifluoroethane, methylene chloride, or a combination of these solvents may be used as the cleaning solvent in this equipment”. Roux has not reviewed any Site plans indicating the location of this degreaser feature or if any action was taken to abandon it. The lack of information regarding the location and status of this degreaser is considered a data gap. The historical presence of the degreaser and the associated chlorinated solvent us is considered a REC in the context of this Phase I ESA.

Controlled Recognized Environmental Conditions (cRECs)

Roux did not identify known or suspected cRECs in connection with the current and historical operations at the Site.

Historical Recognized Environmental Conditions (hRECs)

Roux did not identify known or suspected hRECs in connection with the current and historical operations at the Site.

Other Environmental Features (OEFs)

The term recognized environmental condition is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Other environmental features (OEFs) are environmental conditions that do not meet the definition of a REC, but which may warrant mention in a comprehensive Phase I ESA. Based on the subject Phase I ESA, Roux identified the following OEFs. To the extent possible, the locations of the OEFs are shown in Figure 2.

OEF 4 – Former Agricultural Operations and Pesticide Usage. Historical aerial photographs document that the Site and surrounding parcels were consistently occupied by agricultural groves between at least 1900 into the mid-1960s. Although undocumented, the use of organochlorine pesticides (OCPs) was commonplace for similar operations during that time. A limited shallow soil investigation conducted at the Site in 2019 collected and analyzed soil samples for OCPs from seven locations on Parcel 1. Soil samples were collected between 1 and 3.5 feet bgs. The results of this investigation are discussed in Section 6.2. A total of five OCPs, including chlordane, DDE, DDT, dieldrin, and heptachlor epoxide, were detected above laboratory reporting limits, but were not detected above applicable residential or commercial screening levels. Considering the low concentrations of pesticides identified in shallow Site soils, it is unlikely that further investigation would be required if brought to the attention of a regulatory agency. On this basis, the historical pesticide use is considered an OEF in the context of this Phase I ESA.

OEF 5 – Former On-Site Railroad Spur. Based on a review of historical aerials and topographic maps, a former railroad track, identified as the Southern Pacific Railroad (SPRR), was present along current-day West State Street running east to west. Available information suggest that this main railroad line was present between at least 1899 to the late 1980s. Further, available records suggest that a rail spur emanating from this main line was present within the boundary of Parcel 1, just inside the southern border. This on-Site rail spur appears to have been present from at least 1967 (initial development) to the late 1980s. There is conflicting information between aerials and topographic maps on how long the railroad tracks remained, but they appear to have been absent in a 1985 aerial photograph. Railroad spurs can be potential sources of shallow soil contamination from a variety chemical of potential concern. A limited shallow soil investigation was conducted at the Site in 2019 (LOR) in the vicinity of the former railroad spur and off-Site main line. The results of this investigation are discussed in Section 6.2. Shallow soil samples were collected and analyzed for heavy metals, TPH, OCPs and semi-volatile organic compounds (SVOCs). According to LOR, no TPH or SVOCs were detected above laboratory reporting limits. Metals and OCPs were detected but at concentrations below applicable screening levels or typical background concentrations. The historical railroad spur on Site is identified as an OEF in the context of this Phase I ESA.

OEF 6 – Hazardous Chemical Storage. Hazardous chemicals have historically been and are currently stored at the Site. Historically, the La-Z-Boy operations maintained several hazardous materials, as documented in CSBFD-HMD records and previous environmental investigations. Documented hazardous materials formerly utilized by former La-Z-Boy operations included adhesives, heavy duty degreaser, wax, diesel, and hydraulic fluid. No hazardous materials of significant quantity were observed within the former La-Z-Boy facilities. On Parcel 2, hazardous materials were observed in the rear portion of the residential property. Roux observed what appeared to be four (4) 5-gallon containers and three (3) 55-gallon steel drums. The contents of these containers is unknown, but are likely petroleum products

(i.e., used motor oil, lubricating oil) used to maintain a front loader staged nearby. Both throughout Parcel 1 and Parcel 2, Roux did not observe significant staining that could be attributed to hazardous chemical storage. On this basis, current and historical hazardous material storage is considered an OEF in the context of this Phase I ESA.

OEF 7 – Unused Water Well on Site. An unused groundwater well and pump are located to the east of the single family residence on Parcel 2. The groundwater well is reportedly not used and it is unclear if it has been abandoned. This groundwater well is identified as an OEF in the context of this Phase I ESA.

1. Introduction

Roux Associates, Inc. (Roux) completed this Phase I Environmental Site Assessment (ESA) of the commercial property located at 301 Tennessee Street and 360 Kansas Street, City of Redlands, San Bernardino County, California (the Site). The Site location is shown in Figure 1 and the Site and vicinity is shown in Figure 2. Roux performed this Phase I ESA in compliance with the scope and limitations of American Society for Testing Materials (ASTM) E1527-13 and the terms and conditions of Roux' proposal dated March 1, 2022. Roux conducted this Phase I ESA for the benefit of Duke Realty Corporation (Duke, the User).

The following sections of this report present our Phase I ESA findings and conclusions. A glossary containing terms and definitions presented in ASTM E1527-13 is included in Appendix A – Glossary of Terms. Other appendices presented at the end of the report include historical topographic maps, historical aerial photographs, regulatory records review documentation, applicable historical records, and personnel qualifications.

1.1 Purpose

The purpose of this Phase I ESA is to identify and report, to the extent feasible, recognized environmental conditions (RECs) with respect to the Site. Performing a Phase I ESA in general compliance with ASTM E 1527-13 may enable a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. That is, the practice that constitutes one of the requirements for "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35) (B).

1.2 Scope of Services

The scope of services for this Phase I ESA included, but was not limited to, the activities listed below.

- A review of reasonably ascertainable and practicably reviewable topographic maps, historical aerial photographs, and city directories, if available, to investigate past Site conditions;
- A review of specific government lists pursuant to ASTM Standard E 1527-13 regarding environmental activities for the Site and local area properties;
- A review of recorded land title records, building, assessors, and fire department records, for permits, citations, and reports connected to the Site that were reasonably ascertainable, practicably reviewable, and publicly available within reasonable time and cost;
- An inspection by an environmental professional to investigate the current use of the Site and to identify environmental concerns including but not limited to, the presence of hazardous substances or petroleum products, wastes, underground storage tanks (USTs), aboveground storage tanks (ASTs), or other environmental concerns;
- Interviews with available representatives of the owner of the Site, occupants, and local government officials by an environmental professional; and
- Preparation of this Phase I ESA report.

Roux initiated this Phase I ESA pursuant to receipt of written authorization to proceed on March 1, 2022.

1.3 Standard of Care

Roux conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance. Roux conducted this Phase I ESA in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

Please note that the scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Site and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other offsite liabilities.

Additionally, the findings of this Phase I ESA are based on Roux' observations, inquiries, and historical research using reasonably ascertainable and practically reviewable information obtained within reasonable time and cost constraints. Roux does not represent that this Phase I ESA is an exhaustive investigation that reflects the findings of all of the information available for the Site, nor is it representative of future Site conditions. If additional information is generated from the Site, it should be provided to Roux so that we may evaluate its impact on our conclusions. As such, activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. It is not intended that a Phase I ESA in accordance with ASTM E1527-13 be an exhaustive assessment of a property nor can it wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a property.

1.4 Assumptions

This Phase I ESA Report, including the exhibits attached hereto, describes the results of Roux' investigation to identify the presence of *recognized environmental conditions* connected with the Site in accordance with ASTM E1527-13, as allowed by and consistent with the regulatory requirements of the All Appropriate Inquiry Rule, 40 CFR Part 312, Amendment to Standards and Practices for All Appropriate Inquires Under CERCLA, Final Rule, published December 30, 2013 (AAI Rule). Specifically, the preamble to the amended AAI Rule states:

> *The Environmental Protection Agency (EPA) today is taking final action to amend the standards and practices for conducting all appropriate inquiries under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to reference a standard practice recently made available by ASTM International, a widely recognized standards development organization. Specifically, this final rule amends the "All Appropriate Inquiries Rule" at 40 CFR Part 312 to reference ASTM International's E1527–13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" and make clear that persons conducting all appropriate inquiries may use the procedures included in this standard to comply with the All Appropriate Inquiries Rule*[1].

[1] Federal Register: December 30, 2013 (Volume 78, Number 250) Page 79319

One of the requirements that a person acquiring real property must meet in order to qualify for either the innocent landowner, contiguous owner, or bona fide prospective purchaser (collectively hereinafter "Prospective Purchaser") defense to liability under the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and the Small Business Liability Relief and Brownfields' Revitalization Act of 2002, 42 U.S.C. 9601-9675 (collectively referred to hereafter as "CERCLA") is that person must conduct all appropriate inquiries into the previous ownership and uses of the property in conformance with the AAI Rule (or the ASTM E1527-13) prior to acquisition of the property. The User has acknowledged that, under the AAI Rule, Roux' performance of this Phase I ESA in accordance with ASTM E1527-13 will not alone result in the User satisfying all requirements of the AAI Rule and will not in itself provide a defense to CERCLA liability. The User has acknowledged that the AAI Rule also requires that the Prospective Purchaser undertake certain additional inquiries and post-acquisition activities to satisfy the CERCLA AAI requirements. Accordingly, Roux makes no guarantees or warranties, expressed or implied, regarding this Phase I ESA, including without limitation, that this Phase I ESA will qualify the User for a defense to CERCLA liability.

Roux has performed this Phase I ESA in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Professional judgments expressed herein are based on the facts currently available to Roux.

The AAI Rule requires, and the conclusions and recommendations stated herein represent, the application of a variety of engineering and technical disciplines to material facts and conditions associated with the Site. As such, these conclusions and recommendations are based on subjective interpretations and the exercise of discretion based on the facts available to Roux and conditions at the time of the performance of this Phase I ESA. Many of these facts and conditions are subject to change over time. Accordingly, the conclusions and recommendations must be considered within this context.

The User has agreed that Roux shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this Phase I ESA was performed. To the extent practicable, Roux has identified data gaps, and has evaluated the potential significance of such data gaps. Recommendations to address those data gaps are presented herein and are based on the data available at the time of the performance of this Phase I ESA. Implementation of the recommendations may not fully address the data gaps, and the information obtained from execution of those recommendations may alter and/or modify the interpretation of the Site conditions and conclusions, herein. This Phase I ESA does not include consideration of matters specifically excluded by ASTM E1527-13, including but not limited to, asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, and mold unless specifically identified herein.

Roux has not collected any soil and/or groundwater samples on the Site for Phase I purposes, and is relying on information presented by others, often in preliminary, draft, or verbal form. By referencing this information, Roux does not accept responsibility for the accuracy of the underlying data, sampling methods, laboratory analysis, or documentation.

This Phase I ESA Report should not be considered a legal interpretation of existing environmental laws and regulations. This Phase I ESA was conducted with a reasonable degree of inquiry to identify *recognized environmental conditions*, but uncertainty is not eliminated. No Phase I ESA can wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a property.

The Phase I ESA process is intended to reduce, but not eliminate, the uncertainty involved with identifying *recognized environmental conditions*.

This Phase I ESA Report is not an appraisal or value judgment of the Site. The User has agreed that Roux shall not be liable for any use of this Phase I ESA Report as an appraisal or value judgment of the Site.

This Phase I ESA Report has been prepared for the exclusive use of the User for specific application to the Site covered by this Phase I ESA Report. The User has agreed that any third-party use of this Phase I ESA Report, upon disclosure by the User, is the sole responsibility and at the sole liability of the User.

1.5 User Reliance

No additional parties may use the information contained in this report without obtaining the written permission of Roux or the User. Roux' duties and obligations extend to the User and to no other party. Roux' duties and obligations to the User are not transferable to persons, corporations, or organizations without the express written consent of the User and Roux. The User may rely upon the information provided in this Phase I ESA report for a period of 180 days from the date of issue. After 180 days, this Phase I ESA should be updated in accordance with ASTM guidance. Roux will not be liable for any consequential damages arising from the use of this report for other than its intended purpose, for use of this report beyond 180 days of its issue date, or from unauthorized use by third parties.

This Phase I ESA report must be read and interpreted as a whole and can only be considered representative of the conditions of the Site as of the date of our site reconnaissance described herein. Roux makes no representation whatsoever concerning the condition of the Site beyond the date of our site reconnaissance described herein. Individual sections and appendices of this report are dependent on the balance of this report, and on the terms, conditions, and stipulations contained in the proposal and written amendments accepted by Roux.

2. Site Description

2.1 Site Location and Description

Site Information	
Site Name	Former La-Z-Boy West Facility (referring to Parcel 1)
Street Address(es)	Parcel 1: 301 Tennessee Street Parcel 2: 360 Kansas Street
City	Redlands
County	San Bernardino
State	California
Location	Situated between Kansas Street to the west, Tennessee Street to the east, West State Street to the south
Assessor's Parcel Number (APN)	Parcel 1: 0292-192-11 Parcel 2: 0292-192-14
Site Acreage (per San Bernardino County Assessor)	Parcel 1: 8.2 acres Parcel 2: 2.81 acres
Site Occupant(s)	Parcel 1: Vacant commercial building Parcel 2: Private residence and vacant property
Onsite Operations	Parcel 1: None, formerly La-Z-Boy manufacturing facility Parcel 2: Private residence in the western portion. Eastern portion of parcel is vacant.
Description of Onsite Structures	**Parcel 1** Building 1: Approximately 181,500 square foot warehouse structure Building 2: Approximately 12,000 square foot warehouse structure Building 3: Approximately 1,355 square foot structure **Parcel 2** One single-story residential dwelling and two sheet metal structures
Site Paving	Parcel 1: Primarily paved asphalt with landscaping and areas of concrete pavement. Parcel 2: Historical aerials show that the eastern portion of Parcel 2 has an asphalt paved layer, but the western portion is generally unpaved.
Site Grading	Parcel 1: Graded to drain to multiple areas with stormwater directed off-Site to the north, west and south. Parcel 2: Generally flat with a gradual slope to the north.
Site Vicinity	Primarily commercial and light industrial

Refer to Section 5.0 for a detailed description of the current condition of the Site and operations.

2.2 Vicinity General Characteristics

The facilities and improvements which are located immediately adjacent to the Site are provided in the following table.

Direction from Site	Improvements / Use (Addresses)
North	The Mission Zanja historical irrigation canal, now an intermittent tributary of the Santa Ana River followed by various commercial properties
Northeast	Tennessee Street followed by various commercial properties
East	Tennessee Street followed by a private residence
Southeast	Intersection of Tennessee Street and Kansas Street followed a Covenant Family Church (278 Tennessee Street #6), a Redland community News, a newspaper publisher (296 Tennessee Street) and a park
South	West State Street followed by Southern California Edison office and maintenance yard (287 Tennessee Street)
Southwest	Commercial structure occupied by Toy Locker RV and Boat Storage (300 Kansas Street), followed by intersection of Kansas Street and West State Street
West	Kansas Street followed by commercial warehouse occupied by Rettig Machine, a machine workshop (301 Kansas Street)
Northwest	Kansas Street followed by Santa Ana River and then commercial property, including Custom Material Sales (377 Kansas Street)

2.3 Past Use of the Site

The entire Site, both parcels, were historically utilized as agricultural fruit orchards from at least 1900, and likely earlier, into the mid-1960s. From at least 1930, a rural residence and garage were located in the southeast corner of Parcel 1. Beginning in 1965, the eastern portion of present-day Building 1 was constructed on Parcel 1 (initial 72,000 square feet) along with Building 3, the smallest structure. According to provided City of Redlands building permits, additions were made to Building 1 in 1969 (28,000 square feet), 1972 (43,600 square feet), 1973 (800 square feet), 1986 (21,000 square feet), and 1991 (9,225). Building 2, approximately 12,000 square feet, was constructed in 1969. Since commercial development in 1965, Parcel 1 has been occupied by La-Z-Boy, which recently vacated the Site in 2019. By 1953, it appears that Parcel 2 had been redeveloped with a residential dwelling and long rectangular structure, identified as a chicken coop. Chicken ranch operations on Parcel 2 would be expanded to occupy the entire parcel by 1959 and remained until their removal in the early 1990s. The residence in the western portion of Parcel 2 is still present. Between the mid-1990s to 2019, the eastern half of Parcel 2 was utilized as parking and storage of tractor trailers associated with the adjacent La-Z-Boy facility on Parcel 1; which ceased operations in 2019.

2.4 Physical Setting

Roux obtained and reviewed published, reasonably ascertainable information concerning the physical setting of the Site. The following is a summary of the information reviewed from those physical setting sources.

Physical Setting Summary	
United States Geological Survey (USGS) Topographic Map	Redlands, California Quadrangle

Physical Setting Summary	
Approximate Site Elevation / Source	1,245 to 1,265 feet above mean sea level (msl) / Redlands, California (2012) 7.5-minute quadrangle topographic map published by the USGS
Nearest Surface Water Features / Approximate Distance	Santa Ana River, located approximately 2.5 miles north of the Site
Regional Geology / Source	Site is located within Peninsular Ranges Geomorphic Province of Southern California near the San Bernardino Mountains. Vicinity is underlain by middle Holocene axial-valley alluvium deposits consisting of slightly to moderately consolidated silt, sand and gravel.
Site Topography / Source	Generally flat with a gradual slope to the west / Site observations and USGS topographic map
Hydrogeological Region / Source	Located the Upper Santa Ana Valley Groundwater Basin within the eastern portion of the Bunker Hill Subbasin, approximately two and half miles south of the Santa Ana River, which is typically dry.
Depth to Groundwater / Source	Approximately 112 to 115 feet below ground surface (bgs) / GSI, 2022
Groundwater Gradient Direction / Source	West to southwest / Groundwater monitoring data from *Draft Results of Limited Phase II Site Investigation* at Parcel 1 (GSI, 2022)
Onsite Soil	The Site is generally underlain with poorly graded sands, silty sands, and silty sands with gravel down to 100 feet bgs (GSI 2022)

3. Sources of Information

Sources of information utilized in preparing this Phase I ESA report included historical topographic maps; historical aerial photographs; a walkover survey of the Site and adjoining properties; in-person discussions with User and tenant personnel; a review of records available at selected local and state regulatory agencies; a review of databases maintained by local, state, and federal government agencies; and other records available from commercial and online sources.

3.1 Historical Sources

To help understand the history of the Site and past land uses, historical sources were obtained from Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut. The sources and locations within the Appendices are provided in the table below.

EDR Historical Sources		
Historical Range	**Source**	**Appendix**
1989 - 2018	U.S. Geological Survey Topographic Maps Nationwide Environmental Title Research LLC (NETR) Historical Aerials Database	B
1930 - 2016	EDR Aerial Photographs "Decade Package" NETR Historical Aerials Database Google Earth	C
No Available Coverage	EDR "Certified Sanborn® Map Report"	D
1965 - 2017	EDR "City Directory Image Report"	E

Note: Due to copyright restrictions, the aerial photographs and topographic maps reviewed on Google Earth and NETR Historical Aerials Database were not included in the appendices.

3.2 Site Reconnaissance

On March 15, 2022, Roux personnel conducted a reconnaissance of the Site, including the interior of Building 1. Roux did not access the interior of Buildings 2 and 3 on Parcel 1, but was able to view portions of the interior from exterior windows. Roux did not access the interior of the residence located on Parcel 2. The observations made during the Site reconnaissance are discussed in Section 5.0 and throughout the report. A photographic log of the Site reconnaissance is included as Appendix G.

3.3 Regulatory Agencies

Roux contacted governmental agencies for reasonably ascertainable information concerning environmental conditions at the Site. Roux contacted or reviewed information from the agencies provided in the following table. Refer to Appendix H – Pertinent Regulatory Records for copies of the records reviewed. A summary of the information gathered from the regulatory agencies is provided in the table and details regarding the records were incorporated into applicable sections as noted.

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
Federal				
U.S. Environmental Protection Agency (EPA) – FOIAonline	3/7/2022	3/18/2022	No records were associated with the Site.	N/A
U.S EPA MyProperty Database	3/7/2022	N/A	No records were associated with the Site.	N/A
National Pipeline Mapping System (NPMS) Online Database	3/7/2022	N/A	No records were associated with the Site and no pipelines were mapped within a 1-mile radius of the Site.	N/A
State				
State Water Resources Control Board (SWRCB): GeoTracker Online Database	3/7/2022	N/A	No records were associated with the Site. Only one release case is mapped within a 1,000 feet radius of this Site. This case, a closed Leaking Underground Storage Tank (LUST) case, is discussed in Section 7.0.	7.0
SWRCB: Storm Water Multiple Application and Report Tracking System (SMARTS) Online Database	3/7/2022	N/A	Available records provided by the SMARTS Online Database are discussed below.	3.3.1
Department of Toxic Substances Control (DTSC)	3/2/2022	3/3/2022	No records were associated with the Site.	N/A
DTSC: EnviroStor Online Database	3/2/2022	N/A	No records were associated with the Site. No listings were identified within 1,000 feet of the Site.	N/A
DTSC: Hazardous Waste Tracking System (HWTS) Online Database	3/7/2022	N/A	Several documents tracked the types and quantities of hazardous waste transported off Site for disposal between 1994 and 2019.	3.3.2
California Air Resources Board (CARB)	3/2/2022	3/7/2022	No records were associated with the Site.	N/A

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
California Office of Environmental Health Hazard Assessment (OEHHA)	3/2/2022	3/15/2022	No records were associated with the Site.	N/A
CalEPA CalRecycle	3/2/2022	3/4/2022	No records were associated with the Site.	N/A
CalEPA CalRecycle Solid Waste Information System (SWIS) Online Database	3/7/2022	N/A	No records were associated with the Site.	N/A
State of California Department of Conservation: Geological Energy Management (CalGEM) Online Database	3/7/2022	N/A	There are no wells on Site and none within a one-mile radius of the Site.	N/A
County / Regional				
Santa Ana Regional Water Quality Control Board (SARWQCB)	3/2/2022	3/4/2022	Parcel 1: SA-RWQCB referred to records associated with storm water which were reviewed and discussed in the SMARTS section above. Parcel 2: No records were associated with the Site.	N/A
South Coast Air Quality Management District (SCAQMD)	3/2/2022	3/16/2022	Parcel 1: Records identified for the Site included facility equipment list reports, permits to operate, and notices of violation (NOVs). Parcel 2: No records were associated with the Site.	3.3.3
SCAQMD Facility Information Detail (FIND) Online Database	3/7/2022	N/A	Records identified for the Site included facility equipment list reports, permits to operate, and NOVs. These records are similarly to those provided directly by SCAQMD and are discussed together below.	3.3.3
County of San Bernardino Fire Protection District: Hazardous Materials Division (HMD)	3/2/2022	3/10/2022	The CSBFD-HMD provided available records for review which are discussed below.	3.3.4
County of San Bernardino Department of Public Health (DPH) – Environmental Health Services (EHS)	3/2/2022	3/7/2022	No records were associated with the Site.	N/A

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
City / Local				
City of Redlands	3/2/2022	3/31/2022	Parcel 1: The City of Redlands provided historical permits associated with the address 301 Tennessee Street which are discussed below. Parcel 2: As of the publishing of this report, a response is still pending regarding this address.	3.3.5

3.3.1 SMARTS Online Database

According to the SMARTS online database, there are three listings for the former La-Z-Boy facility located at 301 Tennessee Street. The statuses of these industrial wastewater permits are terminated (WDID 8 36I027814), no action required (WDID 8 36NNA000237) and undetermined (WDID: non-filer). No other pertinent information was obtained from available files provided by SMARTs.

3.3.2 DTSC: HWTS Online Database

The Site is listed as La-Z-Boy (CAD005544465) at 301 Tennessee Street, and is registered as a permanent and inactive state generator, which expired as of 6/30/2020. Available information shows the facility generated hazardous waste between 1994 to 2019. Referenced documented waste included asbestos containing waste, unspecified aqueous solution, oxygenated solvents, hydrocarbon solvents, waste oil and mixed oil, unspecific oil-containing waste, adhesives, off-spec-aged-or surplus organics, liquids with halog organic compounds. Notably, the majority of this hazardous waste was generated and removed in 2019 and likely coincided with La-Z-Boy facility operations ceasing and vacating the Site.

The Site is listed as Hahan Contractors (CAC002775116) at 301 Tennessee Street, and is registered as a temporary and inactive state generator, which expired as of 9/16/2014. Available information shows that the facility generated 0.23 tons of asbestos containing waste in 2014.

The Site is listed as Alex Kimm (CAC001052608) at 360 Kansas Street, and is registered as a temporary and inactive state generator, which expired as of 10/25/2000. Available information indicates that at least 0.4 tons of unknown hazardous waste was removed in 1995; however previous environmental report indicate that the hazardous waste was “empty containers of 30 gallons or more” (Northgate, 2020).

3.3.3 SCAQMD and FINDs

The Site is listed as La-Z-Boy (ID 24248), at 301 Tennessee Street, and is listed as an active facility. Records provided by both SCAQMD and the online FINDs database included facility equipment list reports, permits to operate, and NOVs. Permitted equipment that reportedly existed at the La-Z-Boy facility included a drying oven, a dip tank for coating paint, a degreaser for methylene chloride, and up to up spray paint booths. Available documents indicate that at least two of these spray booths were glue spray booths. Available Permits to Operate indicate that the spray booths were installed between 1978 and 1981 and the degreaser was installed in 1984. The 1984 PTO for the degreaser states that “only 1,1,1-trichloroethane [1,1,1-TCA], trichlorotrifluoroethane, methylene chloride, or a combination of these solvents may be used as the cleaning solvent in this equipment”. The location of these features is unknown and Roux has not reviewed any diagrams or maps indicating their approximate locations. A SCAQMD Inspection Report from May 7, 2019 indicated that only two spray booths were in operation at the time.

SCAQMD/FINDS records also documented the removal of asbestos containing floor tiles in 2010 and the installation of the sub-slab depressurization system (SSDS) in 2020. The SSDS contains 25 subsystems located throughout the Site. Roux has not reviewed a diagram or map of the SSDS layout.

Provided SCAQMD/FINDS records are included in Appendix H.

3.3.4 County of San Bernardino Fire Protection District: Hazardous Materials Division (HMD)

In letters dated March 10, 2022, the CSBFD-HMD indicated that they have available records related to both Parcels 1 and 2. For Parcel 1, address 301 Tennessee Street, Roux conducted an in-person file review of

records that primarily pertained to hazardous materials and hazardous waste on Site. While there were no hazardous materials reviewed during the Site reconnaissance, CSBFD-HMD inventory list from 2011 report that historical hazardous materials previously stored on Site included multiple containers of adhesive (stored in 5-270 gallon containers), two 270-gallon totes of Cal Foam Bond 100, one 287-gallon propane tank, two 55-gallon drums of heavy duty degreaser, four 55-gallons drums of AW-60 wax, 1,000 pound pallet of poly glue, four 55-gallon drums of diesel, two 55-gallon drums of hydraulic fluid, and seven 55-gallon drums of universal waste (aerosols). A 2017 facility inspection report by the SBCFD-HMD states that the facility does not generate hazardous waste.

For Parcel 2, address 360 Kansas Street, CSBFD-HMD provided 11 pages of records documenting the removal of a 300 gallon gasoline UST on June 26, 1995. This 300-gallon UST was reportedly located approximately 50 feet north of the residential building. The installation date of this UST is unknown. One confirmation soil sample was collected from beneath the tank invert and laboratory analysis for total petroleum hydrocarbons-gasoline (TPH-g) and gasoline related volatile organic compounds (VOCs, (benzene, toluene, ethylbenzene, xylenes [BTEX]) were not reported above laboratory reporting limits. The CSBFD-HMD provided regulatory closure in a letter dated July 3, 1995 indicating that no further action was required. No other records pertaining to hazardous materials were provided for Parcel 2.

CBSBFD-HMD records are included in Appendix H.

3.3.5 City of Redlands

The City of Redlands provided a package of historical building permits associated with the address 301 Tennessee Street. Reviewed records were primarily related to the development and expansion of existing buildings, tenant improvements, and typical building permits (i.e., fire sprinklers, heating, ventilation, and air conditioning [HVAC] modifications, electrical, plumbing and sewer work). Roux did not identify any pertinent information from the available permits related to former features such as the degreaser or fire suppression pit. City of Redlands records are included in Appendix H.

At the time of this publication, a response for the address 360 Kansas Street is still pending.

3.4 Government Databases

To document potential sources of contamination at or near the Site, a government records search was conducted by EDR. The search included local, state, and federal records for the Site and for other properties within ASTM-standard distances of the Site. The records search is summarized in Section 7.0 and a copy of “The EDR Radius Map™ Report with GeoCheck®,” dated March 3, 2022, is included in its entirety as Appendix F. As recommended by ASTM, all but a few of the databases searched were “current,” i.e., had been updated within 90 days prior to the search date.

3.5 User Provided Information

ASTM E1527-13 provides that the User perform certain tasks. The purpose of this section is to present select User-provided information that can assist in identifying possible *recognized environmental conditions* in connection with the Site. According to ASTM E1527-13, these tasks do not require the technical expertise of an environmental professional and the environmental professional generally does not perform these tasks. Roux administered a questionnaire to the User at the beginning of this Phase I ESA to assist them with these tasks; however, the completed questionnaire has not been returned to Roux as of this report date.

4. Site History

This section documents the history of the Site and describes current conditions and existing or former environmental features.

4.1 Site History

The history of the Site and, to a lesser extent, the surrounding area, including previous land use, has been compiled based on information from the exhaustive list of sources provided in Section 3.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
Predevelopment History				
Pre-1900	1899	Historical Topographic Map: Redlands (15-minute)	Both parcels are undeveloped.	Adjacent north of the Site, which includes both parcels, is a natural channel traveling generally along the present day Mission Zanja Creek flood control channel, now is a tributary of the Santa Ana River. South of the Site, and immediately adjacent to Parcel 1, is the east-west trending railroad line, identified as the Southern Pacific Railroad – Redlands and San Bernardino Motor Line.
1900s	1901	Historical Topographic Map: Redlands (15-minute)	Same as previous description.	Same as previous description.
1910s	No resources available for review.			
1920s	No resources available for review.			
Agricultural Development				
1930s	1930	EDR Aerial Photograph	The Site, both parcels, are developed with agricultural groves. There appears to be a small structure, likely a residence, in the southeast corner of Parcel 1.	The Mission Zanja Creek channel is present north of the Site and the aerial image shows increased vegetation around the channel. Much of the surrounding area is agricultural groves with limited rural residential.
	1938	EDR Aerial Photograph	Same as previous description.	Same as previous description.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
	1949	EDR Aerial Photograph	Same as previous description.	Same as previous description.
1950s	1953	EDR Aerial Photograph	Parcel 1 remains unchanged from previous aerial descriptions. On Parcel 2, there are new structures, including a long rectangular structure that previous information has identified as a chicken coop associated with a chicken ranch. The majority of Parcel 2 is still occupied by agricultural groves.	Same as previous description.
	1954	Historical Topographic Map: Redlands (7.5-minute)	The Site is mapped as agricultural groves with a residential structure in the southeast corner of Parcel 1 and southwest corner of Parcel 2.	The intermittent Mission Zanja Creek channel is present to the north and the Southern Pacific Railroad is present to the south, along Citrus Avenue, which is the present-day West State Street.
	1959	EDR Aerial Photograph	Parcel 1 remains entirely occupied by agricultural groves and a small structure, likely residential in the southeast corner. Parcel 2 is cleared of agricultural groves and there appear to be two new rectangular structures associated with the chicken ranch operations.	Vicinity conditions are primarily agricultural groves, including immediately adjacent parcels; although there is limited commercial and residential development.
Commercial Redevelopment				
1960s	1966	EDR Aerial Photographs	Parcel 1 is cleared of agricultural groves and is being developed with the eastern half of the currently existing commercial warehouse structure (Building 1) and the smaller Building 3. Parcel 2 has three rectangular chicken coops and what appears to be the existing residential structure in the southwest corner of the Site.	Immediately adjacent parcels to the east and south are developed with commercial structures, some resembling the current Site conditions. Adjacent parcels to the southwest, west and north are still agricultural groves. There is significant development, likely commercial, to the northeast.
	1967	Historical Topographic Map: Redlands (7.5-minute)	Parcel 1 is mapped with Buildings 1 and 3 observed in the 1966 aerial photograph.	Vicinity conditions are consistent with previous conditions.
	1968	EDR Aerial Photograph	The eastern half of Parcel 1 is developed with a portion of Building 1 and then the smaller Building 3. The eastern half of Parcel 1 is undeveloped. Conditions are Parcel 2 remain unchanged from previous descriptions.	Immediately adjacent parcels to the southwest and south are no longer agricultural groves and appear to be in the process of commercial development.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
1970s	1973	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	Same as previous description.
	1975	EDR Aerial Photograph	Parcel 1 is now developed with commercial structures resembling present-day conditions. Building 1 has been expanded with an addition to the west side and Building 2 is now present in the northwest corner of the parcel. Parcel 2 is still occupied by the chicken ranch and residential structure.	The Site vicinity has undergone significant redevelopment with primarily commercial/light industrial development to the north, east and south. Property to the west is still agricultural groves. The Mission Zanja Channel to the north of the Site is present.
1980s	1980	Historical Topographic Map: Redlands (7.5-minute)	This map shows the added development to Building 1 and structures associated with the chicken ranch operations on Parcel 2.	Same as previous description.
	1985	EDR Aerial Photograph	Same as previous description.	Same as previous description.
	1988	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	Same as previous description.
	1989	EDR Aerial Photograph	Same as previous description.	Same as previous description.
1990s	1994	EDR Aerial Photograph	Parcel 1 is unchanged from previous descriptions. Parcel 2 has been cleared of the rectangular chicken coop structures, but the residential structure in the southwest corner is still present. There are storage containers located in the southeast corner of Parcel 2.	Previously observed agricultural development to the west has been replaced with commercial development. Much of the surrounding development resemble present-day conditions, which are primarily commercial operations.
	1996	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	Same as previous description. The adjoining street to the south is still identified as Citrus Avenue and the railroad line is still mapped.
2000s	2002	EDR Aerial Photograph	Parcel 1 is unchanged from previous descriptions. The central and eastern portion of Parcel 2 is being utilized for storage of truck trailers from the adjacent La-Z-Boy facility.	Same as previous description.
	2006	EDR Aerial Photograph	Same as previous description.	Same as previous description.
	2009	EDR Aerial Photograph	Same as previous description.	Same as previous description.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
2010s	2012	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	The adjoining street to the south, formerly Citrus Avenue, is now labeled as West State Street.
		EDR Aerial Photograph	Same as previous description.	Same as previous description.
	2015	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	Same as previous description.
	2016	EDR Aerial Photograph	Same as previous description.	Same as previous description.
	2018	Historical Topographic Map: Redlands (7.5-minute)	Same as previous description.	Same as previous description.
2020s	2022	Site Reconnaissance	Parcel 1 and the eastern portion of Parcel 2 were vacant from previous operations; although Buildings 1, 2 and 3 remain. The western portion of Parcel 2 contains a residence, a garage structure and small shed structure.	Same as previous description.

5. Current Site Conditions

A Roux representative conducted a reconnaissance of the Site and surrounding areas on March 15, 2022. During the Site visit, Roux representative Mr. Justin Allen visited the Site and received access to the building on Parcel 1 from facility manager located across Tennessee Street to the east. Roux also visually and/or physically observed adjoining properties from reasonably accessible locations on the Site and public thoroughfares. During the Site reconnaissance, the weather was clear and the temperature was approximately 80° Fahrenheit. The following sections summarize observations during the inspection. Roux documented the Site Reconnaissance with photographs which are provided in Appendix G.

5.1 Site Reconnaissance

Parcel 1 contains three commercial buildings formerly utilized as the La-Z-Boy facility. All three buildings were completely vacated at the time of this Site reconnaissance. Building 1 is an approximately 181,500 square foot structure formerly used for manufacturing and assembly of furniture. In the eastern portion of Building 1 is office space, conference rooms, a cafeteria, and restrooms. The central and western portions of Building 1 were former reportedly utilized for manufacturing, storage and shipping of La-Z-Boy products, primarily furniture. Much of Building 1 was completely empty with the exception of metal racks in former storage areas. Roux observed multiple electrical panels and a handful of dry-type transformers inside Building 1. With the exception of main water lines, most utilities, including HVAC, appeared to be installed overhead. Roux observed components of the sub-slab depressurization system (SSDS), including vent riser piping and magnehelic gauges, situated throughout Building 1. There are multiple loading docks along the western side of Building 1. Two large piles of roofing insulation were located outside the west and north sides of Building 1. Roux was not able to access Building 2 but observations from an exterior window showed that the building was vacant, but did contain storage racks, furniture and other miscellaneous items. No chemicals or common chemical storage containers (i.e., drums or totes) were observed. Building 2 also contained one loading dock. Roux was not able to access Building 3 but observations from an opening in the roll up door indicated that it was also vacated. A compressor was observed in the garage portion.

The eastern portion of Parcel 2, that was formerly used at trailer storage for La-Z-Boy, was accessible and vacant. The eastern portion of Parcel 2 is paved with an asphalt-type layer according to historical aerials but much of the pavement was covered in dirt during the Site reconnaissance. The western portion of Parcel 2 is accessible from Kansas Street and is occupied by a private residence. Observations from the eastern portion of Parcel 2 and from Kansas Street noted that the area is unpaved expect for a small driveway. There is a sheet metal garage structure and associated storage shed located behind the residence along the northern portion of the parcel. Roux was unable to fully access this garage and storage shed during this Site reconnaissance. Previous reports have noted that the garage and storage shed were recently used by a masonry contractor for storage of materials and equipment. Also observed in the western portion of Parcel 2 was a boat, a front loader, multiple steel excavator buckets, a bus, and at least 10 shipping containers. The contents of the shipping containers is unknown and previous reports have stated these containers are rented to private tenants for storage.

5.2 Phase I ESA Observations

During Site reconnaissance, Roux personnel attempt to identify any environmental features that may be relevant in the context of the Phase I ESA. The features identified are summarized in the table below. Any such features are discussed in the following subsections.

Feature	Observed on the Site	Observed on an Adjacent Property
Areas of stressed vegetation		
Areas which receive flood or storm water from potentially contaminated areas		
Air Compressor Vent Discharges		
Chemical Storage and/or Use		
Drainage Swales and Culverts	X	
Discharge Areas		
Discolored or Spill Areas		
Drums (55 Gallons or Larger)	X	
Electrical Transformers	X	
Former Agricultural Applied Pesticide Area	X	
Hydraulic Lifts		
Incinerators		
Landfills or Landfarms		
Loading and Unloading Areas	X	
Non-Contact Cooling Water Discharge		
Oil-Water Separator(s)		
Open Areas Away from Production Areas		
Process Area Sinks and Piping		
Rail Cars/Railroad Spurs	X	
Septic Systems Leach Fields or Seepage Pits		
Silos		
Sprayfields		
Storm Sewer and Spill Containment Collection System		
Storm Water Detention Pond		
Surface Impoundments and Lagoons		
Underground / Aboveground Storage Tanks and Associated Piping	X	
Waste Piles	X	

5.2.1 Groundwater Well

Previous environmental reports identified a former groundwater well and pump located to the east of the single family residence on Parcel 2. The groundwater well is reportedly not used and it is unclear if it has been abandoned. Roux has not been able to locate a State or local identifier for this groundwater well.

5.2.2 Drainage Swales/Culverts

Storm drains (catch basins) were observed throughout the parking areas of the Site, particularly on Parcel 1, with flow being directed primarily to the off-Site channel to the north. Evidence of improper discharge, such as industrial wastewater, was not observed in the vicinity of these features. Based on the lack of information indicating a chemical release, these features are not considered to represent a significant environmental concern.

5.2.3 Drums (55 Gallons or Larger)

Roux observed up to twenty-two (22) 55-gallons drums containing investigation derived waste (IDW), primarily soil, which was generated from recent subsurface investigations by GSI Environmental Inc. (GSI). These IDW drums are being stored outside the loadings docs in the southwest corner of Building 1 on Parcel 1. Previous reports from 2020 documented several hazardous materials being stored in drums, totes, and other containers throughout the buildings. Documented hazardous materials formerly utilized by former La-Z-Boy operations included adhesives, heavy duty degreaser, wax, diesel, and hydraulic fluid. No hazardous materials of significant quantity were observed within the former La-Z-Boy facilities.

On Parcel 2, Roux observed at least three 55-gallon steel drums and up to six 5-gallon plastic buckets being stored near the front loader equipment. Roux was unable to view any labels or contents of these containers. Given their location next to the heavy machinery, it is possible that that contain petroleum-related materials (i.e., used oils, hydraulic fluid). Roux did not observe significant staining on the bare soil in the area.

5.2.4 Electrical Transformers

Roux observed multiple electrical transformers on Parcel 1, both inside the buildings and at least one transformer outside. All of the observed transformers were observed to be in good operation conditions with no evidence of leakage or staining. Roux observed signage for most of the interior transformers that they are dry-type transformers.

5.2.5 Former Agricultural Areas

Historical aerial photographs document that the Site, and surrounding parcels, were cultivated for agricultural purposes, ostensibly fruit orchards, from at least the early 1900s into the mid-1960s. Fruit growing in this area typically involved the intensive use of chemicals such as pesticides, herbicides, and fertilizers. Impacts from the historical agricultural usage and application of pesticides and herbicides may be present in the shallow soil. Previous subsurface investigations, discussed below in Section 6.2, have sampled shallow soil and analyzed samples for OCPs.

5.2.6 Loading and Un-Loading Areas

Roux observed loading docks along the west and north side of Building 1 and on the south side of Building 2. All of these loading docks were raised and did not contain truck wells or associated sump pumps. Roux did not observe significant surface staining at this loading areas, other than typical isolated staining associated with the presence of automobiles/trucks over a prolonged period of time.

5.2.7 Former USTs

As discussed in Section 3.3.4, historical records document that one UST, a 300-gallon gasoline UST, was removed from Parcel 2 in 1995. Full details on this removal are provided in Section 3.3.4.

5.2.8 Former Railroad Spurs

Based on a review of historical aerials and topographic maps, a former railroad track, identified as the Southern Pacific Railroad (SPRR), was present in current-day West Street and running east to west. Available information suggest that this main railroad line was present between at least 1899 to the late 1980s. Further, available information suggest that a rail spur emanating from this main line was present within the boundary of Parcel 1, just inside the southern border. This on-Site rail spur appears to have been present from at least 1967 to the mid-1980s. There is conflicting information between aerials and topographic maps on how long the railroad tracks remained, but they appear to have been absent in a 1985 aerial photograph. Railroad spurs can be potential sources of shallow soil contamination from a variety chemical of potential concern. As discussed in Section 6.2, LOR conducted a shallow soil investigation in the vicinity of the former railroad spur and off-Site main line. The results of this investigation are discussed in Section 6.2, but potential chemicals of concern, including pesticides and metals, were not detected above applicable screening levels.

5.2.9 Waste Piles

On Parcel 1, Roux observed two relatively large waste piles of what appeared to be roofing insulation (see Photos 23 and 29) located outside the north and west exteriors of Building 1. On Parcel 2, Roux observed isolated piles of miscellaneous waste material (scrap metal, furniture, and PVC piping) located in the rear (eastern) portion of the residence area. Also observed on Parcel 2 were several decommissioned vehicles. Roux did not observe any significant staining around the decommissioned vehicles or other waste piles. These waste piles are not considered to represent an environmental concern.

5.3 Vapor Intrusion

Roux performed a vapor migration/intrusion pathway assessment. Operation of the former La-Z-Boy facility on Parcel 1 has resulted in documented soil vapor contamination, likely as the result of solvent releases at a former fire suppression water overflow collection trap located just north of Building 1 and east of Building 3. The documented VOC soil vapor contamination throughout Parcel 1 constitutes a known source for potential vapor intrusion.

The former onsite operations have been identified elsewhere in this report as *recognized environmental conditions* or *other environmental features*.

6. Summary of Key Previous Investigations

The following sections provide a summary of previous environmental investigations at the Site. The following reports and their appendices are included in Appendix I – Pertinent Historical Records.

6.1 Kansas Street Phase I ESA (Northgate, 2020)

Roux reviewed a report titled *Phase I Environmental Site Assessment – 360 Kansas Street, Redlands, California* prepared by Northgate Environmental Management, Inc. (Northgate) and dated June 10, 2020. This report was prepared for ESRI Real Estate Transaction and Management (ESRI). Northgate did not identify any RECs for this property, Parcel 2; although they did identify one hREC related to the former 300-gallon UST (discussed in Section 3.3.4). Northgate also identified the following four "business environmental risks" for Parcel 2:

- Historical orchard operations from at least the late 1890s through the early 1930s and the associated potential pesticide usage;
- A former groundwater well and pump are located to the east of the residential structure (discussed in Section 5.2.1);
- Several decommission vehicles and "oily residue" was observed on the floor of the structure but not on the surrounding soil;
- Adjacent properties to the east (Parcel 1), south and west were identified as "historic manufacturing of furniture, plastics and a machine shop, respectively".

Northgate did not present any recommendations in this report.

6.2 Phase I and Phase II ESA (LOR, 2020)

Roux reviewed a report titled *Phase I and Phase II Environmental Site Assessment – Former La-Z-Boy West Facility* prepared by LOR Geotechnical Group, Inc. (LOR) and dated January 21, 2020). This report was prepared for NYS New, LLC. This report included a Phase I ESA and a Phase II subsurface investigation conducted by LOR, which included soil and soil vapor sampling conducted between September and November 2019.

From the Phase I ESA portion of this report, LOR identified one hREC and two RECs, which are based on a previous environmental investigation and LOR's investigation conducted at the Site (Parcel 1). Roux has not been provided or reviewed the previous investigation reports discussed below.

1994 RMT, Inc. Soil Investigation

The hREC identified by LOR was "concentrations of trace chlorinated VOCs within the upper 30 feet in the north central portion of the subject site near or in the vicinity of a former collection trap (seepage pit) for fire suppression water" (LOR, 2020). These VOC concentrations in soil were identified in a 1994 soil investigation conducted by RMT, Inc. (RMT). Roux has not been provided this RMT report; however, the LOR report summarized that seven soil borings (SB-1 through SB-7) were advanced to between 30-50 feet bgs to "determine whether soil in the vicinity of the former fire suppression water overflow collection trap (seepage pit) had been impacted" (LOR, 2020). Soil samples between 10 to 30 feet bgs were analyzed for TPH-g, TPH-diesel (TPH-d), TPH-motor oil (TPH-mo) and VOCs. According to LOR, TPH-mo was detected in two 15-foot soil samples at 93 and 100 milligrams per kilogram (mg/kg). Maximum detections of reported

VOCs included total xylenes (maximum 0.007 mg/kg), 1,1,1-TCA (0.74 mg/kg), 1,1,2-trichlorethane (1,1,2-TCA, 0.007 mg/kg), trichloroethene (TCE, 0.10 mg/kg), 1,1-dichloroethane (1,1-DCA, 0.008 mg/kg), 1,1-dichloroethene (1,1-DCE, 0.064 mg/kg), cis-1,2-dichloroethelene (cis-1,2-DCE, 0.045 mg/kg), and methylene chloride (0.008 mg/kg). It is reported that the soil samples with the highest VOC detections were located at the boring nearest to the former collection trap (SB-2). RMT prepared a health risk/hazard assessment to evaluate, "the leaching potential of TPH and hydrocarbon VOCs to groundwater". LOR stated that RMT "estimated the combined health risks (cancer) and hazard quotients were less than 1 in a million (10^{-6}) and 1, respectively" and RMT concluded that VOC and TPH-impacted soils "posed little or no health risk/hazard or potential of adversely impacted groundwater quality" (LOR, 2020).

2019 LOR Subsurface Investigation

LOR conducted a subsurface investigation in October and November 2019 which included hand auguring seven boring locations (SS-5 through SS-11) to approximately 1 to 1.5 feet bgs. Shallow soil samples were collected at SS-5 through SS-7 to "evaluate potential impacts from the offsite, former main railway line within West State Street)" and at SS-8 through SS-11 to "evaluate potential impacts from the former onsite agricultural grove" (LOR, 2019).

In November 2019, 34 borings (SVP-1 through SVP-34) were advanced to between 3 and 5 feet bgs and soil vapor probes (SVP-1 through SVP-34) were installed. Soil samples were also collected at SVP-2 through SVP-4 (referred to as SS-2 through SS-4) from approximately 1, 1.5, 3.5 and 4 feet bgs. These soil samples were collected "to evaluate potential impacts from the former railroad spur track and/or fill materials along the south side of the original portion of Building 1". LOR reported there were no indications of soil contamination in the field (i.e., odor or staining).

Soil samples collected at 1 and 3.5 feet from SS-2 through SS-4 were analyzed for TPH, semi volatile organic compounds (SVOCs), and organochlorine pesticides (OCPs); while the soil samples collected at 1.5 and 4 feet bgs were analyzed for Title 22 metals. Soil samples collected at 1 or 1.5-feet from SS-5 through SS-11 were also analyzed for Title 22 metals. Based on a review of the provided data, none of the soil samples exceeded applicable DTSC screening levels of residential or industrial property, with the exception of arsenic. Arsenic was detected between 1.02 to 8.87 mg/kg; which is below the typical California background concentration of 12 mg/kg. TPH and SVOCs were not detected above laboratory reporting limits in the soil samples analyzed. Reportable concentrations of OCPs, particularly chlordane, DDE, DDT, Dieldrin, and heptachlor epoxide, were detected above reporting limits; however, none were reported above applicable DTSC screening levels. LOR concluded that, "elevated concentrations of some California Title 22 heavy metals" are a REC, but noted that "arsenic is not anticipated to have a significant impact on the subject site". It should be noted that LOR referenced the expected local background range of arsenic to be 4 mg/kg, for which one detection of arsenic exceeded (8.87 mg/kg at SS-3-1.5).

A total of 37 soil vapor samples (34 primary and three duplicate) were collected and analyzed for TPH-g and VOCs by 8260B. While TPH-g was not reported above laboratory reporting limits, the following VOCs were detected above reporting limits: chloroform, 1,1,-DCA, 1,1-DCE, PCE, 1,1,1-TCA, TCE and cis-1,2-DCE. PCE was detected in 22 of the 37 soil vapor samples at concentrations between 0.02 micrograms per liter (µg/L) and 0.61 µg/L and TCE was detected in 24 of the 37 soil vapor samples at concentrations between 0.12 µg/L and 37.33 µg/L. LOR summarized that the "highest reported concentrations of VOCs were at soil vapor probe SVP-20, located at the estimated location of the former subsurface collection trap for fire

suppression water" (LOR, 2020). Detections of VOCs from this LOR investigation, and primarily TCE and PCE, are situated in the northern half of Parcel 1.

2019 Citadel Indoor Air Sampling Event

Following the LOR subsurface soil vapor results, an indoor air sampling event was conducted on November 19, 2019 by Citadel Environmental Health and Safety Consultants (Citadel). This indoor air sampling event included one ambient sample (SC1) and a total of ten indoor air samples (SC2 through SC11) collected in Buildings 1 and 2 and analyzed for VOCs. From the two indoor samples collected in Building 2, LOR reported that detections of benzene (0.51 micrograms per cubic meter µg/m^3) and naphthalene (0.39 µg/m^3) exceeded applicable DTSC screening levels for residential and commercial air. From the eight indoor air samples collected in Building 1, multiple VOCs, including 1,1,1-TCA (maximum concentration of 22 µg/m^3), benzene (0.65 µg/m^3), PCE (32 µg/m^3) and TCE (4.0 µg/m^3), were reported at concentrations exceeding applicable DTSC screening levels for residential and commercial air.

The presence of VOCs in shallow soil vapor and indoor air were identified as a REC by LOR. Additionally, LOR recommend that action be taking the mitigate and/or remediate soil vapor and indoor air issues, including potential implementation of a SSDS and soil vapor extraction system. Further, it was recommended by LOR that the buildings on Site remain vacant until "sufficient control of indoor air has been established" (LOR, 2020).

6.3 Sub-Slab Depressurization Results (Rincon, 2020)

Roux reviewed a letter report titled *Sub-Slab Depressurization Results, Permit No. G61173, A/N 61982* prepared by Rincon Consultants, Inc. (Rincon) and dated August 28, 2020. The letter report was prepared on behalf of ESRI. According to this letter, a total of 26 sub-slab depressurization (SSD) units were installed at the Site around June and July 2020 under SCAQMD permit number G61173.

Roux observed vertical piping associated with the SSD units during the March 2022 Site reconnaissance.

6.4 February 2021 Indoor Air Monitoring Data (Rincon, 2021)

The Client provided Roux with a two data tables, presumably prepared by Rincon, which provided indoor air monitoring data between November 2019 and February 2021. Based on a review of the data and the available information, PCE was detected in nine indoor air samples in Building 1 at concentrations between 4.2 to 14 µg/m^3. A second table showing PCE indoor air data from seven monitoring events dating back to November 2019 indicated that indoor air PCE concentrations in Building 1 have decreased, but still exceed the applicable indoor air commercial screening level of 2 µg/m^3. Editorial Note: Table 2 of this information, which is included in Appendix I, is labeled *Table 2 – Indoor Air TCE Summary*, but the data presented is actually for compound PCE.

6.5 Additional Site Characterization Report (Partner, 2021a)

Roux reviewed a report titled *Additional Site Characterization Report* prepared by Partner Engineering and Science, Inc. (Partner) dated June 23, 2021. This report was prepared for Acc Bld, LLC. In January 2021, Partner installed 16 nested soil vapor probes (B1-B12 and B15-B18). Boring B1 was advanced to approximately 75 feet bgs; B17 was advanced to 6.5 feet bgs due to refusal; and the remaining 14 borings were advanced to approximately 15 feet bgs. At B1, nested soil vapor probes were installed at 5, 15, 30,

50, and 75 feet bgs. Nested soil vapor probes were installed at 5 and/or 15 feet in the other 15 borings. In addition to the 16 borings for soil and soil vapor sampling, Partner installed one groundwater monitoring well, MW1, adjacent to B1, in April 2021. MW1 was advanced to approximately 130.5 feet bgs and soil samples were collected in 5-foot intervals from 80 feet to terminal depth. A soil vapor monitoring probe was also installed at 95 feet bgs. Figure 3 shows the locations of these Partner borings and historical borings from RMT and LOR.

Soil, groundwater and soil vapor samples were analyzed for VOCs. Soil vapor samples were collected and analyzed on Site by a mobile laboratory. The following bullets summarize the laboratory data from Partner's investigation.

- In soil, no VOCs were detected above applicable residential or commercial screening levels. TCE was detected in 5 of the 66 soil samples at concentrations ranging from 2.3 to 4.1 micrograms per kilogram (µg/kg). Only two other compounds, benzene (twice) and naphthalene (once) were detected above reporting limits.
- VOCs detected in soil gas samples above their applicable screening levels at least once included TCE, PCE, 1,1-DCE, 1,1-DCA, 1,1,1-TCA, 1,1,2-TCA and chloroform.
- TCE was detected in 31 of the 35 soil gas samples at concentrations ranging from 0.026 to 23 µg/L and 23 of the detections exceeded the applicable commercial SL of 0.10 µg/L. Partner concluded that the highest concentrations of VOCs, particularly TCE and PCE, were at boring B1 located in the vicinity of the former fire suppression water overflow collection trap.
- Partner concluded that the lateral extent of TCE in soil vapor at 5 feet bgs was delineated to the east, south and west; however, there is some uncertainty to the north and northwest.
- TCE was detected in soil vapor at B1 from 5 to 95 feet, "indicating that the release has impacted the vertical soil column above groundwater at that location. The highest TCE concentration at B1 was detected at 30 feet bgs, located just above a silt layer that was encountered at approximately 35 feet bgs".
- From the groundwater samples, several similar VOCs were detected, but only TCE and 1,1-DCE were detected in groundwater above the respective Maximum Contaminant Levels (MCLs). From MW1, TCE was detected at 18.1 µg/L and 1,1-DCE was detected at 10.3 µg/L.

Partner concluded this report stating that the investigation results "indicate that a release of chlorinated VOCs, primarily TCE, occurred in the vicinity of the former fire suppression water overflow collection trap. The release has migrated horizontally impacting the majority of the Site's [Parcel 1] footprint and migrated vertically to groundwater" (Partner, 2021a).

6.6 Additional Indoor Air Quality Screening (Partner, 2021b)

Roux reviewed a report titled *Additional Indoor Air Quality Screening* prepared by Partner and dated October 22, 2021. This report was prepared for Acc Bld, LLC. The stated objective of this report was to conduct further evaluation of PCE detected in indoor air. Notably, this report summarizes that a November 2020 indoor air quality screening, including a 3-day real-time air sampling episode, "indicated that the PCE impacts to indoor air were most likely unrelated to vapor intrusion from the subsurface and identified the building's insulation as a likely source" (Partner, 2021b). After the Client removed the building insulation (which was observed outside the structure during Roux's 2022 reconnaissance), verification indoor air sampling in January and February 2021 showed that "PCE concentrations in indoor air decreased by at least 50%, but remained above regulatory screening levels [2 µg/m^3]" (Partner, 2021b).

Partner continued to conduct additional rounds of discrete indoor air sampling and collected core samples from the roofing material which identified that the likely source of the PCE in indoor air was the roof decking, and particularly the foam material which had PCE concentrations as high as 933 mg/kg. It is unclear if additional mitigation or remediation activities have been conducted to address the roof decking with PCE containing material.

6.7 Results of Limited Phase II Site Investigation – (GSI, 2022)

Roux reviewed a report titled *Results of Limited Phase II Site Investigation* prepared by GSI Environmental Inc. (GSI) and dated April 1, 2022 This report was prepared for Acc Bld, LLC: Redlands. In February 2022, GSI installed and surveyed two temporary groundwater monitoring wells (GSI-B1 and GSI-B2) along the southern boundary of Parcel 1 and then converted these borings into semi-permanent soil vapor monitoring wells with soil vapor probes at 5, 15, 30, 50, 75 and 95 feet bgs. GSI also sampled the previously installed Partner soil vapor probes (B1 through B12 and B15 through B18). Groundwater was encountered at 112.98 feet bgs in GSI-B1 and at 114.58 feet bgs in GSI-B2. Based on observed groundwater depths, GSI concluded that groundwater flow direction is inferred to be towards the west/southwest.

A total of 46 soil samples (23 from each GSI-B1 and GSI-B2) were analyzed for VOCs. GSI reported that no VOCs were detected above laboratory reporting limits. Soil vapor samples collected from the existing Partner probes detected VOCs, including the previously reported COPCs, above laboratory reporting limits. GSI reported that probes at multiple depths from boring B1 contained concentrations of chloroform, 1,1-DCA, and TCE above the applicable SLs. From the newly installed soil vapor probes at GSI-B1 and GSI-B2, no VOCs were reported above laboratory RLs in GSI-B2. VOCs detected in GSI-B1 (chloroform, 1,1-DCE, and TCE) were detected, but were below applicable SLs. VOCs were not detected in the grab groundwater samples collected from GSI-B1 and GSI-B2 temporary monitoring wells. TCE, 1,1-DCA and 1,1-DCE were detected above applicable SLs in the previously existing MW-1.

GSI concluded, similar to others, that there is VOC contamination in the northern portion of the Site, near MW-1, and that “VOC concentrations in soil and soil vapor have slightly impacted the groundwater” (GSI, 2022). GSI recommended the implementation of a SVE to remediate soil and soil vapor in the northern portion of the Site, but does not recommend groundwater remediation, only groundwater monitoring.

7. Database Records Review

7.1 Standard Environmental Record Sources

According to ASTM Standard E1527-13, the purpose of reviewing regulatory records is to obtain and review records that will help identify *recognized environmental conditions* in connection with the Site. In addition, some records to be reviewed pertain not only to the Site, but also to properties within an additional "approximate minimum search distance" in order to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The basis of the "approximate minimum search distance" is the Site boundary.

Roux retained EDR of Shelton, Connecticut to provide an ASTM Radius Map Report (EDR Report) for this Site. This report is a computerized search of select state and federal environmental databases that identify various properties with a record of environmental activity. Roux reviewed the report and summarized the relevant findings in the following sections. A copy of the compiled EDR Report has been included as Appendix F. The EDR report includes a detailed description of each of the databases searched, providing a summary of the type of information provided by each. A summary of Roux' review of the EDR Report listings is provided in Table 1.

The following section describes the findings of the database search. Roux used professional judgement in determining which EDR-listed sites to include in the narrative of this report. Facilities adjoining the Site were included due to their proximity to the Site and the potential for surface water discharges (e.g., storm water runoff, surface water effluent discharges) to enter the Site or through the migration of groundwater. Sites with listings indicative of a release (e.g., SHWS, LUST, RELEASE) are likewise discussed below. Nonadjacent facilities with database listings not necessarily indicative of a release (hazardous waste generator, FINDS, ECHO, NPDES, HAZNET, AST, or UST) will not be discussed unless considered potentially relevant in context of the Phase I ESA.

7.1.1 Site (Target Property)

Address	Owner/Operator	Database
301 Tennessee Street	La-Z-Boy West	San Bern. Co. Permit, FINDS, ECHO
	Lazboy West	EMI, NPDES, CERS, CIWQS
	La-Z-Boy	RCRA NonGen / NLR, HAZNET, HWTS
	301 Tennessee Street	HMIRS
	Hahan Contractors	HAZNET, HWTS

The EDR database report identified several listings for the La-Z-Boy facility at 301 Tennessee Street associated with the Site. The facility was also identified in the database report by the names, Lazboy West, La-Z-Boy West, 301 Tennessee Street, and Hahan Contractors. For the purpose of this report, the listings are summarized here; however, detailed discussion of historical manufacturing activities, subsurface investigations, and completed remedial actions can be found in Section 6.0.

The San Ber. Co. Permit database reports three inactive permits: (1) Hazardous materials 4-10 chemicals, expired August 31, 2020; (2) Conditionally exempt small quantity generator, expired August 31, 2015; and (3) Emergency Planning and Community Right-to-Know (EPCRA) facility, expired August 31, 2013. According to the CIWQS database, the Site maintained an industrial stormwater permit, which expired on November 1, 2019. The HAZNET database reports hazardous waste generator from 1993 to 2019. The HMIRS database reports a hazardous material incident on February 14, 2018. Transit on the highway transport, the cargo tank motor vehicle was involved in a rollover accident where the tank shell was punctured and 56 gallons of diesel fuel was released. The remaining databases did not contain additional information relevant to the environmental history of the Site. Given that the hazardous material incident took place off-Site, this listing is not considered to represent a significant environmental concern to the Site.

7.1.2 Adjoining and Nearby Properties

Discussions of adjoining and nearby properties of potential environmental concern as noted in Table 1 are provided below.

- **Redlands Service Center (287 Tennessee Street).** The Redlands Service Center, located approximately 100 feet south of the Site, is listed on the AST, HIST UST, and ENF databases. The AST listing did not contain any information regarding the AST. The HIST UST listing indicates a 10,000-gallon unleaded motor vehicle fuel UST was housed at the facility. No additional information was provided. The ENF listing reports an illegal discharge; the case was referred to the County of San Bernardino Fire Protection District: HMD on April 15, 2000. Roux has requested records from the CSBFD-HMD pertaining to this reported discharge and a response is still pending.

  This facility is also listed under the name, SCE Redlands Service Center. The SCE Redlands Service Center is listed on the CERS HAZ WASTE, CERS TANK, HAZNET, San Bern. Co. Permit, CERS, and HWTS databases. The San Bern. Co. Permit listing identifies the facility as a super large quantity generator that houses 11 to 30 hazardous material chemicals and has a 10,000 to 100,000-gallon capacity for an aboveground petroleum storage tank. The remaining databases did not contain additional information relevant to the environmental history of the facility.

- **Dutch Girl Laundry & Cleaners (414 Tennessee Street, Suite K).** The Dutch Girl Laundry & Cleaners facility, located at approximately 450 feet northeast of the Site, is listed on the EDR Hist Cleaner database. The EDR Hist Cleaner listing reports dry-cleaning plant, except rugs operations from 2003 through 2014.

  This facility is also listed under the names, Dutch Girl Dry Cleaners & Laundry and Dutch Girl Cleaners. The Dutch Girl Dry Cleaners & Laundry is listed on the DRYCLEANERS, HAZNET, and HWTS databases. The DRYCLEANERS listing identifies the facility as a dry-cleaning and laundry service as of March 6, 2003. The remaining databases did not contain additional information relevant to the environmental history of the facility. The Dutch Girl Cleaners is listed on the CERS HAZ WASTE, DRYCLEANERS, San Bern. Co. Permit, and CERS databases. The DRYCLEANERS listing describes a dry cleaning equipment utilizing petroleum solvent. Absent any indication of a release to the subsurface, this facility is not considered to represent a significant concern to the Site.

- **Auto Analysts (446 Tennessee Street).** The Auto Analysts facility, located approximately 670 feet northeast of the Site, is listed on the EDR Hist Auto database. The EDR Hist Auto listing reports general automotive repair shops operations from 1992 through 2001 and automotive transmission repair shop operations from 2011 through 2014. Absent any indication of a release to the subsurface, the Auto Analysts facility is not considered to represent a significant concern to the Site.

- **Plant #1 - Dunmovin (410 Missouri Court).** The Plant #1 – Dunmovin facility, located approximately 1,740 feet west of the Site, is listed on the US MINES and ABANDONED MINES. The

ABANDONED MINES listing reports violations related to crushed, broken stone on October 1, 2015 and March 5, 2018 for the abandoned mine with a standard industrial classification code of construction, sand, and gravel. Absent any indication of a release to the subsurface, the Plant #1 - Dunmovin facility is not considered to represent a significant concern to the Site.

- **Argon Fuel (1205/1255 Redlands Boulevard).** The Argon Fuel facility, located approximately 1,200 feet north of the Site, is listed on the CPS-SLIC and CERS databases. According to the associated GeoTracker case (T10000011531), the facility is an open – site assessment case as of July 13, 2018. In June 2003, eight ASTs, containing diesel fuel, gasoline, kerosene, or waste oil, and three fuel dispensers were removed as part of demolition activities.

  Following AST removal, a total of 36 confirmation soil samples were collected approximately two to three feet below ground surface (bgs) in the vicinity of the ASTs and indicated petroleum fuel releases. In December 2003, the impacted shallow soil was excavated and verification soil samples were indicated that the vertical extent of impacted soil was not delineated in three excavation areas. In May 2004, a total of 24 soil samples from two borings were collected from depths of 20 to 130 feet bgs. TPH in the gasoline, kerosene, and diesel ranges were reported at maximum concentration of 9,030 mg/kg, 4,570 mg/kg, and 2,710 mg/kg, respectively. Methyl tert-butyl ether (MTBE) was reported at a maximum concentration of 191 mg/kg. In addition, one grab groundwater sample was collected at a depth of 130 feet bgs and indicated significant concentrations of TPH in the gasoline range (86,000 µg/L, benzene (6,920 µg/L), toluene (19,100 µg/L), ethylbenzene (2,250 µg/L), and xylene (12,700 µg/L), MTBE (102,000 µg/L), TAME (1,600 µg/L), and tertiary butyl alcohol (TBA) (17,800 µg/L).

  In October 2017, further soil and groundwater investigations were conducted at the facility due to the potential of contaminant migration from adjacent and nearby properties with documented historical use of chlorinated solvents and automotive fuels and lubricants. Analytical results from this investigation confirmed the presence of TPH, BTEX, and MTBE in soil and VOCs in groundwater. It was concluded that soil impacts may have been due to the historical on-site ASTs, given the evidence of TPH in the gasoline and diesel range. Additional groundwater investigation was recommended to determine the source of groundwater impacts.

  Given that the distance of the facility to the Site, the mobility of impacted soil is limited, and the depth to groundwater was encountered at 130 and 146 feet bgs during the May 2004 and October 2017 investigations, the impacts to soil and groundwater at the Argon Fuel is not considered to represent a significant concern to the Site.

7.1.3 Orphan Sites

The EDR Report includes a section addressing “Orphan Sites.” Orphan sites are sites, which, due to incomplete geographic location data, incomplete address information or incorrect address information, cannot be plotted correctly. The database report identified three unmapped facilities.

- **Redlands Smudge Pot Tanks Site (100 Feet West of Redlands Blvd and Texas).** The Redlands Smudge Pot Tanks Site facility, located approximately 2,850 feet east of the Site, is listed on the SEMS database. The SEMS listing identifies the facility as a non-National Priorities List facility with no assessment investigation needed. No additional information was provided. This listing is not indicative of a release; therefore, the Redlands Smudge Pot Tanks Site facility is not considered to represent a significant concern to the Site.

- **Alabama Street Illegal Disposal Site (Alabama Street and Pioneer Avenue).** The Alabama Street Illegal Disposal Site facility, located approximately 1.71 miles northwest of the Site, is listed on SWF/LF database. The SWF/LF listing identifies the facility as a closed solid waste. This listing is

not indicative of a release; therefore, the Alabama Street Illegal Disposal Site facility is not considered to represent a significant concern to the Site.

- **Edison/Redlands MGP (501-525 West Redlands).** The Edison/Redlands MGP facility, located approximately 3,600 feet east of the Site, is listed on the EDR MGP database. The EDR MGP listing identifies the facility as a manufactured gas plant (MGP). The facility was constructed in 1900 and ceased MGP operations in 1921. This listing is not indicative of a release; therefore, the Edison/Redlands MGP facility is not considered to represent a significant concern to the Site.

8. Findings

Roux has performed this Phase I ESA in general compliance with the scope and limitations of ASTM Standard Practice E1527-13. Roux separated the findings of this assessment into the following four categories: *recognized environmental conditions*, *controlled recognized environmental conditions*, *historical recognized environmental conditions* and *other environmental features*.

8.1 Data Gaps

During conduct of this ESA, the following data gaps, as defined in ASTM Standard E1527-13 were identified:

- The timing of the report did not allow for all contacted agencies, specifically the USEPA, DTSC and City of Redlands, to respond to the records requests issued. This data gap is not considered significant due to sufficient information available from previous environmental reports, the EDR report, and city, county, and state websites.

- Previous Site owners/operators related to the former La-Z-Boy operations were not available for an interview. This data gap is not considered significant due to sufficient information regarding Site history available from EDR historical documents and FOIA requests; however, information regarding the location and status of former features such as the degreaser and fire suppression pit would be valuable.

- Site reconnaissance limitations including not being able to fully access Buildings 2 and 3 on Parcel 1 and the structures on Parcel 2. This data gap is not considered significant due to sufficient previous information, including photographs, of the structures.

- Soil vapor sampling does not appear to have been conducted during the closure of the 300-gallon gasoline UST located on Parcel 2. The lack of soil vapor sampling confirming that there are no residual impacts to soil vapor is identified as a data gap.

8.2 Recognized Environmental Conditions

Based on the information obtained through the performance of this ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the RECs are shown in Figure 2. To avoid confusion, all RECs, cRECs, hRECs, and OEFs are numbered sequentially.

REC 1 – Historical Release at Former Fire Suppression Water Trap. Based on a review of previous subsurface environmental investigations conducted on Parcel 1, soil and soil vapor in the northern portion are impacted by volatile organic compounds (VOCs), primarily trichloroethene (TCE) and tetrachloroethene (PCE). An initial 1994 soil investigation conducted by RMT, Inc. (RMT) identified VOC and total petroleum hydrocarbon (TPH)-impacted soil in the vicinity of a reported former fire suppression water overflow collection trap (seepage pit). Subsequent soil vapor investigations in 2019 (LOR Geotechnical Group, Inc. [LOR]), 2021 (Partner Engineering and Science, Inc. [Partner]), and 2022 (GSI Environmental, Inc. [GSI]) conducted throughout Parcel 1 laterally delineated the VOC impacts, mainly TCE, and further suggested that the likely origin of contamination was the former seepage pit. Impacted soil vapor throughout Parcel 1 appears to be limited to the upper 15 feet, except at the suspected source area, where investigations have reported TCE in soil vapor at depths of up to 95 feet below ground surface (bgs). Additionally, groundwater samples collected at a permanent monitoring well (MW-1,

located at the suspected former fire trap) have reported TCE concentrations slightly exceeding drinking water standards.

Indoor air investigations conducted within the former La-Z-Boy buildings on Parcel 1, and within Building 1, have shown indoor air is impacted by VOCs. The source of the impacts to indoor air are potentially the result of vapor intrusion, but appear more likely to be caused by foam roofing material, which is known to contain (and potentially off-gas) PCE. The apparent release of VOC-containing materials at the former fire suppression water overflow collection trap, and the resulting soil vapor and groundwater impacts to the Site are considered a REC in the context of this Phase I ESA.

REC 2 – Former 300-Gallon Gasoline UST. According to available records provided by the CSBFD-HMD, a 300-gallon gasoline UST was formerly located on Parcel 2, approximately 50 feet north of the existing residential structure. This former UST was removed on June 26, 1995 under the oversight of the CSBFD-HMD. A confirmation soil sample was collected from beneath the tank invert and analyzed for TPH-gasoline (TPH-g) and gasoline-related VOCs, which were not reported above laboratory reporting limits. The CSBFD-HMD provided regulatory closure in a letter dated July 3, 1995 indicating that no further action was required. However, investigation performed at that time would be unlikely to meet current regulatory closure requirements. Only one confirmation soil sample was collected and there does not appear to have been any soil vapor sampling conducted in the vicinity of the former UST. The investigation following removal is considered insufficient, particularly without soil vapor sampling, and does not rule out potential soil vapor impacts from the historical UST. On this basis, this former UST, while it does have regulatory closure, is considered a REC in the context of this Phase I ESA.

REC 3 – Former Solvent Degreaser. Regulatory records provided by the South Coast Air Quality Management District (SCAQMD) indicate that a solvent degreaser was installed at the Site in 1984. The 1984 Permit to Operate for the degreaser states that "only 1,1,1-trichloroethane [1,1,1-TCA], trichlorotrifluoroethane, methylene chloride, or a combination of these solvents may be used as the cleaning solvent in this equipment". Roux has not reviewed any Site plans indicating the location of this degreaser feature or if any action was taken to abandon it. The lack of information regarding the location and status of this degreaser is considered a data gap. The historical presence of the degreaser and the associated chlorinated solvent us is considered a REC in the context of this Phase I ESA.

8.3 Controlled Recognized Environmental Conditions

Roux did not identify known or suspected cRECs in connection with the current and historical operations at the Site or adjacent properties.

8.4 Historical Recognized Environmental Conditions

Roux did not identify known or suspected hRECs in connection with the current and historical operations at the Site or adjacent properties.

8.5 Other Environmental Features

OEFs are environmental conditions that do not meet the definition of a REC, cREC, or hREC, but which may warrant mention in a comprehensive Phase I ESA. Based on the subject Phase I ESA, Roux identified the following OEFs at or in the vicinity of the Site. To the extent possible, the locations of the OEFs are shown in Figure 2.

OEF 4 – Former Agricultural Operations and Pesticide Usage. Historical aerial photographs document that the Site and surrounding parcels were consistently occupied by agricultural groves between at least 1900 into the mid-1960s. Although undocumented, the use of organochlorine pesticides (OCPs) was commonplace for similar operations during that time. A limited shallow soil investigation conducted at the Site in 2019 collected and analyzed soil samples for OCPs from seven locations on Parcel 1. Soil samples were collected between 1 and 3.5 feet bgs. The results of this investigation are discussed in Section 6.2. A total of five OCPs, including chlordane, DDE, DDT, dieldrin, and heptachlor epoxide, were detected above laboratory reporting limits, but were not detected above applicable residential or commercial screening levels. Considering the low concentrations of pesticides identified in shallow Site soils, it is unlikely that further investigation would be required if brought to the attention of a regulatory agency. On this basis, the historical pesticide use is considered an OEF in the context of this Phase I ESA.

OEF 5 – Former On-Site Railroad Spur. Based on a review of historical aerials and topographic maps, a former railroad track, identified as the Southern Pacific Railroad (SPRR), was present along current-day West State Street running east to west. Available information suggest that this main railroad line was present between at least 1899 to the late 1980s. Further, available records suggest that a rail spur emanating from this main line was present within the boundary of Parcel 1, just inside the southern border. This on-Site rail spur appears to have been present from at least 1967 (initial development) to the late 1980s. There is conflicting information between aerials and topographic maps on how long the railroad tracks remained, but they appear to have been absent in a 1985 aerial photograph. Railroad spurs can be potential sources of shallow soil contamination from a variety chemical of potential concern. A limited shallow soil investigation was conducted at the Site in 2019 (LOR) in the vicinity of the former railroad spur and off-Site main line. The results of this investigation are discussed in Section 6.2. Shallow soil samples were collected and analyzed for heavy metals, TPH, OCPs and semi-volatile organic compounds (SVOCs). According to LOR, no TPH or SVOCs were detected above laboratory reporting limits. Metals and OCPs were detected but at concentrations below applicable screening levels or typical background concentrations. The historical railroad spur on Site is identified as an OEF in the context of this Phase I ESA.

OEF 6 – Hazardous Chemical Storage. Hazardous chemicals have historically been and are currently stored at the Site. Historically, the La-Z-Boy operations maintained several hazardous materials, as documented in CSBFD-HMD records and previous environmental investigations. Documented hazardous materials formerly utilized by former La-Z-Boy operations included adhesives, heavy duty degreaser, wax, diesel, and hydraulic fluid. No hazardous materials of significant quantity were observed within the former La-Z-Boy facilities. On Parcel 2, hazardous materials were observed in the rear portion of the residential property. Roux observed what appeared to be four (4) 5-gallon containers and three (3) 55-gallon steel drums. The contents of these containers is unknown, but are likely petroleum products (i.e., used motor oil, lubricating oil) used to maintain a front loader staged nearby. Both throughout Parcel 1 and Parcel 2, Roux did not observe significant staining that could be attributed to hazardous chemical storage. On this basis, current and historical hazardous material storage is considered an OEF in the context of this Phase I ESA.

OEF 7 – Unused Water Well on Site. An unused groundwater well and pump are located to the east of the single family residence on Parcel 2. The groundwater well is reportedly not used and it is unclear if it has been abandoned. This groundwater well is identified as an OEF in the context of this Phase I ESA.

9. References

American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13)

EDR, *The EDR Radius Map™ Report with GeoCheck®*, March 03, 2022

EDR, *The EDR Aerial Photo Decade Package*, March 03, 2022

EDR, *EDR Historical Topo Map Report*, March 03, 2022

EDR, *Certified Sanborn Map Report*, March 03, 2022

EDR, *The EDR-City Directory Abstract*, March 07, 2022

GSI Environmental Inc. (GSI), *Results of Limited Phase II Site Investigation, ACC BLD, LLC: Redlands. Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California, 92373,* April 1, 2022.

LOR Geotechnical Group, Inc. (LOR), *Phase I and II Environmental Site Assessment, Former La-Z-Boy West Facility, 301 Tennessee Street, APN 0292-192-11, Redlands, San Bernardino County, California,* January 21, 2020.

Northgate Environmental Management, Inc. (Northgate), *Phase I Environmental Site Assessment – 360 Kansas Street, Redlands, California,* June 10, 2020.

Partner Engineering and Science, Inc. (Partner), *Additional Site Characterization Report, Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373,* June 23, 2021a.

Partner, *Additional Indoor Air Quality Screening Report, Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373,* October 22, 2021b.

Rincon Consultants, Inc. (Rincon), *Sub-Slab Depressurization Results, Permit No, G61173, A/N 61982, 301 Tennessee Street, Redlands, California, 92373-8125,* August 28, 2020.

10. Signature of Environmental Professional

Roux performed this assessment in accordance with the generally accepted practices for environmental assessments at the time of implementation. Roux made a reasonable effort to ensure that the information presented in this report is materially complete and accurate.

Roux completed a Phase I ESA in general compliance with the scope and limitations of ASTM Practice E1527-13 of the residential property located at 360 Kansas Street and of the light industrial property located at 301 Tennessee Street, Redlands, San Bernardino County, California.

“We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312” and,

“We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

Roux performed this Phase I ESA by, or under direct supervision of, the undersigned environmental professionals.

Respectfully Submitted,

ROUX ASSOCIATES, INC.



Justin Allen
Project Scientist



Mauricio Escobar, P.G.
Principal Geologist

TABLES

1. Standard Environmental Record Sources (EDR Report) Summary

Table 1: Standard Environmental Record Sources (EDR Report) Summary
301 Tennessee Avenue and 360 Kansas Street, Redlands, California

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
LA-Z-BOY WEST	301 TENNESSEE ST	SAN BERN. CO. PERMIT	TP		Y
LAZBOY WEST	301 TENNESSEE STREET	EMI, NPDES, CERS	TP		Y
LAZBOY WEST	301 TENNESSEE STREET PO BOX 8880	CIWQS	TP		Y
LA-Z-BOY	301 TENNESSEE ST	RCRA NONGEN / NLR	TP		Y
301 TENNESSEE STREET	301 TENNESSEE STREET	HMIRS	TP		Y
LA-Z-BOY	301 TENNESSEE ST	HWTS, HAZNET	TP		Y
HAHAN CONTRACTORS	301 TENNESSEE ST	HWTS, HAZNET	TP		Y
LA-Z-BOY WEST	301 TENNESSEE ST	FINDS, ECHO	TP		Y
SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER	287 TENNESSEE ST	FINDS, ECHO	0	SOUTH	N
SCE-REDLANDS	287 TENNESSEE ST	UST	0	SOUTH	N
REDLANDS SERVICE CENTER	287 TENNESSEE ST	AST, HIST UST, ENF	0	SOUTH	Y
SOUTHERN CALIFORNIA EDISON	287 TENNESSEE	ECHO	0	SOUTH	N
SUNWEST ENGINEERING	287 TENNESSEE ST	HWTS, HAZNET	0	SOUTH	N
SOUTHERN CALIFORNIA EDISON	287 TENNESSEE ST	SWEEPS UST, HIST UST, CA FID UST, NPDES, CIWQS, CERS	0	SOUTH	N
SCE REDLANDS SERVICE CENTER	287 TENNESSEE ST	HWTS, CERS HAZ WASTE, CERS TANKS, HAZNET, SAN BERN. CO. PERMIT, CERS	0	SOUTH	Y
SCE-REDLANDS SERVICE CENTER	287 TENNESSEE	AST	0	SOUTH	N
SCE REDLANDS SERVICE CENTER	287 TENNESSEE ST	RCRA-LQG	0	SOUTH	N
SOUTHERN CALIFORNIA EDISON	287 TENNESSEE	FINDS	0	SOUTH	N
SOUTHERN CALIFORNIA EDISON CO.	287 TENNESSEE STREET	HAULERS	0	SOUTH	N
SOUTHERN CALIFORNIA EDISON	287 TENNESSEE	RCRA-LQG	0	SOUTH	N
SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER	287 TENNESSEE ST	RCRA NONGEN / NLR	0	SOUTH	N
CENTRUM ANALYTICAL LABORATORIES	290 TENNESSEE ST	HWTS, RCRA-SQG, FINDS, ECHO, HAZNET	0.017	ESE	N
NYS/NEW, LLC	300 TENNESSEE ST	RCRA NONGEN / NLR	0.02	EAST	N
WESLEY RAY AND SON INC	300 TENNESSEE ST	HIST UST, SAN BERN. CO. PERMIT	0.02	EAST	N
BRONCS TOWING INC	380 KANSAS ST	RCRA NONGEN / NLR	0.028	WNW	N
BRONCS TOWING INC	380 KANSAS ST	HWTS, CERS HAZ WASTE, SAN BERN. CO. PERMIT, CERS	0.028	WNW	N
UNIROYAL TECH CORP, ROYALITE T	300 KANSAS ST	EMI, SAN BERN. CO. PERMIT	0.029	WEST	N
SPARTECH PLASTICS INC	300 KANSAS STREET	HWTS, RCRA-SQG, FINDS, ECHO, HAZNET, CERS	0.029	WEST	N
RETTIG MACHINE SHOP, INC.	301 KANSAS STREET	RCRA NONGEN / NLR	0.029	WEST	N

Table 1: Standard Environmental Record Sources (EDR Report) Summary
301 Tennessee Avenue and 360 Kansas Street, Redlands, California

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
RETTIG MACHINE SHOP INC	301 KANSAS ST	CERS HAZ WASTE, SAN BERN. CO. PERMIT, WDS, CERS	0.029	WEST	N
HM INDUSTRIAL INC	377 KANSAS ST UNIT A	RCRA NONGEN / NLR	0.033	WNW	N
FLAMBEAU INC	377 KANSAS STREET	SAN BERN. CO. PERMIT, CIWQS	0.033	WNW	N
CYCLERY USA INC DBA REDLANDS CYCLERY USA	415 TENNESSEE ST STE A	RCRA NONGEN / NLR	0.046	NNE	N
CHEP / CCPS	450 KANSAS ST STE 101	RCRA NONGEN / NLR	0.047	WNW	N
DUTCH GIRL LAUNDRY & CLEANERS	414 TENNESSEE ST STE K	EDR HIST CLEANER	0.075	NNE	Y
DUTCH GIRL DRY CLEANERS & LAUNDRY	414 TENNESSEE ST STE K	HWTS, DRYCLEANERS, HAZNET	0.075	NNE	Y
X-CELL LABORATORIES INC	414 TENNESSEE ST STE H	RCRA NONGEN / NLR	0.075	NNE	N
X-CELL LABORATORIES INC	414 TENNESSEE ST STE H	SAN BERN. CO. PERMIT	0.075	NNE	N
DUTCH GIRL CLEANERS	414 TENNESSEE AVE STE K	CERS HAZ WASTE, DRYCLEANERS, SAN BERN. CO. PERMIT, CERS	0.075	NNE	Y
REDLANDS CHRISTIAN MIDDLE SCHOOL	251 TENESSEE ST	SAN BERN. CO. PERMIT	0.077	SSE	N
PIONEER CONSULTANTS	251 TENNESSEE ST	RCRA-SQG, HIST UST, FINDS, ECHO, CIWQS	0.077	SSE	N
AMERIACN GALVANO INC	421 KANSAS ST	RCRA NONGEN / NLR	0.084	WNW	N
CHEP-REDLANDS	450 KANSAS STREET UNITS 101 & 102	SAN BERN. CO. PERMIT, CERS	0.097	NW	N
EAST END HYDRO SHOP FACILITY	298 KANSAS	RCRA-SQG	0.098	WSW	N
ANDY'S FORD SPECIALTIES	452 TENNESSEE ST	SAN BERN. CO. PERMIT	0.1	NNE	N
CALIFORNIA RIDER MOTORCYCLE	450 TENNESSEE ST	SAN BERN. CO. PERMIT	0.1	NNE	N
AUTO ANALYSTS	446 TENNESSEE ST	EDR HIST AUTO	0.1	NNE	Y
REDLANDS COLOR LAB	461 TENNESSEE ST F	SAN BERN. CO. PERMIT	0.102	NORTH	N
GTE / REDLANDS PLANT YARD	1130 W STATE ST	SWEEPS UST, CA FID UST	0.121	ESE	N
SIMPLY TOYOTA	1195W W PARK AVE	HWTS, CERS HAZ WASTE, HAZNET, SAN BERN. CO. PERMIT, CERS	0.127	NNE	N
CHUCK'S COMPLETE AUTOMOTIVE REPAIR	1195 PARK AVE	SAN BERN. CO. PERMIT	0.127	NNE	N
JOSEPH GURROLA DBA SIMPLY TOYOTA	1195 W PARK AVE	RCRA NONGEN / NLR	0.127	NNE	N
MAGNUM PERFORMANCE CENTER	1195 W PARK AVE	HWTS, SAN BERN. CO. PERMIT	0.127	NNE	N
CUSTOM MATERIAL SALES (CMS)	1351 PARK AVE 105	SAN BERN. CO. PERMIT	0.132	NNW	N

Table 1: Standard Environmental Record Sources (EDR Report) Summary
301 Tennessee Avenue and 360 Kansas Street, Redlands, California

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
REDLANDS AUTO ELECTRIC	1165 W PARK AVE	HWTS, CERS HAZ WASTE, SAN BERN. CO. PERMIT, CERS	0.136	NNE	N
REDLANDS AUTO ELECTRIC	1165 W PARK AVE	RCRA NONGEN / NLR	0.136	NNE	N
REDLANDS CORPORATE YARD	1270 PARK AVE	LUST, SWEEPS UST, CA FID UST, CORTESE, HIST CORTESE, CERS	0.142	NORTH	N
REDLANDS CITY	1270 W PARK AVE	CERS HAZ WASTE, CERS TANKS, EMI, SAN BERN. CO. PERMIT, CERS	0.142	NORTH	N
CI-REDLANDS CORP YRD	1270 W PARK AVE	UST	0.142	NORTH	N
SOUTHERN CA FLEET SERVICES INC	1270 W PARK AVE BLDG F	RCRA NONGEN / NLR	0.142	NORTH	N
REDLANDS CORP YRD	1270 W PARK AVE	UST	0.142	NORTH	N
CITY YARDS	501 TENNESSEE STREET	HIST UST	0.148	NNE	N
REDLANDS MAINTENANCE CITY OF	501 TENNESSEE	RCRA-SQG	0.148	NNE	N
L & L TOWING	1143 PARK AVE	SAN BERN. CO. PERMIT	0.148	NE	N
PLANT #1 - DUNMOVIN		US MINES, ABANDONED MINES	0.153	WNW	Y
HUTCHISON MANUFACTURING	1113 W PARK AVE B	SAN BERN. CO. PERMIT	0.161	NE	N
NATIONWIDE MARKETING SOLUTIONS	446 MISSOURI CT	SAN BERN. CO. PERMIT	0.164	WNW	N
SAN BERNARDINO COUNTY FIRE DEPARTMENT	500 KANSAS AVE	RCRA NONGEN / NLR	0.164	NW	N
HHW SATELLITE REDLANDS	500 KANSAS ST	CERS HAZ WASTE, SAN BERN. CO. PERMIT, CERS	0.164	NW	N
SAN BERNARDINO COUNTY D E H S	500 KANSAS AVENUE	RCRA NONGEN / NLR	0.164	NW	N
CONTINENTAL DATALABEL	211 BUSINESS CENTER CT	HWTS, CERS HAZ WASTE, HAZNET, NPDES, CERS	0.17	WSW	N
CONTINENTAL DATALABEL	211 BUSINESS CENTER CT	SAN BERN. CO. PERMIT	0.17	WSW	N
CONTINENTIAL DATALABEL	211 BUSINESS CTR CT	RCRA-SQG, FINDS	0.17	WSW	N
JOE CORNETT	517 KANSAS ST.	RCRA NONGEN / NLR	0.176	NW	N
NOVA COACH	1445 PARK AVE	SAN BERN. CO. PERMIT	0.176	NW	N
PAR ELECTRICAL CONTRACTORS, INC.	525 KANSAS ST.	RCRA NONGEN / NLR	0.18	NW	N
BRONCS TOWING INC.	1083 W PARK AVE	HWTS, HAZNET, SAN BERN. CO. PERMIT	0.192	NE	N
BRONCS TOWING INC.	1083 W PARK AVE	RCRA NONGEN / NLR	0.192	NE	N
THE SMART SHOP/ GL MACHINE	451 MISSOURI CT	RCRA NONGEN / NLR	0.197	WNW	N

Table 1: Standard Environmental Record Sources (EDR Report) Summary
301 Tennessee Avenue and 360 Kansas Street, Redlands, California

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
THE SMART SHOP INC/GL MACHINE	451 MISSOURI CT	HWTS, CERS HAZ WASTE, SAN BERN. CO. PERMIT, CERS	0.197	WNW	N
TOM BELL COLLISION CENTER	1139 REDLANDS BLVD	RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, SAN BERN. CO. PERMIT, CERS	0.206	NNE	N
AMERICAN TIRE DEPOT	1139 W REDLANDS BLVD	RCRA NONGEN / NLR	0.206	NNE	N
TOM BELL COLLISION CENTER	1105 W REDLANDS BLVD	RCRA NONGEN / NLR	0.213	NE	N
TOM BELL COLLISION CENTER	1105 W REDLANDS BLVD	HWTS, CERS HAZ WASTE, HAZNET, SAN BERN. CO. PERMIT, CERS	0.213	NE	N
REDLANDS GAS & FOOD MART	1195 W REDLANDS BLVD	UST	0.22	NNE	N
KIM'S FOOD MART & GAS STA	1195 W REDLANDS BLVD	UST	0.22	NNE	N
ARGON/TEXACO	1195 W REDLANDS BLVD	HIST UST	0.22	NNE	N
REDLANDS GAS & FOOD MART	1195 W REDLANDS BLVD	HWTS, CERS HAZ WASTE, CERS TANKS, SAN BERN. CO. PERMIT, CERS	0.22	NNE	N
ARGON/TEXACO	1195 W REDLANDS BLVD	SWEEPS UST, CA FID UST	0.22	NNE	N
REDLANDS GAS & MART	1195 W REDLANDS BLVD.	RCRA NONGEN / NLR	0.22	NNE	N
REDLANDS GAS & FOOD MART	1195 W REDLANDS BLVD	RCRA NONGEN / NLR	0.22	NNE	N
NADERS AUTO SALES INC	1075 W REDLANDS BLVD	RCRA NONGEN / NLR	0.224	NE	N
NADERS AUTO SALES	1075 W REDLANDS BLVD	SAN BERN. CO. PERMIT	0.224	NE	N
C-KEVARI CONTRACTOR	1045 W PARK AVE	HIST UST, SAN BERN. CO. PERMIT	0.226	NE	N
DEVCO SANDBLASTING	1045 W PARK AVE	HWTS, HIST UST, HAZNET	0.226	NE	N
ROBERTSON'S		US MINES	0.232	WEST	N
BRIAN BELL	140 KANSAS STREET	RCRA NONGEN / NLR	0.235	SW	N
ARGON FUEL	1205/1255 REDLANDS BLVD	CPS-SLIC, CERS	0.237	NORTH	Y
DEVCO	457 NEW YORK ST	SWEEPS UST, CA FID UST, EMI, CERS	0.242	ENE	N
JJJ PROPERTIES TRUST	457 NEW YORK ST	UST	0.242	ENE	N
SCE REDLANDS LAYDOWN YARD	10616 KANSAS ST	CERS HAZ WASTE, SAN BERN. CO. PERMIT, CERS	0.244	NW	N
JERRY MURPHYS REDLANDS DODGE	1267 W REDLANDS BLVD	RCRA-SQG, FINDS, ECHO	0.248	NORTH	N
AAMCO TRANSMISSION	1267 W REDLANDS BLVD	RCRA NONGEN / NLR	0.248	NORTH	N
AAMCO TRANSMISSION	1267 N REDLANDS BLVD	RCRA NONGEN / NLR	0.248	NORTH	N
AAMCO TRANSMISSIONS	1267 W REDLANDS BLVD	SAN BERN. CO. PERMIT	0.248	NORTH	N

Table 1: Standard Environmental Record Sources (EDR Report) Summary
301 Tennessee Avenue and 360 Kansas Street, Redlands, California

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
EMPIRE KARTS	302 ALABAMA NO 9	RCRA-SQG, FINDS, ECHO	0.248	WEST	N
DIAGNOSTIC IMAGING INC	302 ALABAMA ST SUITE 8	RCRA-SQG, FINDS	0.248	WEST	N
QA PROCESSOR SERVICE	302 ALABAMA ST, STE8	HWP	0.248	WEST	N
JOSEPH BARROS	302 ALABAMA ST. #10	RCRA NONGEN / NLR	0.248	WEST	N
FOUNDATION WINDPOWER LLC	302 ALABAMA ST UNIT 5	RCRA NONGEN / NLR	0.248	WEST	N
BROOKSIDE DAIRY	325 ALABAMA ST	LUST, CORTESE, HIST CORTESE, NPDES, CIWQS, CERS	0.27	WEST	N
REDLANDS COMMUNITY DAY SCHOOL	ALABAMA STREET/WEST PARK AVENUE	ENVIROSTOR, SCH	0.35	WNW	N
LAYNE CHRISTENSEN REDLANDS PROPERTY	1675 WEST PARK AVENUE	ENVIROSTOR, VCP	0.474	WNW	N
CALIFORNIA TARGET ENTP. #943	1580 REDLANDS BLVD	LUST, CORTESE, CERS	0.485	NW	N
SO CAL GAS/REDLANDS MGP	STATE STREET AT REDLANDS BLVD	EDR MGP	0.612	EAST	N
SO CAL GAS/REDLANDS I (STATE ST.) MGP	STATE STREET AT REDLANDS BL.	ENVIROSTOR, VCP	0.642	EAST	N
REDLANDS EARLY EDUCATION CENTER	1712 WEST PARK AVENUE	ENVIROSTOR, SCH, CERS	0.7	WNW	N
TELEDYNE BATTERY	840 W BROCKTON AVE	ENVIROSTOR, LUST, CERS HAZ WASTE, SWEEPS UST, HIST UST, CA FID UST, CORTESE, EMI, ICE, HWP, NPDES, SAN BERN. CO. PERMIT, CIWQS, CERS	0.742	NNE	N
TELEDYNE INC TELEDYNE BATTERY	840 W BROCKTON AVE	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION, RAATS	0.742	NNE	N

Notes

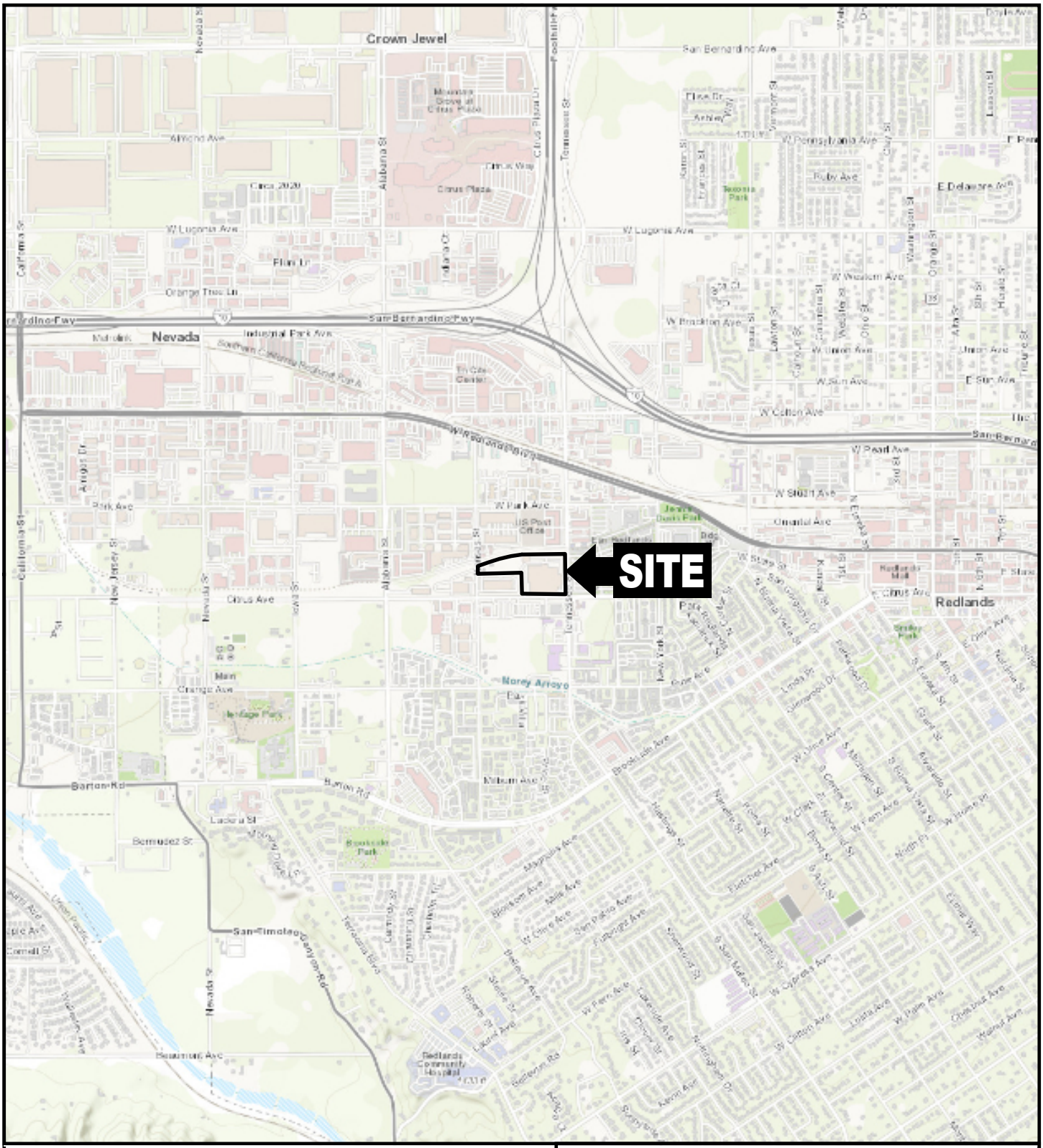
Blue: Facility does not have associated database listings indicative of a release or contamination

Green: Facility is hydraulically downgradient or crossgradient and/or is a closed release case

Orange: Facility has an associated release case impacting soil only and/or VOCs are not a potential contaminant of concern

FIGURES

1. Site Location Map
2. Site Plan
3. Previous Boring Locations Map



QUADRANGLE LOCATION



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

301 TENNESSEE AVENUE & 360 KANSAS STREET
REDLANDS, CALIFORNIA 92373

Prepared for:

DUKE REALTY CORPORATION

ROUX

Compiled by: O.B.	Date: 03/16/22	FIGURE
Prepared by: O.B.	Scale: AS SHOWN	1
Project Mgr: J.A.	Project: 2968.0012L	
File: Site Location.mxd		

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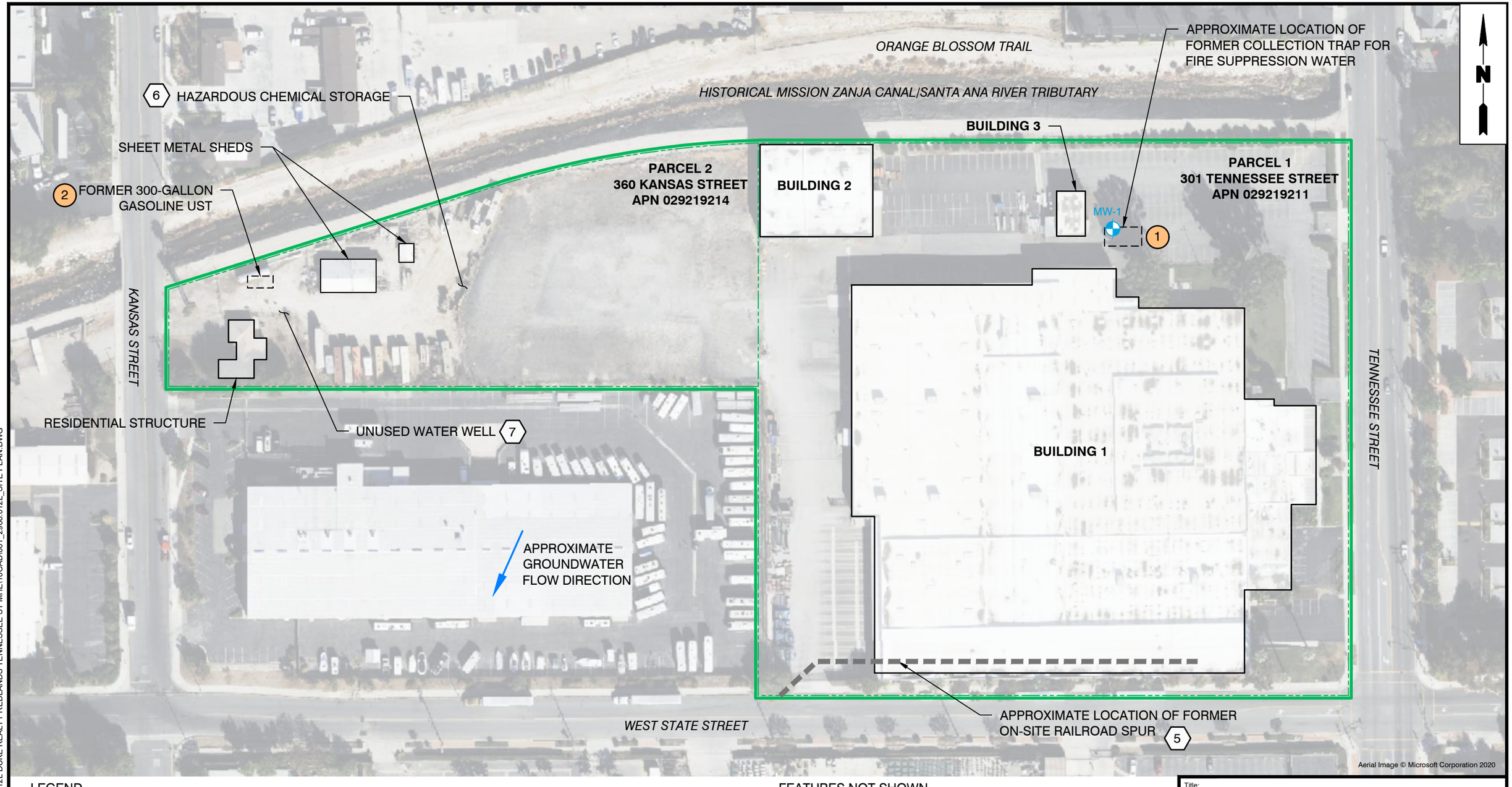

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LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARIES
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- EXISTING GROUNDWATER MONITORING WELL (PARTNER, 2021)
- 1 RECOGNIZED ENVIRONMENTAL CONDITION (REC)
- 5 OTHER ENVIRONMENTAL FEATURE (OEF)

FEATURES NOT SHOWN

- 3 HISTORICAL DEGREASER - LOCATION UNKNOWN (PARCEL 1)
- 4 FORMER AGRICULTURAL OPERATIONS (SITE WIDE)

100' 0 100'

NOTES

PREVIOUS SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON THE DRAFT INVESTIGATION LETTER REPORT, PREPARED BY GSI ENVIRONMENTAL, DATES MARCH 9, 2022.

Title:

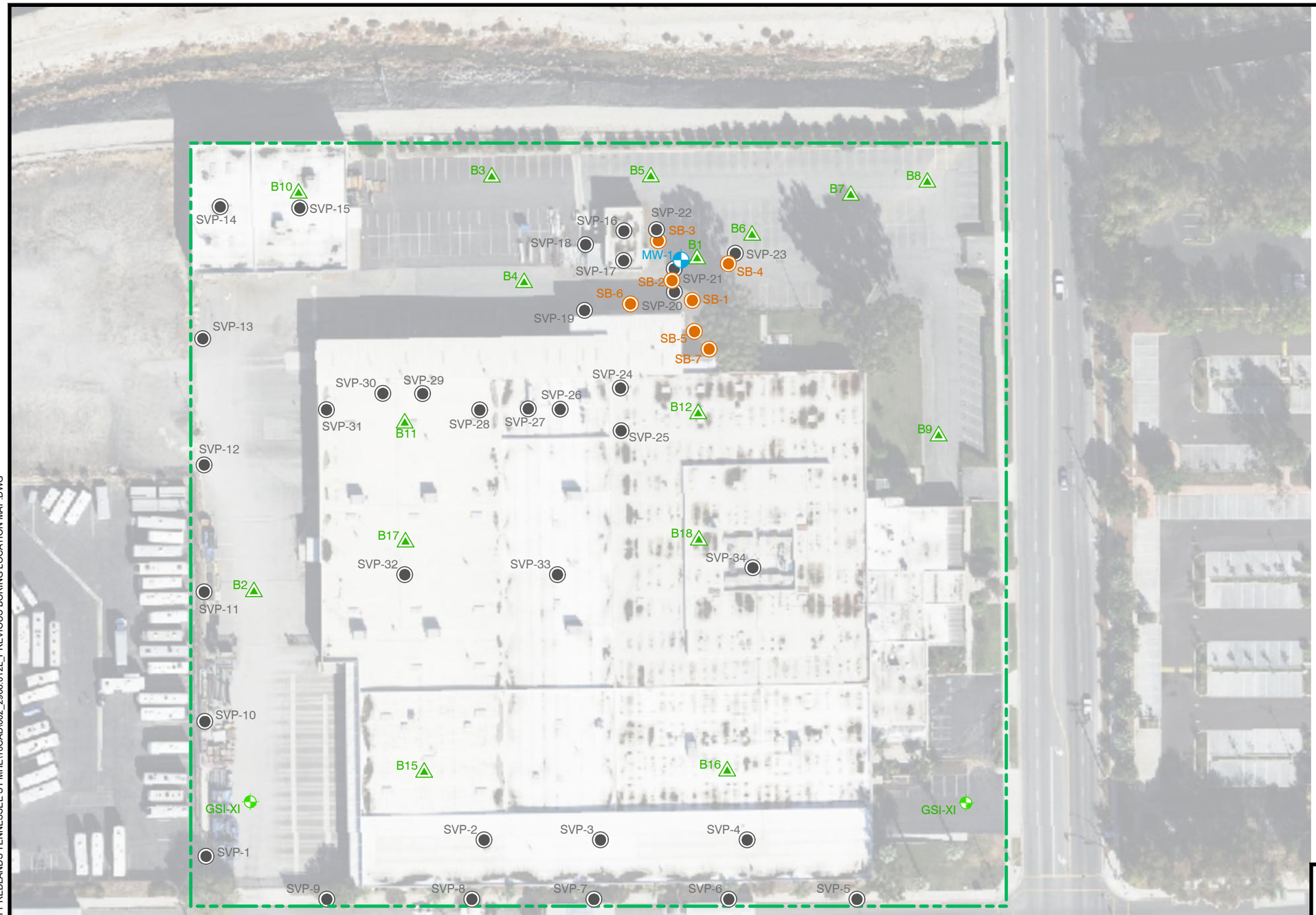
SITE PLAN

301 TENNESSE AVENUE AND 360 KANSAS STREET
REDLANDS, CALIFORNIA 92373

Prepared for:
DUKE REALTY CORPORATION

ROUX

Compiled by: A.T.	Date: APR012022	FIGURE
Prepared by: A.T.	Scale: AS SHOWN	2
Project Mgr: J.A.	Project: 2968.0012L000	
File: 001_2968.012L_SITE PLAN.DWG		



LEGEND

- APPROXIMATE PARCEL BOUNDARY
- PRIOR GRAB GROUNDWATER (TEMPORARY) SAMPLING LOCATION (GSI, 2022)
- PREVIOUS SOIL SAMPLE (RMT, 1994)
- PREVIOUS SOIL SAMPLE (LOR, 2019)
- PRIOR SOIL GAS PROBE (PARTNER, 2021)
- PRIOR MONITORING WELL (PARTNER, 2021)

NOTES

PREVIOUS SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON THE DRAFT INVESTIGATION LETTER REPORT, PREPARED BY GSI ENVIRONMENTAL, DATES MARCH 9, 2022.

N

80' 0 80'

Title:

PREVIOUS BORING LOCATIONS MAP

301 TENNESSE AVENUE
REDLANDS, CALIFORNIA 92373

Prepared for:

DUKE REALTY CORPORATION

ROUX

Compiled by: A.T.	Date: MAR282022	FIGURE
Prepared by: A.T.	Scale: AS SHOWN	3
Project Mgr: J.A.	Project: 2968.0012L000	
File: 002_2968.012L_PREVIOUS BORING LOCATION MAP.DWG		

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APPENDICES

A. Glossary of Terms
B. EDR Historical Topographic Maps
C. EDR Historical Aerial Photographs
D. EDR Certified Sanborn Report
E. EDR City Directory Image Report
F. EDR Radius Map Report with GeoCheck®
G. Photographic Log
H. Pertinent Regulatory Records
I. Pertinent Historical Documenation

APPENDIX A

Glossary of Key Terms

GLOSSARY OF KEY TERMS

This appendix provides definitions, description of terms, and a list of acronyms for many of the words used in ASTM E 1527-13. These terms are an integral part of ASTM E 1527-13 and are critical to understanding ASTM E 1527-13 and its use.

DEFINITIONS:

Abandoned Property – *property* that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current *owner* to surrender rights to the *property*.

Activity and Use Limitations – Legal or physical restrictions or limitations on the use of, or access to, a site or facility: *(1)* to reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil, soil vapor, groundwater, and/or surface water on the *property*, or *(2)* to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or *engineering controls*, are intended to prevent adverse impacts to individuals or populations that may be exposed to *hazardous substances* and *petroleum products* in the soil, soil vapor, groundwater, and/or surface water on the *property*.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – The list of sites compiled by EPA that EPA has investigated, or is currently investigating, for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris – Concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contaminated public wells – Public wells used for drinking water that have been designated by a government entity as contaminated by toxic substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

Contiguous Property Owner Liability Protection – a person may qualify for the *contiguous property owner liability protection* if, among other requirements, such person owns real *property* that is contiguous to, and that is or may be contaminated by *hazardous substances* from other real *property* that is not owned by that person. Furthermore, such person conducted *all appropriate inquiries* at the time of acquisition of the *property* and did not know or have reason to know that the *property* was or could be contaminated by a *release* or threatened *release* from the contiguous *property*. The *all appropriate inquiries* must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the *contiguous property owner liability protection*.

Controlled Recognized Environmental Condition – a *recognized environmental condition* resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).

CORRACTS list – a list maintained by EPA of *hazardous waste* treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of *hazardous waste* beyond 90 days)

that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA. The *CORRACTS list* is a subset of the EPA database that manages RCRA data.

Demolition debris – Concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Drum – A container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store *hazardous substances* or *petroleum products.*

Dry wells – Underground areas where soil have been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional), and wastewater disposal (often illegal).

Dwelling – Structure of portion thereof used for residential habitation.

Engineering controls – Physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to contaminants in the soil or groundwater on the property.

Environmental lien – A charge, security, or encumbrance upon title to a *property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including (but not limited to) liens imposed pursuant to CERCLA 42 USC § 9607(1) and similar state or local laws.

ERNS list – EPA's emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR parts 302 and 355.

Federal Register (FR) – Publication of the Untied States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fire insurance maps – Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available in local libraries, historical societies, private resellers, or from the map companies who produced them. See Question 23 of the transaction screen process in Practice E 1528 and 7.3.4.2 of this practice.

Hazardous substance – A substance defined as hazardous pursuant to CERCLA 42 USC § 9601(14), as interpreted by EPA regulations and the courts: "(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Soil Waste Disposal Act (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC § 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A)

through (F) of this paragraph; the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

Hazardous waste – Any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Cat (42 USC § 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC § 6901 *et seq.*) has been suspended by Act of Congress). The Solid Waste Disposal Act of 1980 amended RCRA. RCRA defines hazardous waste, in 42 USC § 6903, as: "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."

Institutional control – A legal or administrative restriction (e.g., deed restriction, restrictive zoning) on the use of, or access to, a site or facility to reduce or eliminate potential exposure to contaminants in the soil or groundwater on the property.

Landfill – A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *solid waste disposal site* and is also known as a garbage dump, trash dump, or similar term.

Local street directories – Directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often, local street directories are available at libraries of local governments, colleges or universities, or historical societies.

Material safety data sheet (MSDS) – Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29, CFR 1910.1200.

National Contingency Plan (NCP) – The National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 CFR § 300, that is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

National Priorities List (NPL) – List compiled by the EPA, pursuant to CERCLA 42 USC § 9605(a)(8)(B), of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System. See 40 CFR Part 300.

Occupants – Those tenants, subtenants, or other persons or entities using the *property* or a portion of the *property.*

Owner – Generally the fee owner of record for the *property*.

Petroleum exclusion – The exclusion from CERCLA liability provided in 42 USC § 9601(14), as interpreted by the courts and EPA: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

Petroleum products – Those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC § 9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*[1]*.)*

Phase I Environmental Site Assessment – The process described in this practice.

Pits, ponds, or lagoons – Man-made or natural depressions in the ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

Property – The real property that is the subject of the *environmental site assessment* described in this practice. Real property includes buildings and other fixtures and improvement located on the property and affixed to the land.

Property tax files – The files kept for property tax purposes by the local jurisdiction where the property is located and includes records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonable ascertainable and pertaining to the property.

RCRA generators – Those persons or entities that generate hazardous waste, as defined and regulated by RCRA.

RCRA generators list – List kept by the EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA.

RCRA TSD facilities – Those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

RCRA TSD facilities list – List kept by the EPA of those facilities at which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA.

Recorded land title records – Records of fee ownership, leases, land contracts, easements, liens, and other encumbrances on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the *property* is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records.

Records of emergency release notifications (SARA § 304) – Section 304 of EPCRA or Title III of SARA requires operators of facilities to notify their local emergency planning committee (as defined in EPCRA) and the state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance. Often the local fire department is the local emergency planning committee. Records of such notifications are "Records of Emergency Release Notifications" (SARA§ 304).

Report – The written record of a transaction screen process as required by Practice E 1528 or the written report prepared by the environmental professional and constituting part of a "Phase I Environmental Site Assessment," as required by this practice.

Solid waste disposal site – A place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *landfill* and is also known as a garbage dump, trash dump, or similar term.

Solvent – A chemical compound that is capable of dissolving another substance and may itself be a *hazardous substance,* used in a number of manufacturing/industrial processes including, but not limited to, the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

State registered USTs – State lists of underground storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

Sump – A pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility – Treatment, storage, or disposal facility (*see RCRA TSD facilities*).

Underground storage tank (UST) - Any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

USGS 7.5 Minute Topographic Map – The map (if any) available from or produced by the United States Geological Survey, entitled "USGS 7.5 Minute Topographic Map," and showing the property.

Wastewater – Water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as storm water flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

Zoning/land use records – Those records of the local government in which the *property* is located, indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county.

DEFINITIONS SPECIFIC TO ASTM E 1527-13:

Actual knowledge – The knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Adjoining properties – Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

Aerial photographs – Photographs taken from an airplane or helicopter (from a low enough altitude to allow identification of development and activities) of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.

Appropriate inquiry – That inquiry constituting "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in CERCLA, 42 USC § 9601(35)(B), that will give a party to a *commercial real estate* transaction the *innocent landowner defense* to the CERCLA liability (42 USC § 9601(A) and (B) and § 9607(b)(3)), assuming compliance with other elements of the defense. See Appendix X1.

Approximate minimum search distance – The area for which records must be obtained and reviewed pursuant to Section 7 subject to the limitations provided in that section. This may include areas outside the *property* and shall be measured from the nearest *property* boundary. This term is used in lieu of radius to include irregularly-shaped properties.

Building department records – Those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often, building department records are located in the building department of a municipality or county.

Business environmental risk – A risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of *business environmental risk* issues may necessitate that an *environmental professional* address one or more non-scope considerations, some of which are identified in Section 12.

Commercial real estate – Any real property except a dwelling or property with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwellings for profit). This term includes, but is not limited to, undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential purposes that has more than four residential dwelling units; and any property with no more than four dwelling units for residential use when it has a commercial function, as in the building of such dwellings for profit.

Commercial real estate transaction – A transfer of title to or possession of real property or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real property or the receipt of a security interest in real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Controlled Recognized Environmental Condition – a *recognized environmental condition* resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).

Due diligence – The process of inquiring into the environmental characteristics of a parcel of *commercial real estate* or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

Environmental audit – The investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe Practice E 1528 or this practice, although an environmental audit may include an *environmental site assessment* or, if prior audits are available, may be part of an environmental site assessment.

Environmental professional – A person processing sufficient training and experience necessary to conduct a *site reconnaissance, interviews,* and other activities in accordance with this practice, and from the information generated by such activities, having the ability to develop opinions and conclusions regarding *recognized environmental conditions* in connection with the *property* in question. An individual's status as an environmental professional may be limited to the type of assessment to be performed or to specific segments of the assessment for which the professional is responsible. The person may be an independent contractor or an employee of the *user.*

Environmental site assessment (ESA) – The process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions.* At the option of the *user*, an environmental site assessment may include more inquiry than that constituting *appropriate inquiry* or, if the user is not concerned about qualifying for the *innocent landowner defense,* less inquiry than that constituting *appropriate inquiry.* An environmental site assessment is both different from and less rigorous than an *environmental audit.*

Fill dirt – Dirt, soil, sand, or other earth, obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Hazardous waste/contaminated sites – Sites on which a release has occurred, or is suspected to have occurred, of any *hazardous substance, hazardous waste,* or *petroleum products,* and that release or suspected release has been reported to a government entity.

Historical Recognized Environmental Condition – a past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the *property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the *property* to any required controls (for example, *property* use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*). Before calling the past *release* a *historical recognized environmental condition*, the *environmental professional* must determine whether the past *release* is a *recognized environmental condition* at the time the *Phase I Environmental Site Assessment* is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past *release* to be a *recognized environmental condition* at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a *recognized environmental condition*.

Innocent landowner defense – That defense to CERCLA liability provided in 42 USC § 9601(35) and § 9607(b)(3). One of the requirements to qualify for this defense is that the party make "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice." There are additional requirements to qualify for this defense.

Interviews – Those portions of this practice that are contained in Section 9 and 10 thereof and address questions to be asked of *owners* and *occupants* of the *property* and questions to be asked of local government officials.

Key site manager – The person identified by the *owner* of a *property* as having good knowledge of the uses and physical characteristics of the property.

Local government agencies – Those agencies of municipal or county government having jurisdiction over the *property.* Municipal and county government agencies include, but are not limited to, cities, parishes, townships, and similar entities.

LUST sites – State lists of leaking underground storage tank sites. Section 9003 (h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

Major occupants – Those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the *property* or any anchor tenant when the *property* is a shopping center.

Material threat – A physically observable or obvious threat which is reasonable likely to lead to a release that, in the opinion of the *environmental professional,* is threatening and might result in impact to human health and the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Obvious – That which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while *visually* or *physically observing the property.*

Other historical sources – Any source or sources other than those designated in 7.3.4.1-7.3.4.8 that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to, miscellaneous maps, newspaper archives, and records in the files and/or personal knowledge of the *property owner* and/or *occupants.*

Physical setting sources – sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of a *property.*

Practically reviewable – Information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the *property* without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the *property* or a geographic area in which the *property* is located are not generally *practically reviewable.* Most databases of public records are *practically reviewable* if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not *practically reviewable* unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be

identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be *practically reviewable*. In other words, then so much data is generated that it cannot be feasibly reviewed for its impact on the *property,* it is not *practically reviewable.*

Preparer – The person preparing the *transaction screen questionnaire* pursuant to Practice E 1528, who may be either the user or the person to whom the user has delegated the preparation of the *transaction screen questionnaire.*

Publicly available – Information that is publicly available means that the source of the information allows access to the information by anyone upon request.

Reasonably ascertainable – For purposes of both this practice and Practice E 1528, information that is (1) *publicly available,* (2) obtainable from its source within reasonable time and cost constraints, and (3) *practically reviewable.*

Recognized Environmental Conditions – the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (*1*) due to release to the environment; (*2*) under conditions indicative of a *release* to the *environment*; or (*3*) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.

Records review – That part that is contained in Section 7 of this practice addresses which records shall or may be reviewed.

Site reconnaissance – That part that is contained in Section 8 of this practice and addresses what should be done in connection with the *site visit.* The site reconnaissance includes, but is not limited to, the *site visit* done in connection with such a Phase I Environmental Site Assessment.

Site visit – The visit to the property during which observations are made constituting the *site reconnaissance* section of this practice and the *site visit* requirement of Practice E 1528.

Standard environmental record sources – Those records specified in 7.2.1.1.

Standard historical sources – Those sources of information about the history of uses of the property specified in 7.3.4.

Standard physical setting source – A current USGS 7.5-minute topographic map (if any) showing the area on which the property is located.

Standard practice(s) – The activities set forth in either and both this practice and Practice E 1528.

Standard sources – Sources of environmental, physical setting, or historical records specified in Section 7 of this practice.

Transaction screen process – The process described in Practice E 1528.

Transaction screen questionnaire – The questionnaire provided in Section 6 of Practice E 1528.

User – The party seeking to use Practice E 1528 to perform an *environmental site assessment* of the *property*. A user may include, without limitation, a purchaser of *property,* a potential tenant of *property,* an *owner* of *property,* a lender, or a property manager.

Visually and/or physically observed – During a *site visit* pursuant to Practice E 1528, or pursuant to this practice, this term means observations made by vision while walking through a *property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a *site visit;* they may do so by the means at their disposal for moving through the *property* and the structures located on it.

ACRONYMS:

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 *et seq.*)

CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)

CFR – Code of Federal Regulations

CORRACTS – Facilities subject to corrective action under RCRA

EPA – United States Environmental Protection Agency

EPCRA – Emergency Planning and Community Right to Know Act (also known as SARA Title III), 42 USC § 11001 *et seq.*)

ERNS – Emergency response notification system

ESA – Environmental site assessment (different than an *environmental audit*)

FOIA – U.S. Freedom of Information Act (5 USC 552 *et seq.*)

FR – Federal Register

LUST – Leaking underground storage tank

MSDS – Material safety data sheet

NCP – National Contingency Plan

APPENDIX B

EDR Historical Topographic Maps

Duke - Tennessee/Kansas

301 Tennessee Ave

Redlands, CA 92373

Inquiry Number: 6882471.4

March 03, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/03/22

Site Name:

Duke - Tennessee/Kansas
301 Tennessee Ave
Redlands, CA 92373
EDR Inquiry # 6882471.4

Client Name:

Roux Associates
5150 E Pacific Coast Highway
Long Beach, CA 90804
Contact: Justin Allen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Roux Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: Duke - Tennessee/Kansas

Coordinates:

Latitude:	34.056446 34° 3' 23" North
Longitude:	-117.201214 -117° 12' 4" West
UTM Zone:	Zone 11 North
UTM X Meters:	481430.61
UTM Y Meters:	3768432.89
Elevation:	1266.00' above sea level

Maps Provided:

2018	1967
2015	1954
2012	1901
1996	1899
1988	
1980	
1975	
1973	

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Topo Sheet Key

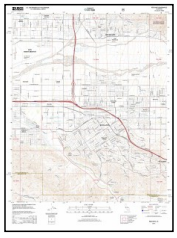
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Redlands
2018
7.5-minute, 24000

2015 Source Sheets



Redlands
2015
7.5-minute, 24000

2012 Source Sheets



Redlands
2012
7.5-minute, 24000

1996 Source Sheets

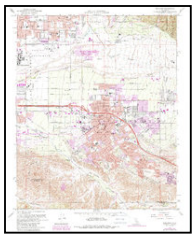


Redlands
1996
7.5-minute, 24000
Aerial Photo Revised 1994

Topo Sheet Key

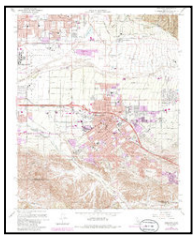
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1988 Source Sheets



Redlands
1988
7.5-minute, 24000
Aerial Photo Revised 1985

1980 Source Sheets



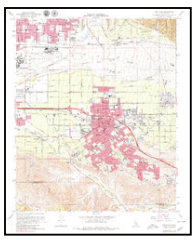
Redlands
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1975 Source Sheets



Redlands
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1973 Source Sheets

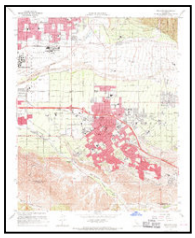


Redlands
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1967 Source Sheets



Redlands
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Redlands
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1901 Source Sheets



Redlands
1901
15-minute, 62500

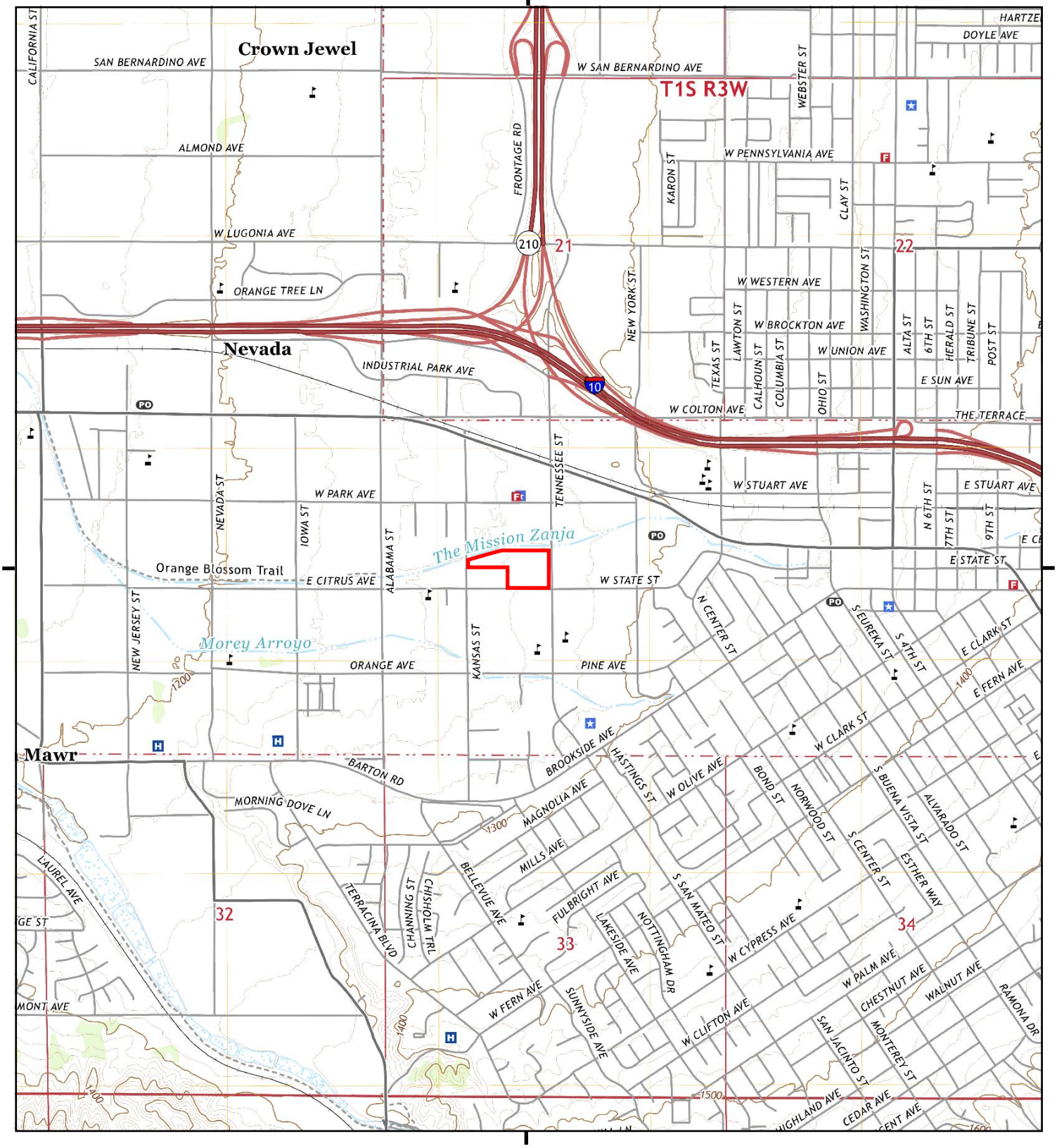
1899 Source Sheets



Redlands
1899
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

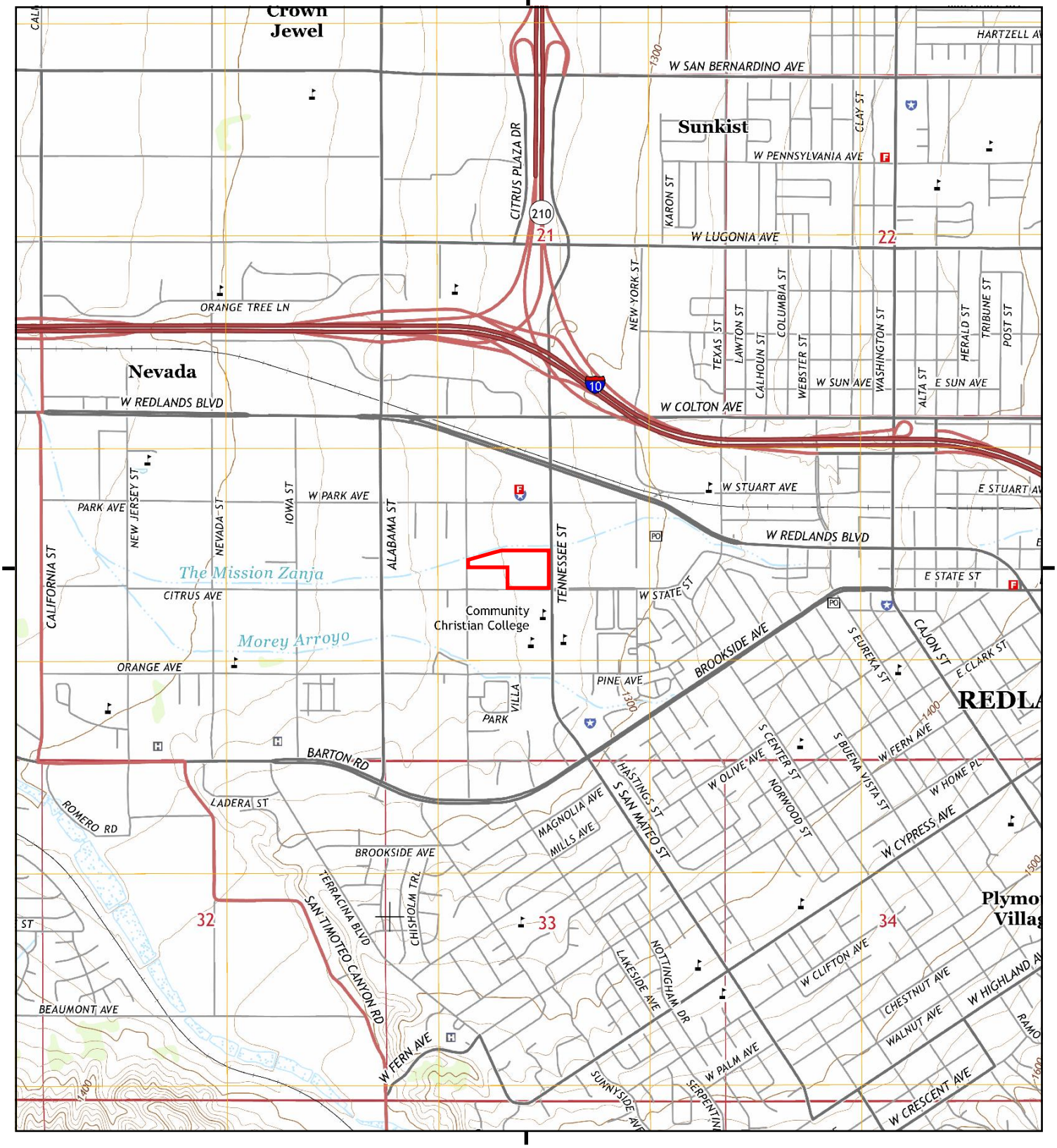
TP, Redlands, 2018, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

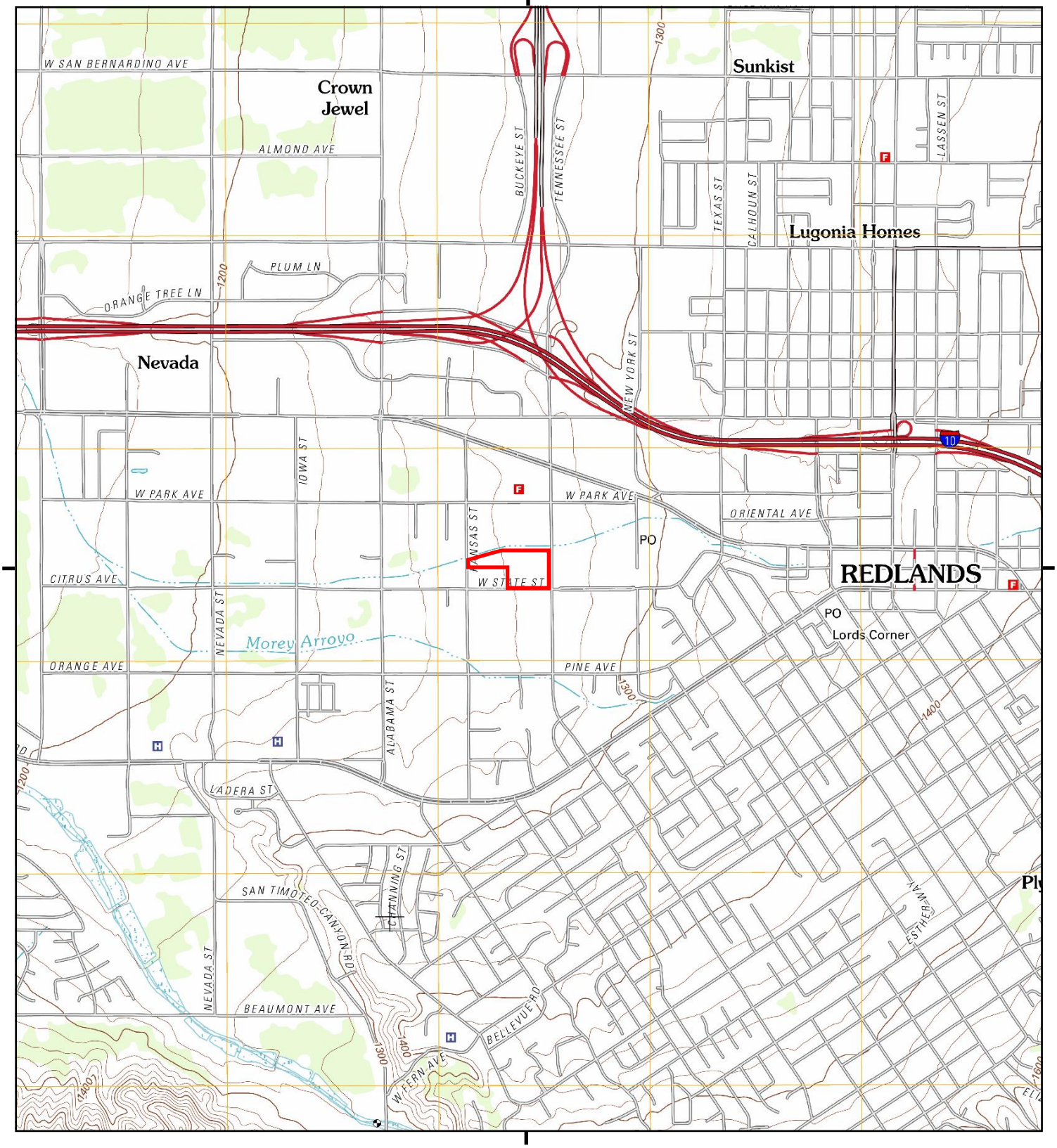
TP, Redlands, 2015, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

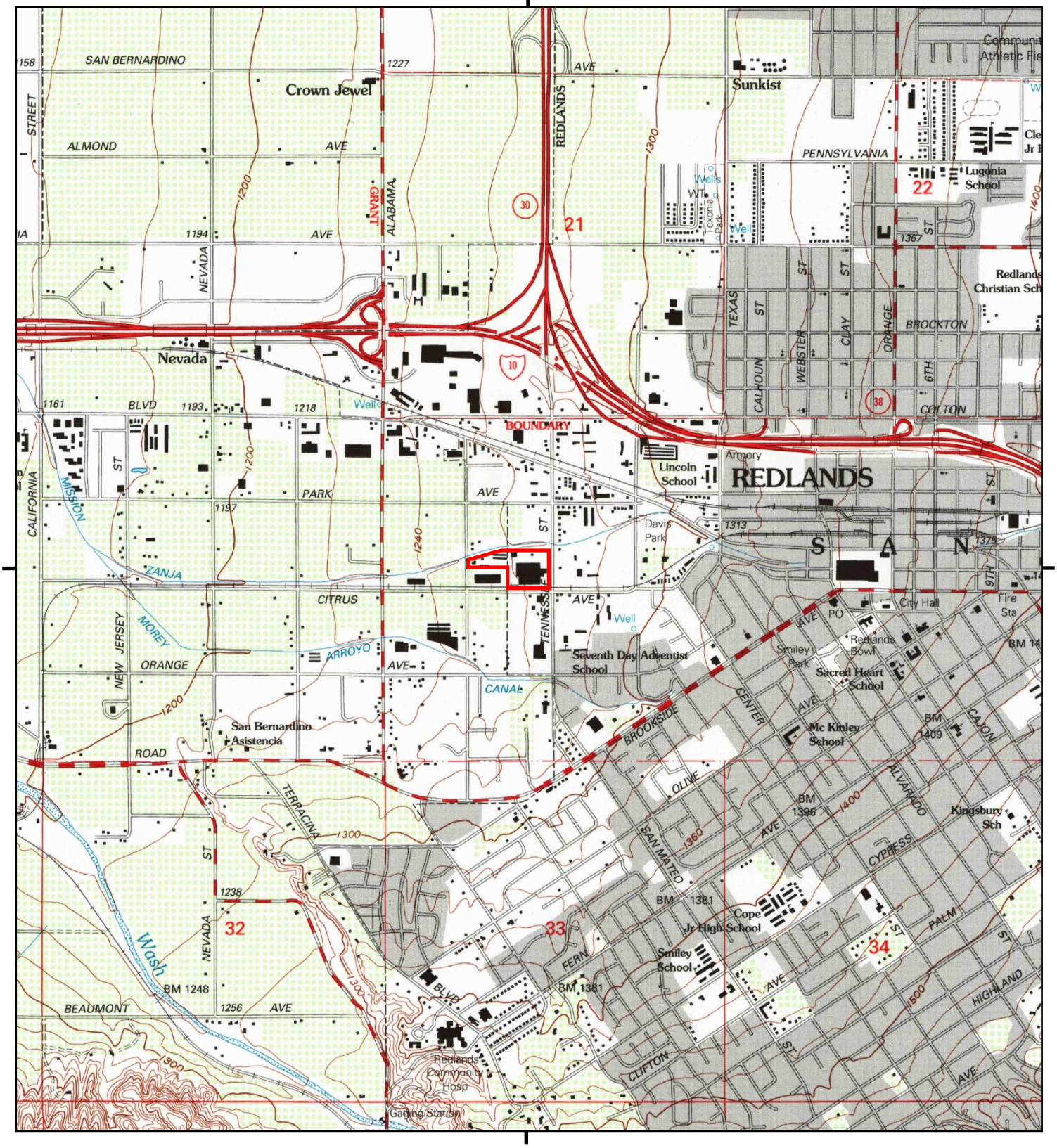
TP, Redlands, 2012, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1996



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

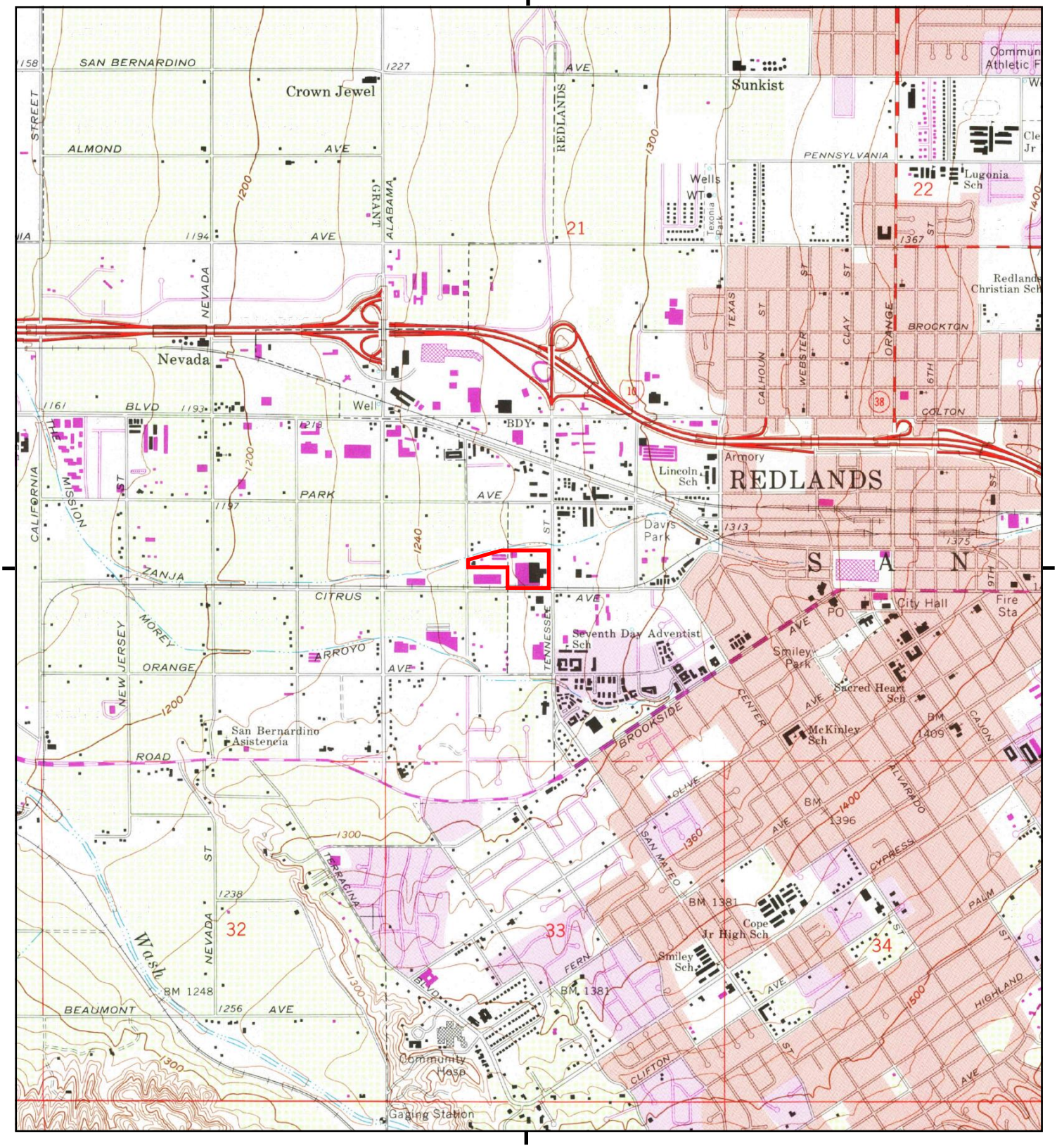
TP, Redlands, 1996, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1988



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

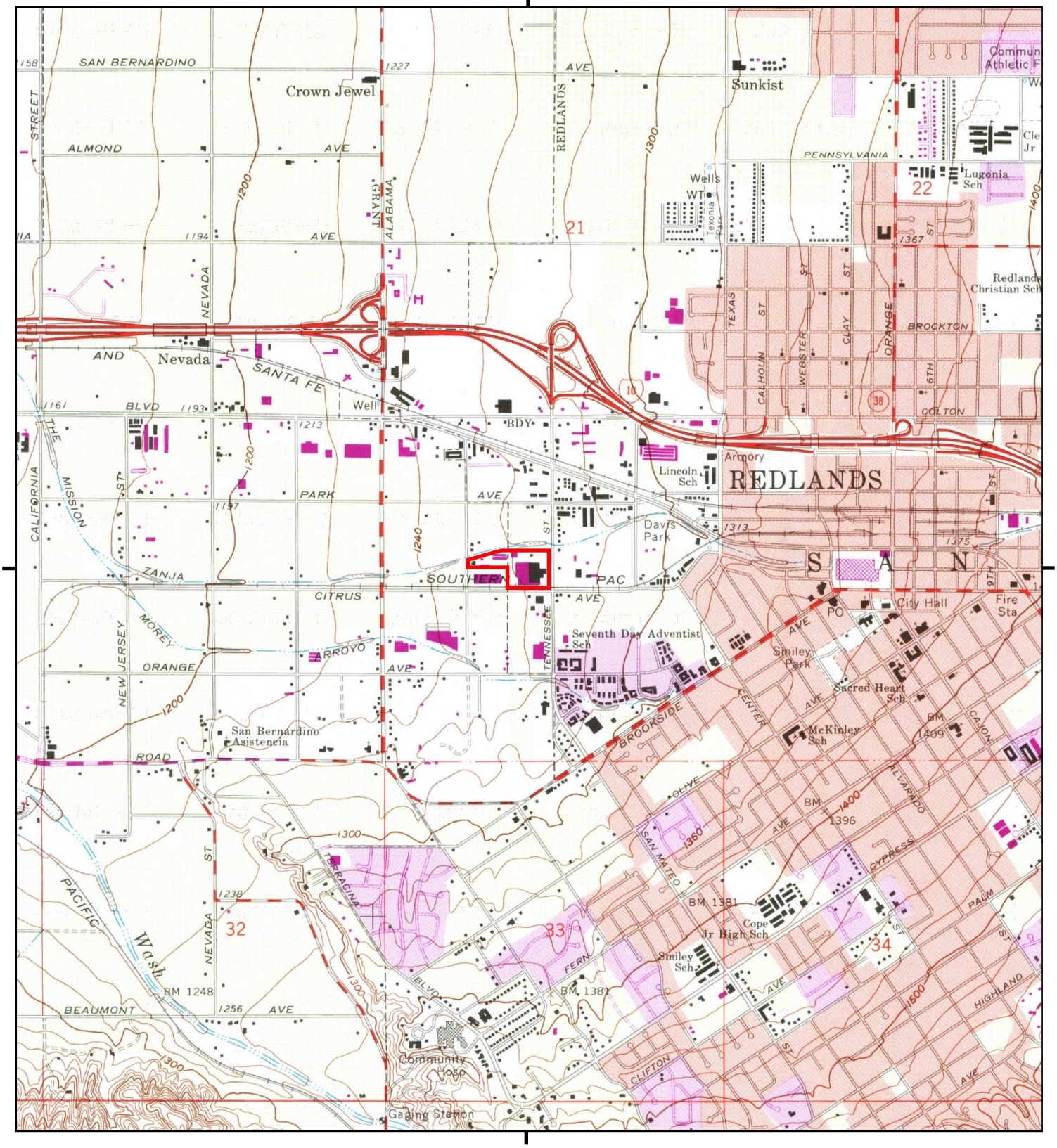
TP, Redlands, 1988, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1980, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

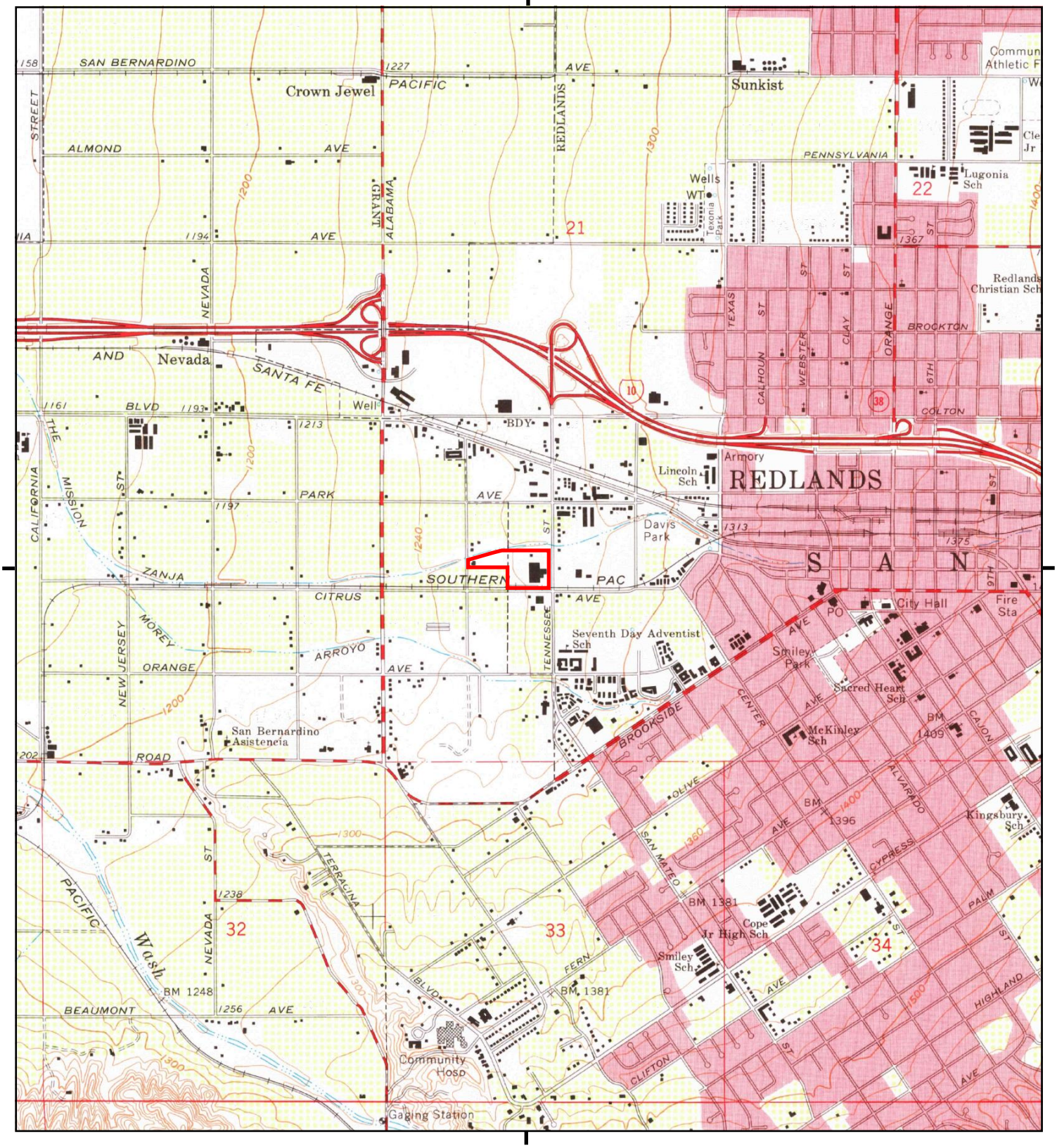
TP, Redlands, 1975, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

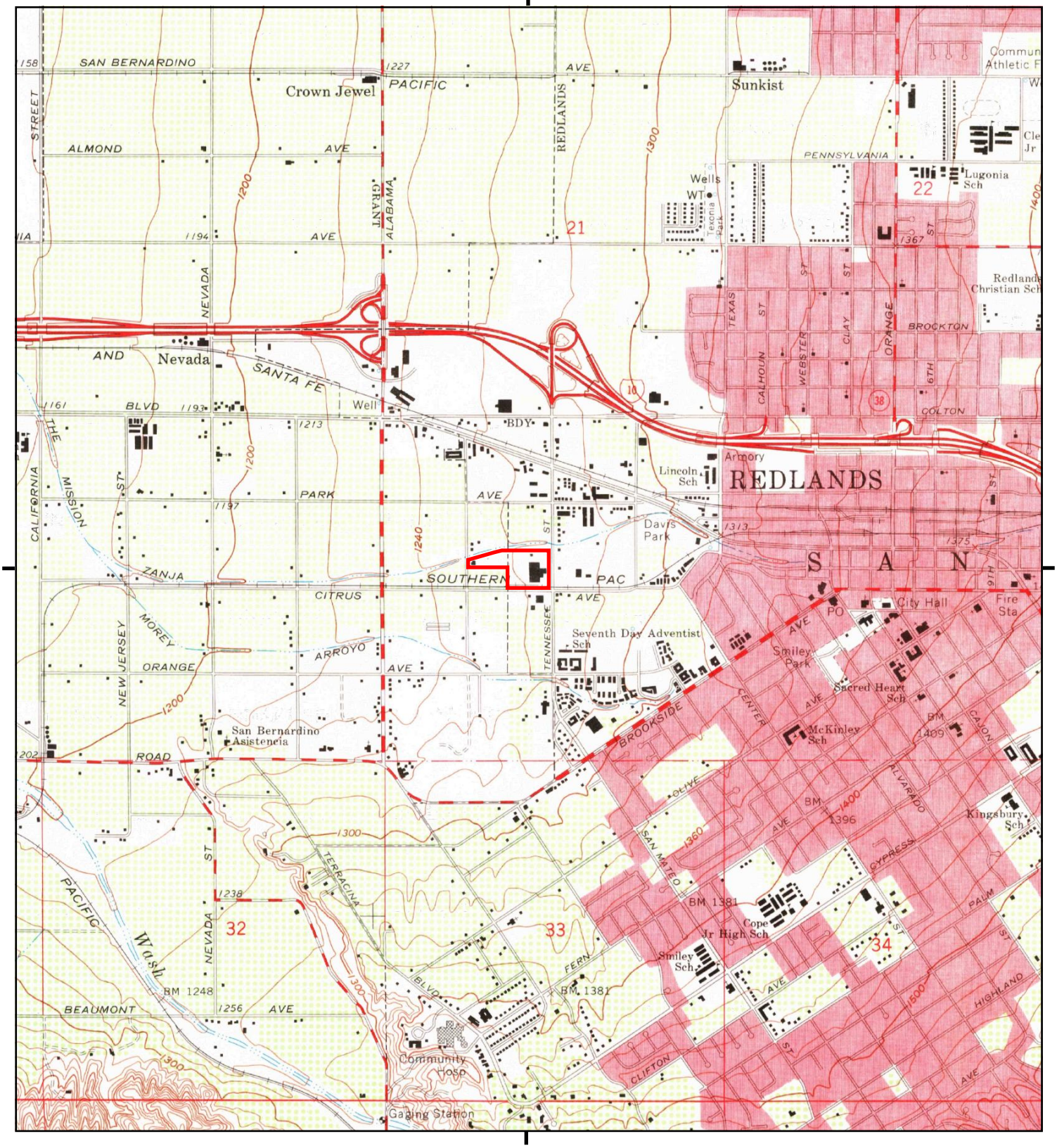
TP, Redlands, 1973, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

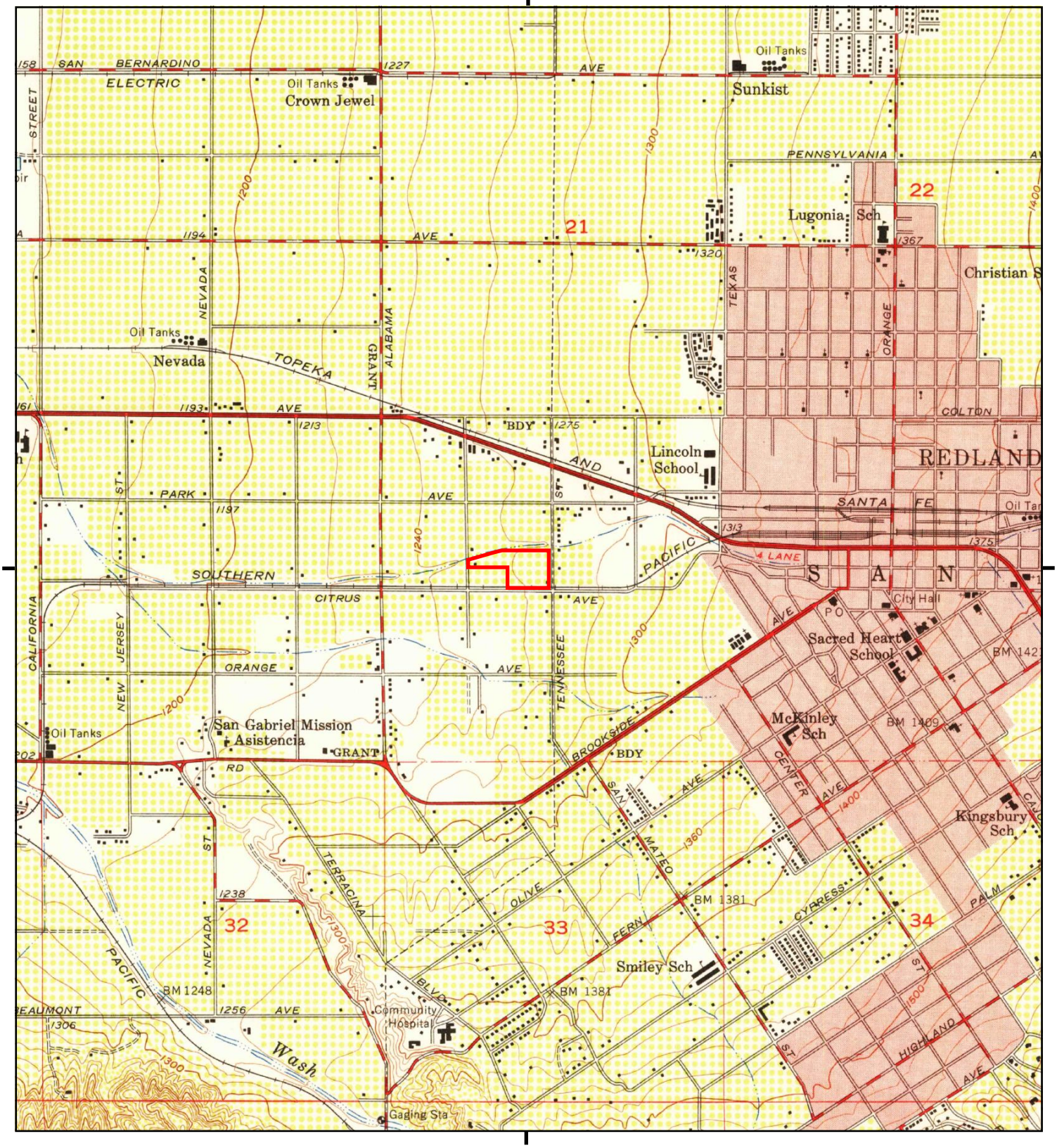
TP, Redlands, 1967, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

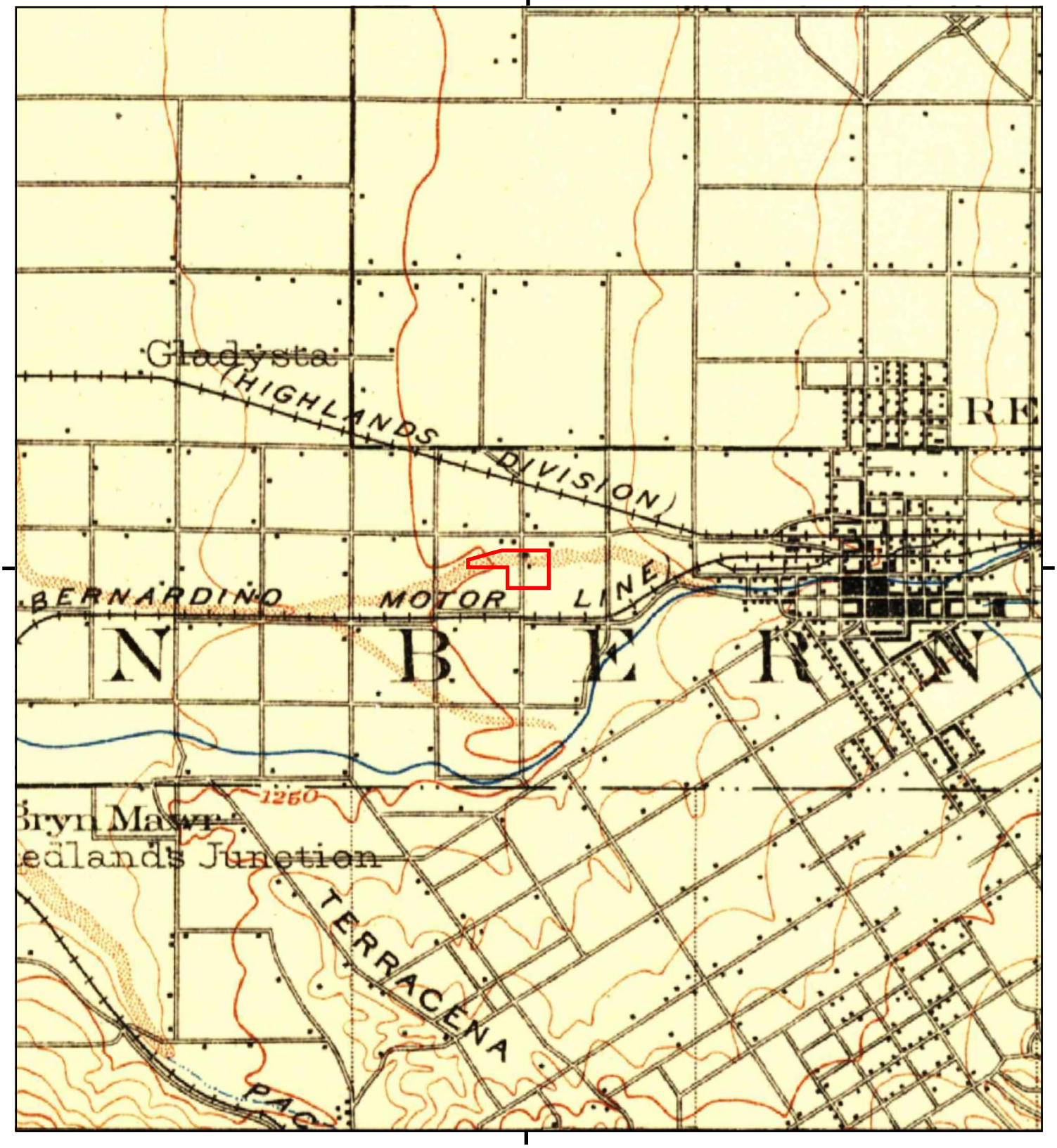
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1954, 7.5-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N



This report includes information from the following map sheet(s).

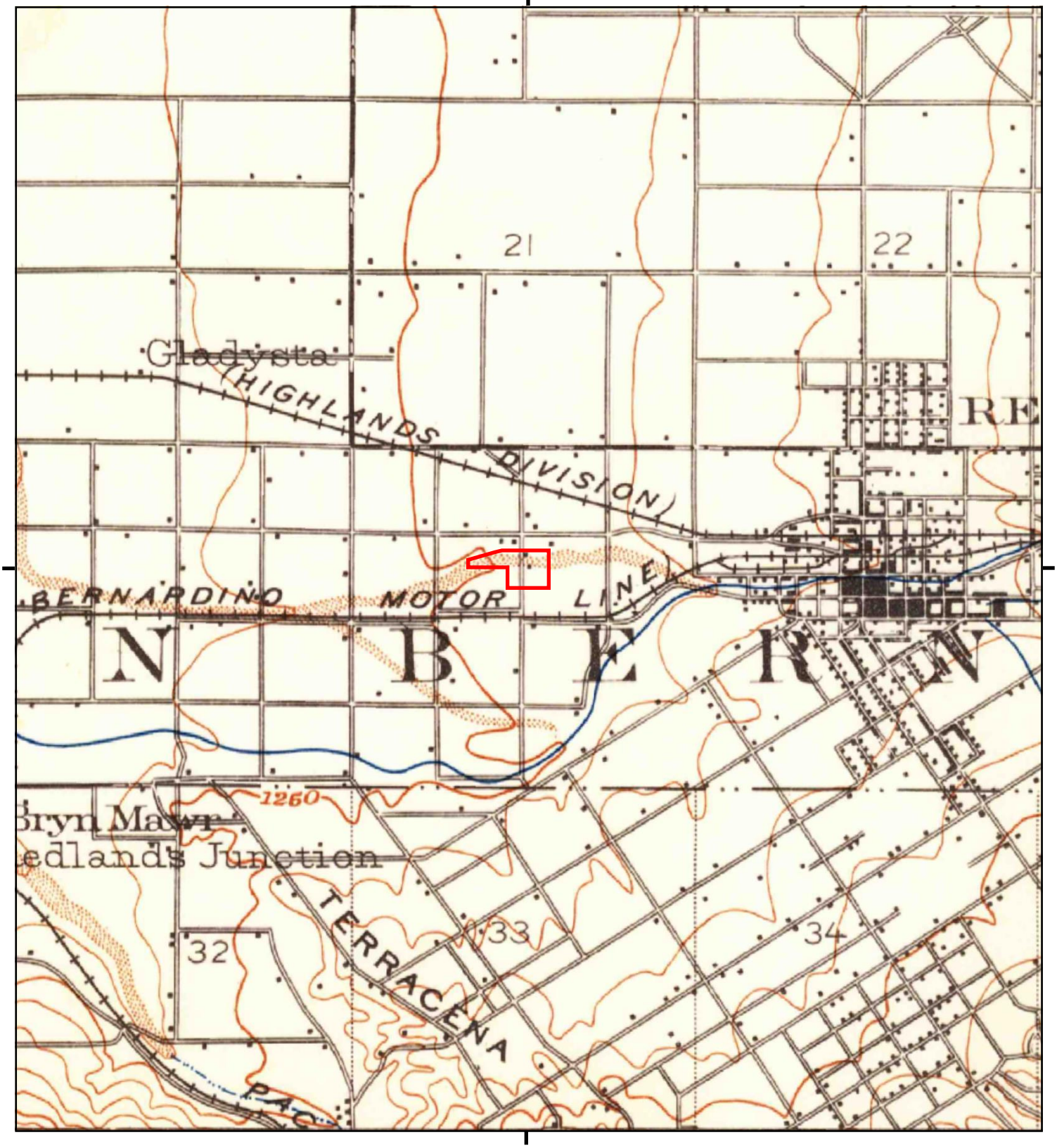
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1901, 15-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1899, 15-minute

SITE NAME: Duke - Tennessee/Kansas
ADDRESS: 301 Tennessee Ave
Redlands, CA 92373
CLIENT: Roux Associates

N

APPENDIX C

EDR Historical Aerial Photographs

Duke - Tennessee/Kansas

301 Tennessee Ave

Redlands, CA 92373

Inquiry Number: 6882471.8

March 03, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/03/22

Site Name:

Duke - Tennessee/Kansas
301 Tennessee Ave
Redlands, CA 92373
EDR Inquiry # 6882471.8

Client Name:

Roux Associates
5150 E Pacific Coast Highway
Long Beach, CA 90804
Contact: Justin Allen

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: December 01, 1975	USGS
1968	1"=500'	Flight Date: August 22, 1968	USDA
1966	1"=500'	Flight Date: April 16, 1966	USGS
1959	1"=500'	Flight Date: June 22, 1959	USDA
1953	1"=500'	Flight Date: January 15, 1953	USDA
1949	1"=500'	Flight Date: May 08, 1949	USDA
1938	1"=500'	Flight Date: July 04, 1938	USDA
1930	1"=500'	Flight Date: March 25, 1930	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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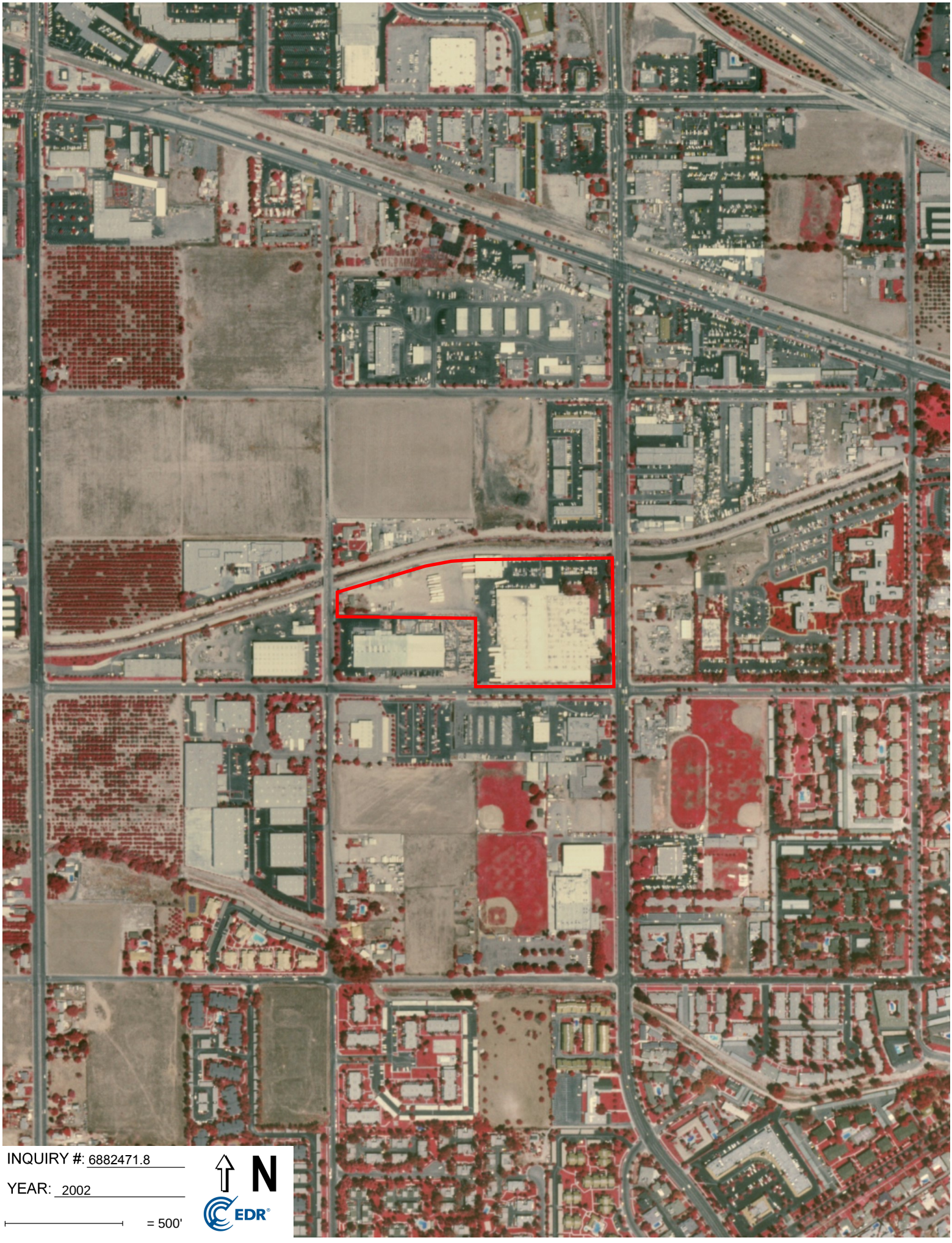
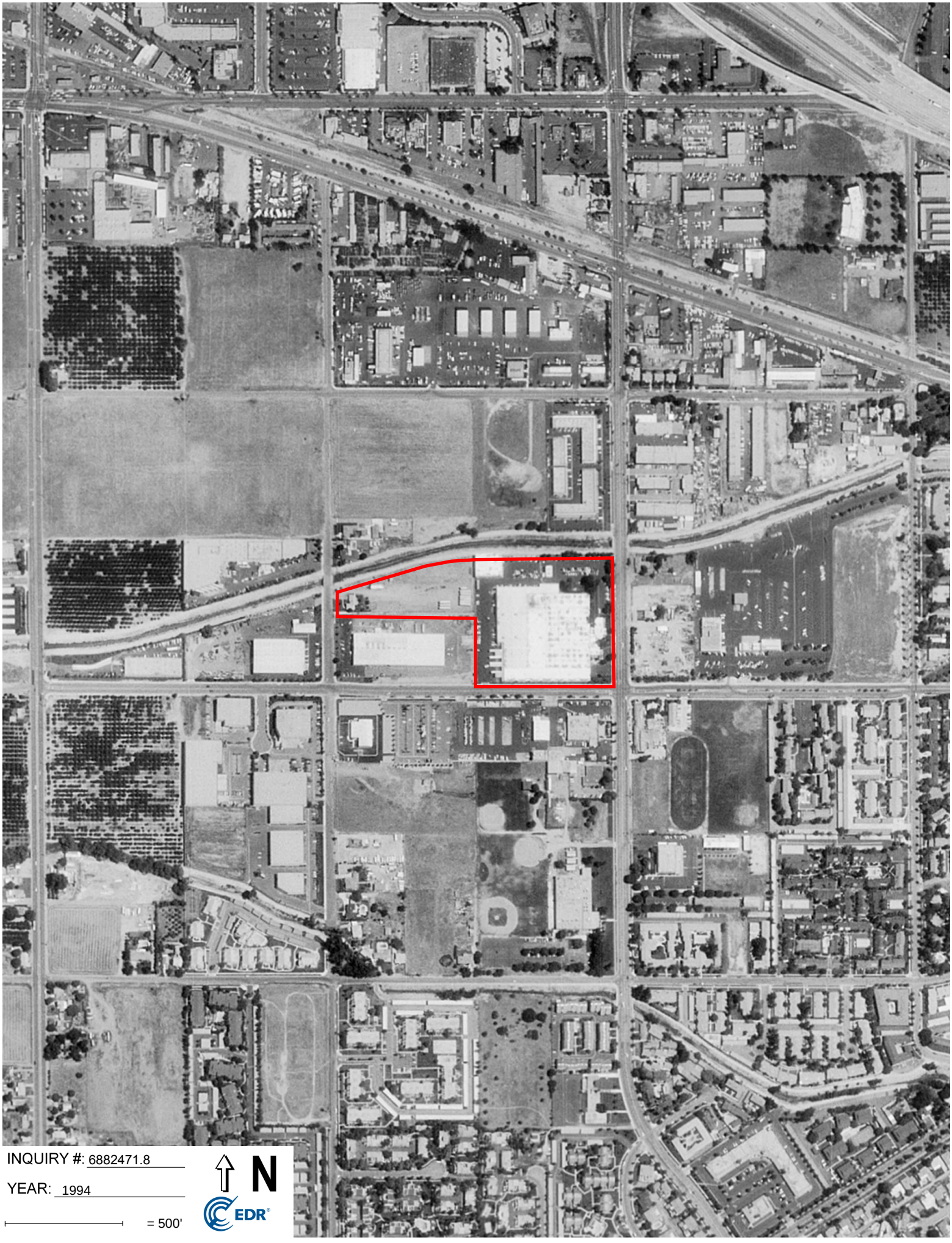
INQUIRY #: 6882471.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6882471.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6882471.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6882471.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 6882471.8
YEAR: 2002
= 500'
N
EDR



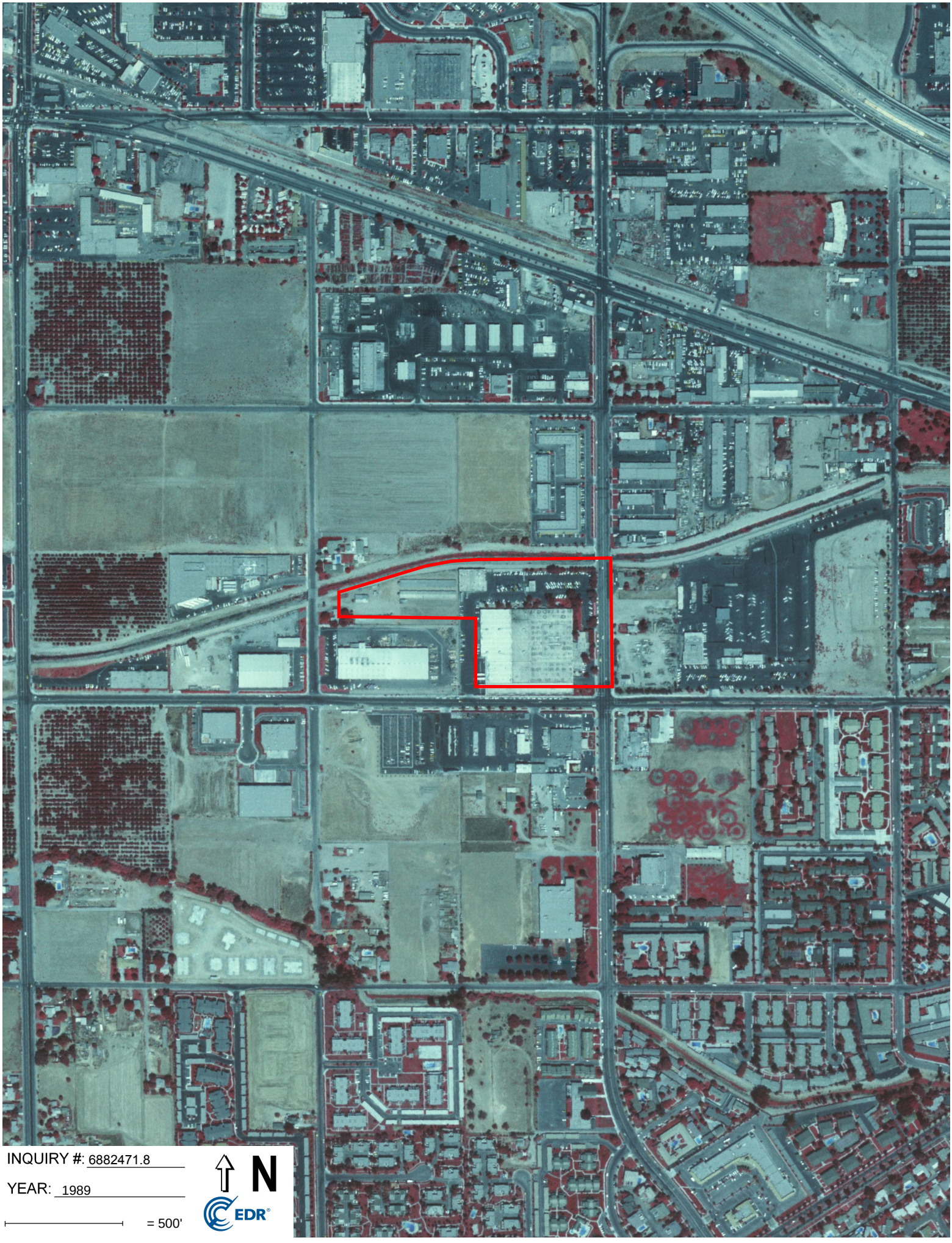
INQUIRY #: 6882471.8

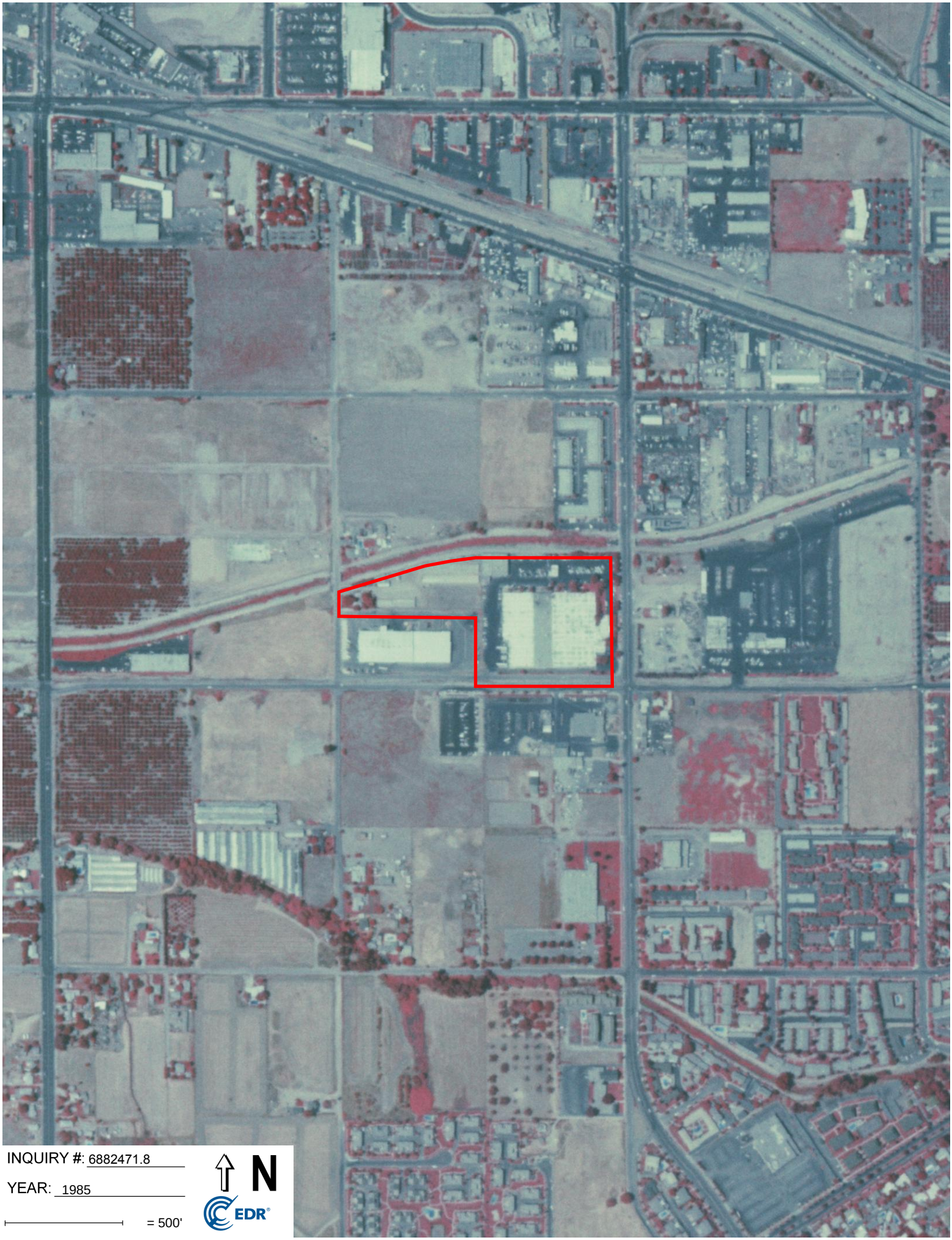
YEAR: 1994

= 500'

N

EDR


INQUIRY #: 6882471.8
YEAR: 1989
= 500'
N
EDR


INQUIRY #: 6882471.8
YEAR: 1985
= 500'
N
EDR



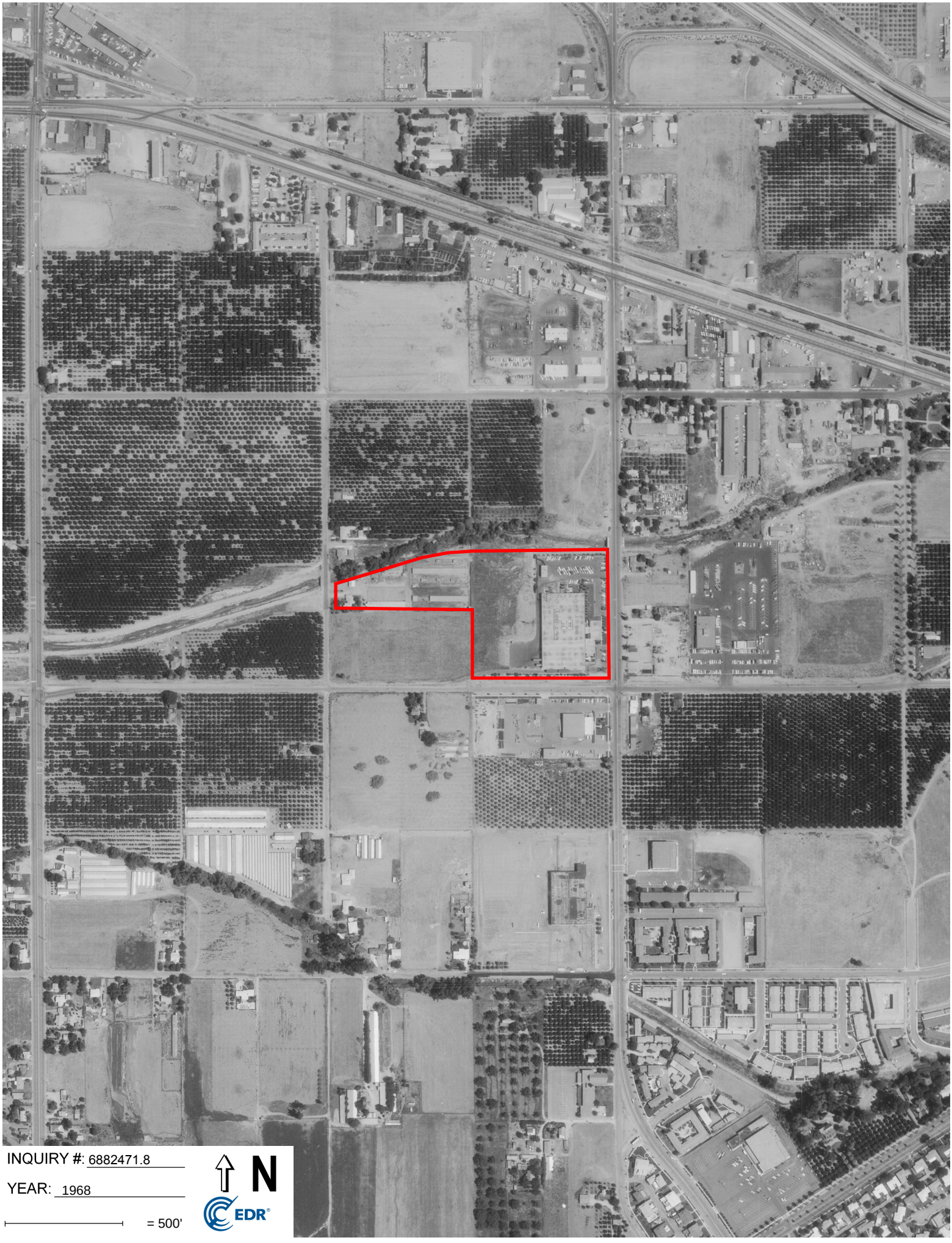
INQUIRY #: 6882471.8

YEAR: 1975

= 500'

N

EDR


INQUIRY #: 6882471.8
YEAR: 1968
= 500'
N
EDR



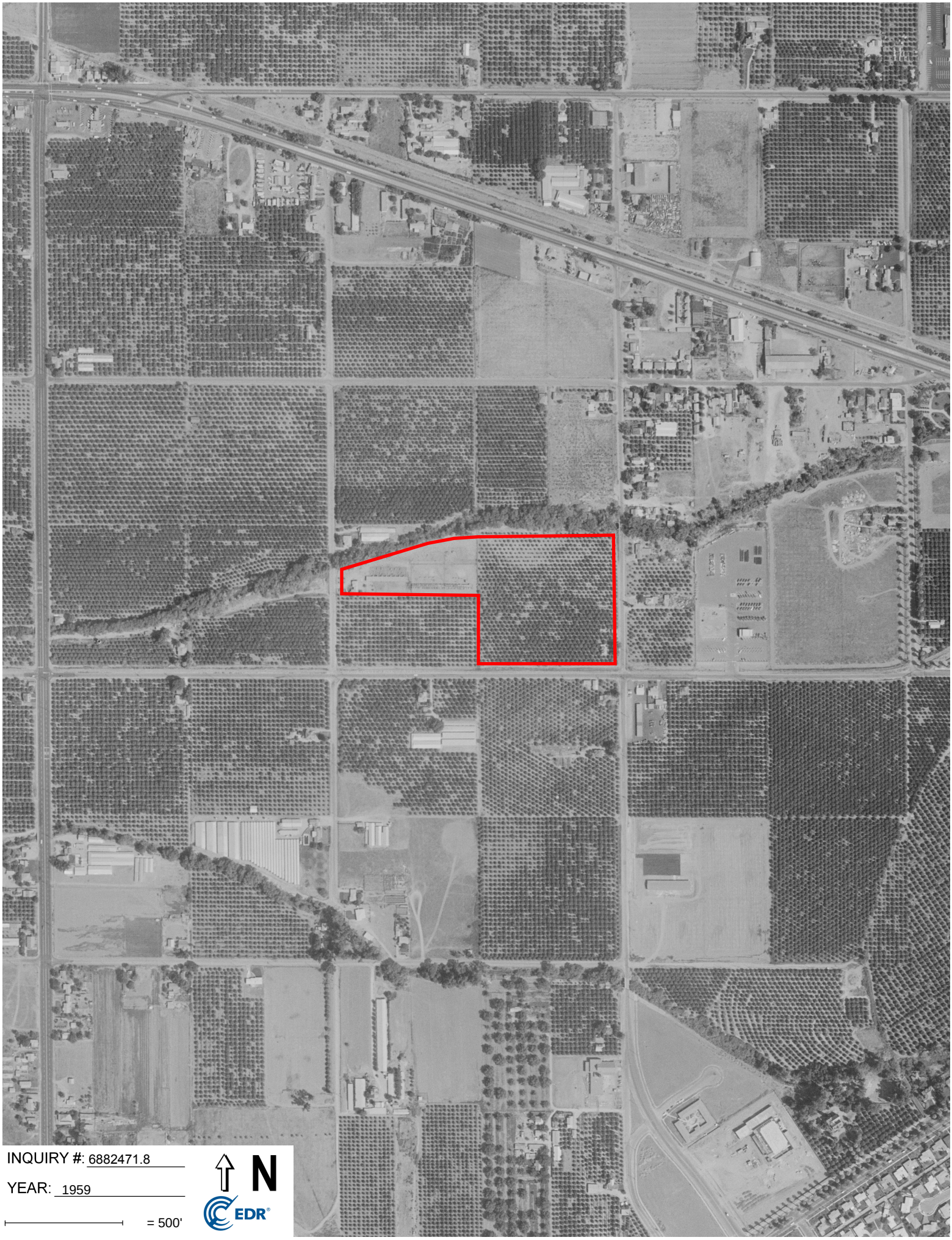
INQUIRY #: 6882471.8

YEAR: 1966

= 500'

N

EDR



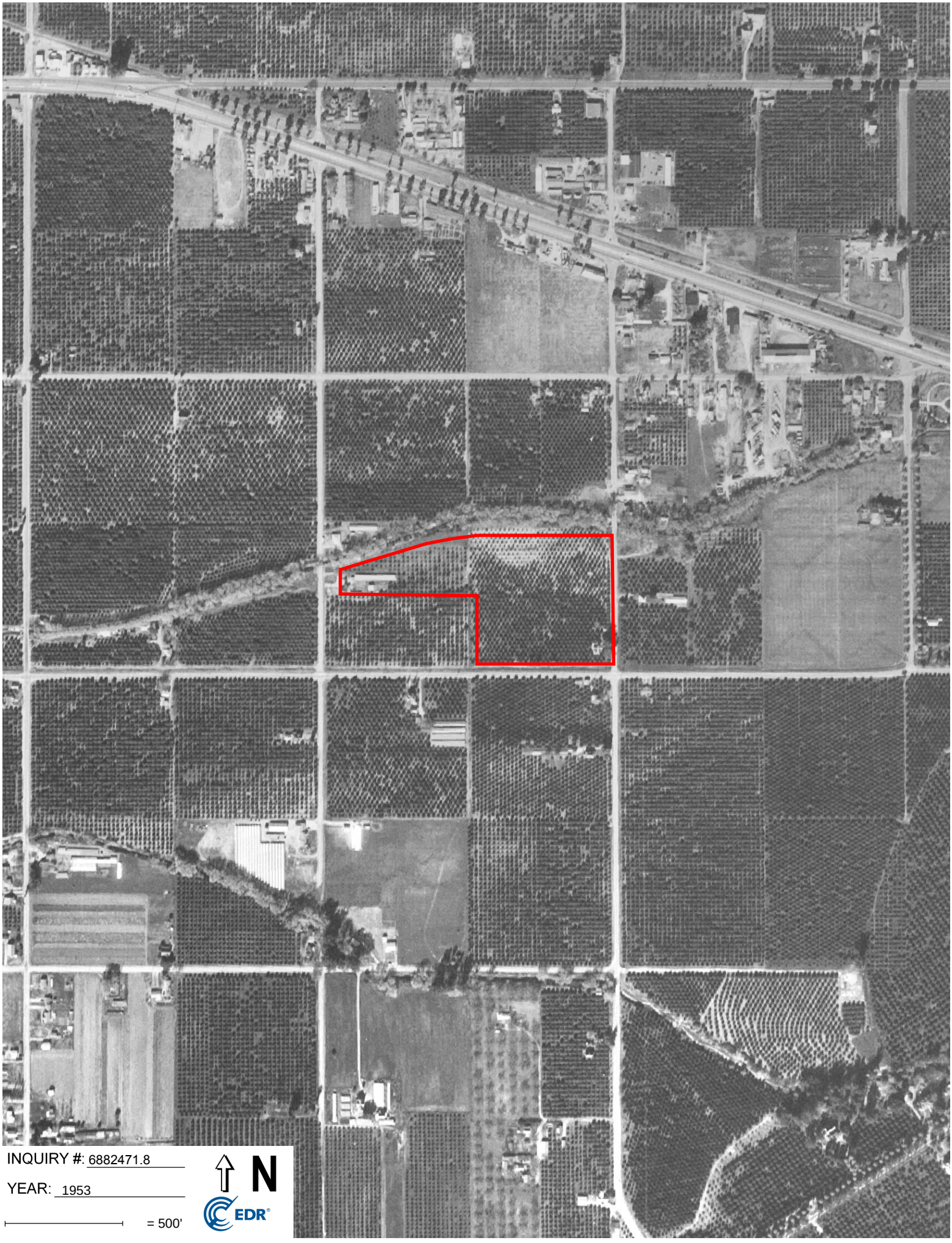
INQUIRY #: 6882471.8

YEAR: 1959

= 500'

N

EDR



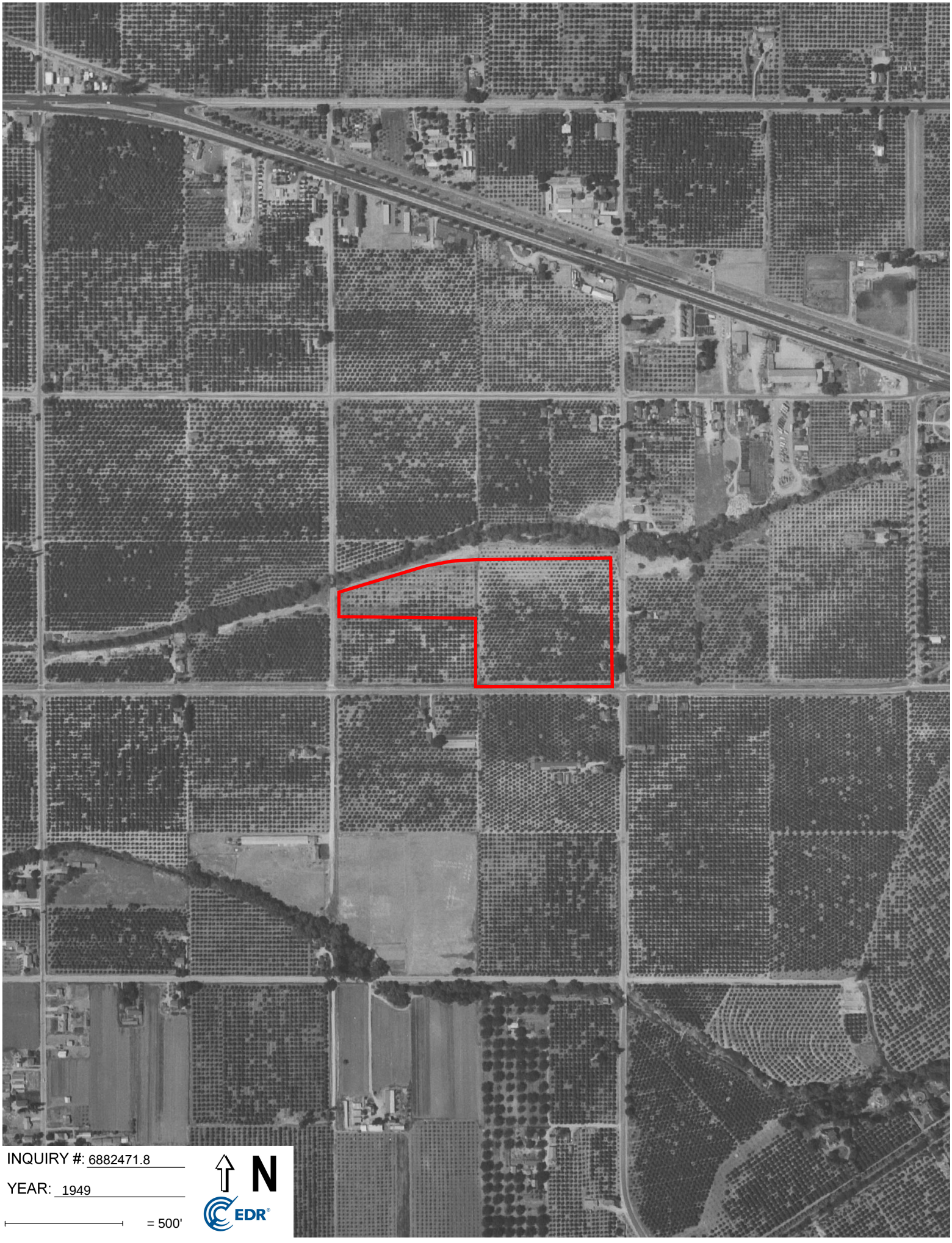
INQUIRY #: 6882471.8

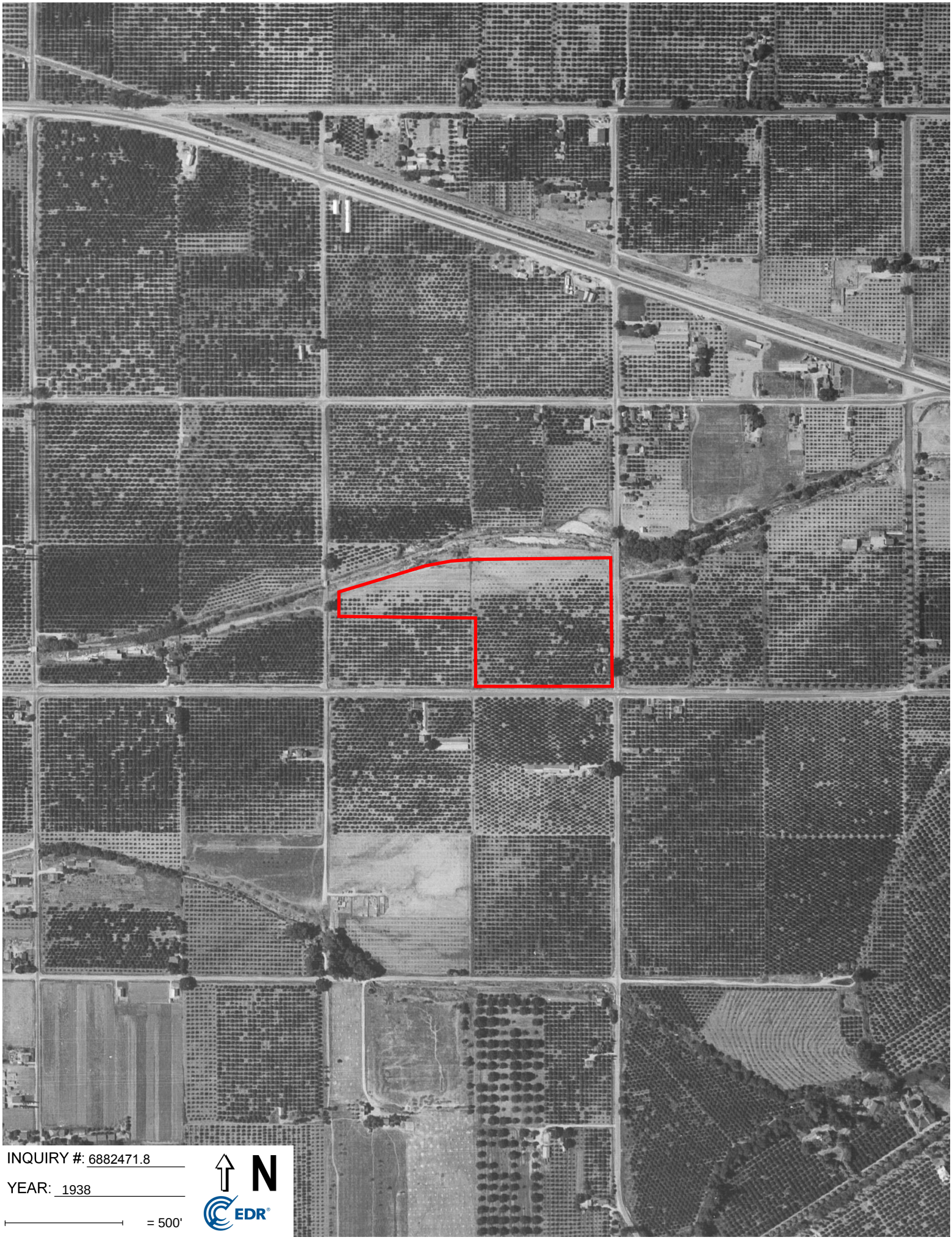
YEAR: 1953

= 500'

N

EDR


INQUIRY #: 6882471.8
YEAR: 1949
= 500'
N
EDR



INQUIRY #: 6882471.8

YEAR: 1938

= 500'

N

EDR



INQUIRY #: 6882471.8

YEAR: 1930

= 500'

N

EDR

APPENDIX D

EDR Certified Sanborn Report

Duke - Tennessee/Kansas

301 Tennessee Ave

Redlands, CA 92373

Inquiry Number: 6882471.3

March 03, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/03/22

Site Name:

Duke - Tennessee/Kansas
301 Tennessee Ave
Redlands, CA 92373
EDR Inquiry # 6882471.3

Client Name:

Roux Associates
5150 E Pacific Coast Highway
Long Beach, CA 90804
Contact: Justin Allen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Roux Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 7138-4E16-8DA8

PO # NA

Project Duke - Tennessee/Kansas

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 7138-4E16-8DA8

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

EDR City Directory Image Report

Duke - Tennessee/Kansas
301 Tennessee Ave
Redlands, CA 92373

Inquiry Number: 6882471.5
March 07, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1986	☑	☑	Haines Criss-Cross Directory
1980	☑	☑	Haines Criss-Cross Directory
1976	☑	☑	Haines Criss-Cross Directory
1971	☑	☑	Haines Criss-Cross Directory
1965	☑	☑	Luskey Brothers & Co. Publications

FINDINGS

TARGET PROPERTY STREET

301 Tennessee Ave
Redlands, CA 92373

Year	*CD Image*	*Source*
KANSAS ST		
2017	pg A1	EDR Digital Archive
2014	pg A12	EDR Digital Archive
2010	pg A22	EDR Digital Archive
2005	pg A29	EDR Digital Archive
2000	pg A39	EDR Digital Archive
1995	pg A48	EDR Digital Archive
1992	pg A55	EDR Digital Archive
1986	pg A61	Haines Criss-Cross Directory
1986	pg A62	Haines Criss-Cross Directory
1980	pg A67	Haines Criss-Cross Directory
1976	pg A72	Haines Criss-Cross Directory
1971	pg A78	Haines Criss-Cross Directory
1965	pg A85	Luskey Brothers & Co. Publications

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
TENNESSEE ST		
2017	pg. A2	EDR Digital Archive
2014	pg. A13	EDR Digital Archive
2010	pg. A23	EDR Digital Archive
2005	pg. A30	EDR Digital Archive
2000	pg. A40	EDR Digital Archive
1995	pg. A49	EDR Digital Archive
1992	pg. A56	EDR Digital Archive
1986	pg. A63	Haines Criss-Cross Directory
1986	pg. A64	Haines Criss-Cross Directory
1980	pg. A68	Haines Criss-Cross Directory
1976	pg. A73	Haines Criss-Cross Directory
1976	pg. A74	Haines Criss-Cross Directory
1971	pg. A79	Haines Criss-Cross Directory
1971	pg. A80	Haines Criss-Cross Directory
1965	pg. A86	Luskey Brothers & Co. Publications
1965	pg. A87	Luskey Brothers & Co. Publications
W PARK AVE		
2017	pg. A8	EDR Digital Archive
2014	pg. A19	EDR Digital Archive
2010	pg. A28	EDR Digital Archive
2005	pg. A36	EDR Digital Archive
2000	pg. A45	EDR Digital Archive
1995	pg. A53	EDR Digital Archive
1992	pg. A59	EDR Digital Archive
1986	pg. A65	Haines Criss-Cross Directory
1980	pg. A69	Haines Criss-Cross Directory
1976	pg. A75	Haines Criss-Cross Directory
1976	pg. A76	Haines Criss-Cross Directory

FINDINGS

Year	*CD Image*	*Source*
1971	pg. A81	Haines Criss-Cross Directory
1971	pg. A82	Haines Criss-Cross Directory
1965	pg. A88	Luskey Brothers & Co. Publications
1965	pg. A89	Luskey Brothers & Co. Publications

W STATE ST

2017	pg. A10	EDR Digital Archive
2014	pg. A20	EDR Digital Archive
2005	pg. A37	EDR Digital Archive
2000	pg. A46	EDR Digital Archive
1995	pg. A54	EDR Digital Archive
1992	pg. A60	EDR Digital Archive
1986	pg. A66	Haines Criss-Cross Directory
1980	pg. A70	Haines Criss-Cross Directory
1980	pg. A71	Haines Criss-Cross Directory
1976	pg. A77	Haines Criss-Cross Directory
1971	pg. A83	Haines Criss-Cross Directory
1971	pg. A84	Haines Criss-Cross Directory
1965	pg. A90	Luskey Brothers & Co. Publications

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2017

625	BOS, PHILLIP
	COX, EARL C
	DURANTE, LOUISE
	ELLISON, RUTHEMMA J
	MARKHAM, TERRY
	ORTIZ, ANTHONY
	PUNYOT, SOMNUEK N
	REKLAI, PAUL
	SEVERT, ROBERT E
	SIMS, LEONARD

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017

2	BRUNO, CHARLENE D
	DAVIS, DARIUS
	ROATH, BRIAN
	WILLIAMS, ROBIN E
6	DAMEWOOD, VICKI L
	KREITZER, MATTHEW
8	DAKE, THOMAS M
	GRAY, STEVEN
	HOPKINS, LARRY R
	SAMAYOA, STEVEN
11	ABALLI, DANAE A
	ABITIA, JOSEPH C
	ADAB, LEILA
	ALVARAEZ, SERVANDO
	ARREOLA, LUIS
	AYON, VALARIE E
	BAKER, GEORGE
	BAKER, MELISSA
	BELL, BRIAN
	BLACKWELL, DREW
	BOGH, JASON
	BROWNELL, CASSANDRA D
	BYERS, JILL L
	CABALDA, VIRGILIO
	CARCANO, ROBERT Q
	CARPER, STEVEN L
	CERQUETTINI, GINA M
	CERQUETTINI, JOSEPH
	CHAVARIN, ANA
	CORNEJO, LUAMY G
	CRAIN, CATHERINE
	CRUZ, MICHAEL A
	DAVIDSON, PIPER
	DAY, COLIN N
	DAY, KRISTINA
	DEGUILLEN, ROBERT
	DUNFEE, CHANTILLY M
	DUNLOP, NANETTE R
	ENGLISH, VANESSA J
	ENOPIA, M
	FORREST, HEATHER J
	FORTUNE, HEATHER
	GARCIA, LIMNDA
	GILL, NE
	GOINGS, HAROLD
	GONZALES, MELODY
	GRESHAM, LUCINDA
	HART, JASON E
	HORTON, ASHLEY
	HORTON, DANIEL R

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017 (Cont'd)

11 JACKSON, DEBRA E
JINKS, ERIK R
JOHNSON, SAMANTHA J
JOIMAE, GUBALANE
JUSTINE, B
KHALEGHI, S
KHAPTAB, ANWAR
LIN, YUSHIU
LITTRELL, HANNAH
LOWE, DAVID J
LUNA, LESLIE
MADGULKAR, JAIDEV V
MADISON, BRENDA
MARANGAKIS, JERI L
MARTINEZ, VIRGINIA
MARTING, E
MCKINSTRY, PATRICK
MEDINA, CHRISTOPHER M
MEJIA, NICOLE
MEYER, GARY L
NABHAN, CAMERON
NGO, JESSECA
NICELY, JOHN G
NICHOLS, SUSAN H
OMONIYI, ELIZABETH
PATTERSON, TAVAE L
PEREZ, MARIO A
PETTIT, DAVID B
POOLE, CARLOTTA N
RAMBING, IRA
RAMIREZ, RICARDO R
RAMIREZ, STEVE
RED OAK VILLAS
RIFFLE, TREVOR
RIZK, MOHAMED
ROBERTS, ABBY
ROMERO, ANDREA
ROSE, CATHRYN A
SALAS, KEVIN
SALISBURY, KELLIE A
SHAUGHNESSY, MARCELA
SHAW, CARINA
SINGLA, VIKAS
SWONKE, SCOTT
TAN, WEIQUAN
TORREY, DANIEL
VALLES, ANTHONY
VASQUEZ, SAMUEL
VILLAGOMEZ, ELVIRA
VIVIAN, PACHECO

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017 (Cont'd)

11	VO, JIM
	WATSON, ANNA
	WEALS, MICHAEL A
	WEEKLEY, JOHN
	WILEY, LINDA
	WRIGHT, AMBER M
	XIE, JINGXIAN
	YDARRA, RUDY
	YONTOSH, JONE
	ZHANG, MAN
12	CADENA, MICHAEL B
	SAMAYOA, LYNDA K
14	HOOVER, CHRIS
	PHIPPS, PATRICK
63	KANO, TOMA
75	BROOKSIDE FREE METHODIST CHURCH
85	ALLEN, BERNADETT
	BARNAT, MARIA
	GOTTA, STACI R
	LANDA, CRISTINA V
	SMITH, STEPHEN G
87	BAKER, NICKI A
	CHAKRAVARTHY, VIKRAM B
	CHANEY, BURT
	TIPTON, ALEXANDER M
89	HERRING, ANN
	HERRING, JOHNAND M
	JOHNSTON, TRACEY
	MAHNKE, KENNETH M
	MATTIE, REBEKAH S
	PARK-MIYASATO, LORETTA O
	WELDON, LESLIE A
91	BULEY, ROCHELLE R
	CLEGHORN, CHERYL A
	GREENE, WANDA J
	MANTILLA, ROLANDO
	MCKEEVER, RYAN
93	HILL, SHERRY L
	HUTAGAOL, HENDRIK
	TAN, RICKY
	WULFF, TODD R
95	BEISHLINE, MATTHEW F
	KARLAVAGE, ROBYN S
	LINN, DEBRA A
	MEACHAM, LESLIE J
	ROLLBERG, UDO H
97	GIMBEL, BRITTANY
	SANDERS, LISA R
100	ALMEIDA, THOMAS
	BICONDOVA, DAVID M

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017 (Cont'd)

100	BRANDSGARD, LILLIAN
	BROWN, KEVIN L
	BROWN, TERRY
	DAY, C H
	DEARTH, STEVE
	DELANEY, BRANDON
	DEMERITT, NANETTE L
	DIAZ, JOSEPH
	DRISKILL, JAMES W
	ECHEVERRIA, ISMAEL
	FLORES, DIEGO L
	FUSANO, DORIS E
	HALL, LANCE W
	HERNANDEZ, MARK L
	HOFFMAN, KRISTA
	HUFF, CARI A
	HUSTON, TIFFANY
	LARSON, KRISTER P
	LIDO PALMS APARTMENTS
	LIDO PALMS DEVELOPERS
	LITTELL, ADRIAN K
	LOEWY, CHRISTIAN
	LUCAS, TROY
	MARTINEZ, MOISES
	NEGRETE, ABRINA
	NEHF, JACQUELINE B
	NOERR, CAMERON D
	PETTIT, BRUCE L
	RUIZ, GIGI
	SLATEN, SELINA
	SMITH, ASHLEY E
	SMITH, CHRISTOPHER
	SMITH, DYLAN
	SOTELLO, ROD
	SPEARS, DOUGLAS R
	WILLIS, CORTNEY C
	YOUNAN, MAHA
105	ARROWHEAD CHRISTIAN ACADEMY
130	REDLANDS ADVENTIST ACADEMY
251	COMMUNITY CHRISTIAN COLLEGE
278	AAA ALARM SYSTEMS
	AFFORDABLE PARALEGAL SERVICES
	FALLBROOK ALARM
	INDEPENDENCE ASSISTANCE
	REDLANDS TRANSPORT INC
	TBM SERVICES INCORPORATED
294	INHERITANCE ARMS INC
298	CYBER TECH SYSTEMS
300	WESLEY RAY & SON INC
301	LAZBOY FURNITURE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017 (Cont'd)

412	COVENTRY PET RESORT & TRAINING CENTE
414	3H BUSINESS SERVICES INC
	ALBERTINE INSURANCE AGENCY
	BODYWORKS
	DEBORA HICKMAN DPT WCS
	DOUGLAS ENGINEERING
	DUTCH GIRL CLEANERS & LAUNDRY
	EMERALD REAL ESTATE
	INTERNATIONAL PRODUCTIVITY SOLUTIONS
	KINSHIP CENTER
	ONE ON ONE TUTORING
	SMILE BRIGHT DENTAL
	THE LAST TANGLE
	ULTIMATE KICKBOXING & FITNESS
	WEST COAST WINDOW CLEANING
415	CYCLERY USA
	FARMERS INSURANCE
	HARVEY, L
	INTERNATIONAL BROTHERHOOD OF ELECTRI
	J & L DAYCARE CENTERS
	PAUL H LEE INSURANCE AGENCY
	PLAN TECH INC
	SELAH CHRISTIAN STORE
446	MG TRANMISSION PHX
450	CALIFORNIA RIDER
460	G & G SMOG ONLY
461	A & D TAILORING
	BEST LITTLE BARBER SHOP IN REDLANDS
	EASTERN CLASSIC THAI RESTAURANT
	HAIRDRESSERS
	HOCKRIDGE FLORIST
	HOME INSTEAD SENIOR CARE
	ISLAND TANNING
	J & L DAYCARE
	MOONGLOW BEADS
	PAINTED LADY QUILT SHOP
	PORCELYNNES FABRIC BOUT
520	WOOD, DANICA
611	EXCEL AUTOMOTIVE
615	MICHELLES
619	TENNESSEE GARDEN
620	BURGESONS HEATING & AIR CONDITIONIN
716	ROYAL MARKET
720	MID EASTERN BAKERY
724	AARON FUNK & BRENT BANNS TATTOO REVO
732	REDLANDS CIGAR
758	FOSTERS DONUTS
762	MOBIL
766	SUBWAY
770	PAPA JOHNS MAIN NUMBER

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2017 (Cont'd)

770 PAPA JOHNS PIZZA
1180 MATTS EXPRESS CAR WASH

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2017

1083	BRONCS TOWING
1125	ALPINE SHUTTER CRAFT
1143	ANDERSON ENTERPRISES
	REDLANDS TOWING
1165	ANDERSON, HAROLD W
1166	BRAGA, JEAN
1174	DOUCETT, PALMER L
1195	SIMPLY TOYOTA
1198	CORBIN, ARTHUR L
1270	REDLANDS POLICE DEPARTMENT
1351	COPIER SOURCE INC
	JDA GLOBAL LLC
	MIKES CUSTOM FLOORING
1425	RP WAGES INC
	SAN MANUEL
	SAN MANUEL BAND OF MISSION INDIANS I
1445	BUDDY SCHWIMMERS DANCE CENTER
1455	REDLANDS SPINE & SPORT
1475	KISINGER ACCOUNTANCY
1495	MILLENNIUM METAL FABRICATING
1547	REDLANDS ANTIQUE AUCTION
1551	GARYS AUTO SALES
1712	BARBARA PHELPS COMMUNITY DAY SCHOOL
1717	LAYNE CHRISTENSEN COMPANY
	SEVEN UP ROYAL CROWN
1776	ICF INTERNATIONAL INC
	JONES & STOKES ASSOCIATES INC
	MCINTYRE LAW GROUP
	OLIVEIRA SECURITIES INC
1790	SILAGI DEVELOPMENT & MANAGEMENT INC
1911	LLU PATHOLOGY MEDICAL GROUP
1920	REDLANDS TRUCK & RV
1921	WHOLESOME INTERNATIONAL INC
1930	FAINBARG IV LP
1931	COLONY PRODUCTS
1939	HANGAR 24 CRAFT DISTRIBUTION
1940	PHTV INC
	PRECISION HERMETIC
1941	HANGAR 24 CRAFT DISTRIBUTION
	J M BUILDERS INC
1950	GORMAN LEARNING CENTER
1991	TRIMFLEX GENERAL TRIM INC
2011	DE YOUNG POWER SYSTEMS
2015	ABI ATTORNEYS SERVICE
	ABI DSS
	LINCARE
	MENDOZA, CARROLL
	PRIORITY MAILING SYSTEMS INC
	PRIORITY ONE CREDIT UNION
2025	HUCKINS, JAMIE L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2017 (Cont'd)

2025	JJJ MARKETING
	NORTH AMERICAN HEATING & AIR CONDITI
2030	PRUETTS PRECISION ALIGNMENT
2035	DRACO
	GROVES
	METAL FORM ENGINEERING
	SIMPLER LIFE EMERGENCY
2038	KELLY ALLEN & ASSOCIATES
	LOW COST INTERLOCK

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 2017

805	LORENZANO, JUAN E
811	STITZINGER, MARK A
850	JACOBSTEIN, THOMAS S
	KENNEDY, TOM L
900	TRIVETT, BOBBY R
901	BAUTISTA, RODOLFO
902	HILTSCHER, JAMES T
905	COLEMAN, EBON B
907	PACE, JANSON L
909	FORD-BRUNNER, CARLA R
911	NGUYEN, KIM T
915	LUSHINSKY, GERTE
917	AUSTIN, MICHA W
919	POLONSKI-LINCOLN, PRISCILLA L
923	CARLSON, ROBERT H
1011	BROWN, RICHARD C
	CARDOZA, CHERYL A
	RICHARDSON, JENNIFER D
	SANTOYO, E
	YZAGUIRRE, MARIA C
1075	AHRENS, JOHN R
	BELMONTEZ, ANGEL A
	BROOKS, LINDA A
	CARRENO, ROSARIO M
	CATALINE, ASHLEY M
	CHANURE, LILIA S
	CISNEROS, MARIO J
	CONNELLY, ALICE A
	DHANASEKARAN, POONGKUZHALI
	FRANKLIN, JOHN T
	GUTIERREZ, DAVID
	JASTER, SONJA A
	KRYSTAL, NELO
	LAMAS, ROXANNE E
	LAVO, GLORIA
	LAYNE, HOWARD M
	MARTIN, VINCENT A
	MAXWELL, JACOB
	MCCOY, JUSTIN
	MITCHUM, KAYLA
	MOYEDA, VERONICA
	MUNCIE, JOLIE
	MUNYAO, JOSEPH
	QUITTMEYER, DAWNA J
	REDLANDS APARTMENTS
	REYES, JESSICA
	ROCHA, IRMA
	RULE, CHARLES L
	SERAN, MAJUNU
	SISK, BRANDE K

1075	SMITH, NEIL
	SOTO, DAISY
	SPLINKER-FERNANDEZ, SUSANA
	STILLINGS, CORY
	SUSANA, S
	VADDEPALLY, HARIPRASAD
	VISWANATHAN, BALAJI
	WALLACE, AL
	WALLACE, RAHMAN
	WICHERT, LUKE
	WILLIAMS, JAMES
	WILLIAMSON, STEVEN
1189	OUTBACK PHYSIOTHERAPY CENTRE
1411	FIVE TEN
1419	FIVE TEN
	NEXT LEVEL DOOR & MILLWORK INC
1423	PENCE CONSTRUCTION INC
	SKY MOUNTAIN CHARTER SCHOOL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2014

625 CRUZ, ILDEFONSO
PINON, JOSHUA C
PUNYOT, SOMNUEK N
REISS, DREW V

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014

2	COSTON, TUCKER
	GOTT, SHANNON C
	JOHLMAN, STACEY E
	ROATH, BRIAN
6	KREITZER, MATTHEW
	MELIKIAN, GEORGE T
	PHILLIPS, SHERESE M
8	CUTLER, P
	GRAY, RAYMOND W
	HOPKINS, LARRY R
	RODRIGUEZ, RICARDO
	SACHS, JENNIFER
	SAMAYOA, STEVEN
10	OCCUPANT UNKNOWN,
11	ALTINGAS, ELISABETH
	ARCHIBALD, TRENTON
	ARMSTER, RENEE M
	ASHMORE, DONALD G
	AVILA, ADELITA
	BARBA, RIGOBERTO
	BATTAGLIA, AMY R
	BEST, PHILLIP Q
	BETZLER, AMBER L
	BHATTARAI, SMITA
	BLANKENBECKLER, JUSTINE
	BREW, SALLY
	BROWN, STEPHANIE
	BRUINS, KATHERINE
	BRUNNER, RALPH E
	BUGBY, MIKE J
	BUSHA, CHERYL L
	BUTRYN, KENDRA
	CABALDA, VIRGILIO
	CAMBRONERO, IVANHIA
	CARCANO, ROBERT Q
	CLARK, DANIELLE N
	DANIELS, MOLLY A
	DAVIS, CHER A
	DAY, KRISTINA
	DESMET, GREG
	DIETRICH, JOHN K
	DIJKSTRA, JUUL H
	DOHERTY, PAUL
	DORSEY, THOMAS R
	DUNFEE, CHANTILLY M
	DUNN, KATHLEEN A
	EARNHART, FREDRICK
	ENGLISH, VANESSA J
	FELIPE, VILLALOBOS
	FORD, HERMAN V

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014 (Cont'd)

11

FORREST, HEATHER J
GALICIA, GILBERT
GILL, NE
GREER, NEIL A
GRESHAM, LUCINDA
GROSS, JENNIFER
GRULLON, LUIS
GUEVARRA, ANTHONY R
HATFIELD, CRISTA
HAYNES, KENNETH
HEFNAWY, MONA E
IRIZARRY, WILLIAM
JIMENEZ, RONY
JINKS, ERIK R
JONES, KS
KILIC, HELENA
KOCH, JEFFREY M
LANG, AIMEE
LEDBETTER, FREDERICK V
LIGHTFOOT, MICHELLE A
LONG, ORA L
MA, YIWEI
MADGULKAR, JAIDEV V
MARTING, E
MEJIA, NICOLE
MEYER, GARY L
MILLER, PIPER
MORGAN, PATRICIA L
NESBITT, JACKIE M
NICELY, ANDREW D
NICHOLS, DAVID
PACHECO, JOSEPH M
PALAAD, KENNETH
PARKER, AARON B
PEREZ, MARIO A
POOLE, CARLOTTA N
PUGLIESE, SILVINA B
RAMIREZ, RICARDO R
RAMOS, HECTOR A
RANDA, STEFANIE Y
RED OAK VILLAS
REDLANDS HUMANE SOCIETY
RIZERA, MYRNA
ROBERTS, TANNER C
ROETHLE, RICHARD
RUSSELL, M D
SALAZAR, CLAUDIA
SALISBURY, KELLIE A
SEGURA, ASHLEY
SHILA, LEILANIE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014 (Cont'd)

11	SMITH, JEFF
	SMITH, LINDA L
	SOLIS, BRYAN
	STALLINGS, MELISSA
	STOFFEL, JEFF
	SWONKE, SCOTT
	TAURAN, ROGER M
	TREJO, SYLVIA H
	WARE, JANELL
	WAREHAM, LAUREN
	WENTZELL, TASIA
	WILLMING, AARON
	WINGATE, ERVAN H
	WRIGHT, AMBER M
	XIE, JINGXIAN
	YOUNG, BERT W
	YOUNG, JENNIFER
	ZAMORA, AURELIA
12	JOSHUA, JANELLE N
	SAMAYOA, LYNDA K
	TORRES, JEREMY
63	EDSEL, CANDACE C
75	BROOKSIDE FREE METHODIST CHURCH
85	BARNAT, MARIA
	GOTTA, STACI R
	GUY, CHANTEIL L
	NADEAU, J
	SMITH, STEPHEN G
87	BAKER, NICKI A
	CHU, DEREK C
	ROMO, D
89	DAVIS, KELLI S
	DAY, SUSAN
	HALE, MELISSA N
	LAWSON, KEVIN L
	PARK-MIYASATO, LORETTA E
91	CLEGHORN, CHERYL A
	DAVIDSON, KYLE
	GREENE, WANDA J
	LAACK, CHRISTIAN V
	MCKEEVER, RYAN
	SMITH, JENNIFER M
93	HILL, SHERRY L
	JANSSEN, MEIKE L
	LUKE, HAROLD P
	WULFF, TODD R
95	BEISHLINE, MATTHEW F
	CHU, CURTIS B
	KARLAVAGE, ROBYN S
	MACAYA, GLENN C

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014 (Cont'd)

95	MEACHAM, LESLIE J
97	ERVIN, TYRONE
	WASBOTTEN, MICHAEL J
100	ALMEIDA, THOMAS
	BENNETT, RYAN
	BROWN, KEVIN L
	CLARK, DAVID
	DEMERITT, NANETTE L
	DOSS, JACK
	EVANS, MARION
	FLORES, DIEGO L
	FLORES, SAMANTHA J
	GUILFOYLE, GARY L
	HALL, LANCE
	HUSTON, TIFFANY
	LACEY, MARSHA E
	LIDO PALMS APARTMENTS
	LITTELL, LARRY J
	MORENO, CLAUDIA P
	MUHLENKAMP, EDWARD
	NEHF, JACQUELINE B
	PETTIT, BRUCE L
	RENEER, ELMO F
	RINCON, RAMON
	ROCH, TRACY
	SANTOSO, MAITRY W
	SMITH, CHRISTOPHER
	SOTELLO, ROD
	SOTO, FERNANDO
	WILLIS, CORTNEY C
	WILSON, MEGAN
251	COMMUNITY CHRISTIAN COLLEGE
278	AAA ALARM SYSTEMS
	AFFORDABLE PARALEGAL SERVICES
	INDEPENDENCE ASSISTANCE
	REDLANDS TRANSPORT INC
	TBM SERVICES INCORPORATED
298	CYBER TECH SYSTEMS
300	RAY WESLEY & SON INC
301	LAZBOY FURNITURE
412	COVENTRY PET RESORT & TRAINING CENTE
	OBRIENS PET LODGING
414	ALBERTINE INSURANCE AGENCY
	AMERIHEALTH HOSPICE PROVIDER
	AMSWOP
	ARROYO SKIN CARE INSTITUTE
	BALANCE FOR LIFE INSURANCE
	BRIGHT SKY HOSPICE
	COMFORCARE HOME CARE
	DEBORA HICKMAN DPT WCS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014 (Cont'd)

414	DOUGLAS ENGINEERING
	DUTCH GIRL CLEANERS & LAUNDRY
	FUNCTION ABILITY PHYSICAL THERAPY
	INTERNATIONAL PRODUCTIVITY SOLUTIONS
	KINSHIP CENTER
	NURSEFINDERS
	ONE ON ONE TUTORING
	REDLANDS FAMILY WELLNESS CEN
	REDLANDS VECTOR MARKETING
	ROSINAS BEAUTY & WELLNESS CENTER
	SMILE BRIGHT DENTAL
	THE LAST TANGLE
	ULTIMATE KICKBOXING & FITNESS
415	CYCLERY USA
	DALLASWHITE CORPORATION
	DOUGLASS CHRISTIAN MUSIC
	FARMERS INSURANCE GROUP
	J & L DAYCARE CENTERS
	LIGHT JAMES A
	PAUL H LEE INSURANCE AGENCY
	PIP PRINTING & MARKETING SERVICES
	PLAN TECH INC
	REDLANDS BICYCLE CLASSIC
	REDLANDS CYCLERY USA
	SELAH CHRISTIAN BOOK STORE
	SOUNDTHEOLOGY
446	MG TRANMISSION PHX
448	TALON SERVICES INC
450	CALIFORNIA RIDER
460	G & G SMOG ONLY
461	A & D TAILORING
	A FORMAL AFFAIRE
	BEST LITTLE BARBER SHOP IN REDLANDS
	EASTERN CLASSIC THAI RESTAURANT
	HAIRDRESSERS
	ISLAND TANNING
	J & L DAYCARE
	MOONGLOW BEADS
	OFLANARYS EMPORIUM
	PAINTED LADY QUILT SHOP
	SOLALITE
504	RIVERA, STACY A
520	WOOD, DANICA
610	PRO INSULATION INC
611	EXCEL AUTOMOTIVE
615	MICHELLES
	OCCUPANT UNKNOWN,
619	REDLAND FLORIST
	REDLANDS TENNESSEE FLORIST
	TENNESSEE GARDEN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2014 (Cont'd)

620	BURGESONS HEATING & AIR CONDITIONIN
	BURGESONS HTG & AC INC
716	ROYAL MARKET
724	AARON FUNK & BRENT BANNS TATTOO REVO
	TATTOO REVOLUTION
732	REDLANDS CIGAR
736	THE ADULT SHOP
758	FOSTERS DONUTS
762	PACIFIC WIRELESS DBA BOOST MOBIL
766	SUBWAY SANDWICHES
770	PAPA JOHNS PIZZA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2014

1083	BRONCS TOWING
1105	ELITE STONE INC
1113	LAZBOY FURNITURE
1125	ALPINE SHUTTER CRAFT
	J F & S DISTRIBUTING CO
	JAS DEAN COMPANY THE
1143	L & L TOWING
	REDLANDS TOWING
1165	ANDERSON, HAROLD W
1166	BRAGA, JEAN
1174	BRAGA, FRANK
1175	OCCUPANT UNKNOWN,
1182	OCCUPANT UNKNOWN,
1195	SIMPLY TOYOTA
1198	CORBIN, ARTHUR L
1270	REDLANDS POLICE DEPT
1351	CUSTOM MATERIAL SALES
	JDA GLOBAL LLC
	KITCHEN IDEA
	MIKES CUSTOM FLOORING
1425	RP WAGES INC
	SAN MANUEL BAND OF MISSION INDIANS I
1445	BUDDY SCHWIMMERS DANCE CENTER
1455	HIGGINSON & CARTOZIAN
1475	KISINGER ACCOUNTANCY
1495	MILLENNIUM METAL FABRICATING
1505	NURAY METALS OF CALIFORN
1547	REDLANDS ANTIQUE AUCTION
1551	GARYS AUTO SALES
1702	OCCUPANT UNKNOWN,
1712	BARBARA PHELPS COMMUNITY DAY SCHOOL
1717	GONZALES & SONS
	LAYNE CHRISTENSEN COMPANY
	SEVEN UP ROYAL CROWN
1776	EDWARD JONES FINANCIAL ADVISOR SH
	ICF INTERNATIONAL INC
	JONES & STOKES
	JONES & STOKES ASSOCIATES INC
	MCINTYRE LAW GROUP
	PRICE SHAWN
	PRICE, SHAWN
1790	SILAGI DEVELOPMENT & MANAGEMENT INC
1911	LLU PATHOLOGY MEDICAL GROUP

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 2014

805	HERRERA, SEBASTIANA
811	OCCUPANT UNKNOWN,
813	NELSON, ROBERT D
850	JAMES, DEBRA
900	ROBERTS, RAND E
901	MORITZ, BRANDON O
902	FLOYD, HOWARD P
907	PASZTERNAK, BARBARA J
909	FORD-BRUNNER, CARLA
910	ALTIZIO, KENDAHL
911	NGUYEN, THUY
913	TEGELS, ALEXANDRA L
915	LUSHINSKY, GERTE
917	MORTENSEN, GUY W
919	POLONSKI-LINCOLN, PRISCILLA L
921	BROWNING, PATRICIA J
923	CARLSON, ROBERT H
932	GRANADOS, ABRAHAM
955	PIMLOTT, TV
1011	CENTENO, STEPHANIE
	DRAPER, MARGARET
	FAUST, JOY
	JACKSON, RACHEL R
	SILVA, ANTONIA
	WEBB, REGINALD A
	YZAGUIRRE, MARIA C
1075	ALSTON, ANGELA M
	ARRIOLA, SUBRINA
	BELMONTEZ, ANGEL A
	CHANURE, LILIA S
	CHINTAPALLI, RAMA
	COLLINS, P
	COLLINS, SEAN M
	COYLE, KRISTI R
	FRANKLIN, JOHN T
	GORDON, LAURIE
	GUILLEN, ALBERTO A
	GUTIERREZ, DAVID
	HILL, CHRISTOPHER A
	JAMES, CHRISTINE M
	JEFFERSON, GINA A
	JONES, TIFFANY
	LAVO, GLORIA
	LAYNE, HOWARD M
	MCCOY, SHELLIE K
	MOYEDA, VERONICA
	NAGI, PARUL
	OCAMPO, FRANCISCA R
	QUITTMEYER, DAWNA J
	RAJA, MONOJ

W STATE ST 2014 (Cont'd)

1075	REAMS, LAURIE A
	REDLANDS APARTMENTS
	ROCHA, IRMA
	RUIZ, JUDY A
	RULE, CHARLES L
	SAHGAL, SIDDHARTH
	SMITH, JAMES L
	SPLINKER-FERNANDEZ, SUSANA
	SZYPUSZ, CONNIE
	TAURAN, SHIRLEY
	VAULT, KALISHA K
	VIVEKANANDAN, SAISUDHA
	WALLACE, AL
	WESTBROOK, ANGELA A
	WILLIAMS, MARIANNE
1189	OUTBACK PHYSIOTHERAPY CENTRE
1419	FIVE TEN
1423	LASER TEC
	PENCE CONSTRUCTION INC
	SKY MOUNTAIN CHARTER SCHOOL
	STOCKTON ENTERPRISES INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2010

625	BORING, JENNIFER CRUZ, ILDEFONSO MITCHELL, CHARLES PUNYOT, SOMNUEK SALAZAR, ROSALINDA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2010

2	BRINK, KAREN
	BRUNO, CHARLENE D
	HEINOLD, STEVEN
6	MELIKIAN, GEORGE T
8	GRAY, LYNDA K
	GRAY, RAYMOND W
	HOPKINS, LARRY R
10	OCCUPANT UNKNOWN,
11	ALTENAU, MYRA M
	ALVARADO, NINA
	ARZOLA, MARY A
	BANUELOS, VASTI
	BARTON, EMILIA
	BEVIS, MCIKEY P
	BOGH, JASON
	BOSTROM, RON
	BROOK, GARI
	BRUINS, KATHERINE
	BRUNNER, RALPH E
	BUGBY, MIKE
	CAMPBELL, SHARON E
	CAULFIELD, TOM L
	COMPARAN, MANUEL
	CORLEY, DOUGLAS M
	CRANE, LOUIS J
	CROMER, WILL
	CUEVAS, ROGER V
	DAVIS, CHER A
	DESMET, GREG
	FAKHERI, PEDRAM
	FORREST, HEATHER J
	FORTNEY, JENNIFER R
	FRY, DAVID
	GALINDO, FAVRICIO
	GALVAN, MELISSA
	GONZALES, JOSEPH
	GONZALEZ, MELISSA
	GRAHAM, ELIZABETH M
	HENSON, JENNIFER S
	HOBBS, ERIN L
	ISHII, TINA
	KANNDY, WENSWORTH
	KELLIE, BRASWELL L
	KRABILL, RICHARD E
	LALEZARZADEH, FARIBORZ
	LANG, AIMEE
	LEACH, PORSCHE
	LOPEZ, EDWIN F
	MANDEY, SUMMER
	MATTHEWS, L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2010 (Cont'd)

11	MCDONNAL, BRANDI
	MILLER, PIPER
	MIOC, MATTHEW
	MORTSON, GEOFFREY A
	NESBITT, JACKIE M
	ONO, KIMBERLY
	ORAM, SHARON L
	PALEN, JEREMY D
	PIRES, DEDRA
	POULIN, GARY E
	POWELL, BENJAMIN
	RAVENSCROFT, DESHANNA
	RED OAK VILLAS
	REYES, BIANCA
	REYES, RICO
	ROETHLE, RICHARD
	ROSA, SIERRA
	ROSE, VANESSA
	SCHIFFBAUER, MICHAEL A
	SHAW, CARINA
	SHEPARD, MARK R
	SMITH, BRYCE R
	TAYLOR, RYAN
	THOMAS, TOM R
	THOMPSON, BEN M
	VILLA, JOSE M
	VILLALVA, NATASHA
	WRIGHT, AMBER M
	XIE, JINGXIAN
	YOUNG, RONALD L
	ZIEPKE, MELISSAA
12	CLARK, DONNA L
	JOHNS, CAROLYN R
	JOSHUA, JANELLE N
14	MIZE, DOUGLAS A
75	BROOKSIDE FREE METHODIST CHR
85	BARNAT, MARIA
	DEHART, SHEILA
	GERRICK, J
	HADNOT, BENNARD
	JENSON, C D
	MOODIE, RENALDO R
	SMITH, STEPHEN G
87	BAKER, CLIFTON
	CERVANTES, LESLIE
	NEWELL, LEROY
89	CRISOSTOMO, DULCE Y
	DAVIS, KELLI S
	MAYNES, LINCOLN J
	WELDON, LESLIE A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2010 (Cont'd)

91	GREENE, WANDA J
	HANSON, JEAN M
	HOEHN, BRIAN
	MCKEEVER, REBECCA A
	OEI, JIMMY B
93	ACERES, CLAYTON U
	CERVANTES, DAVID M
	GRIER, DONNA J
	HILL, SHERRY L
	JANSSEN, MEIKE L
	STUBBS, NANCY G
95	BEAN, ERIC A
	CHU, PEK S
	COOK, MARJORIE L
	DEHART, BARBIE P
	MACAYA, GLENN C
	MEACHAM, LESLIE J
	STOREY, KAREN L
97	LINDSAY, MELANIE
	WASBOTTEN, MICHAEL J
100	AGURTO, ANA M
	BROWN, DEBORAH A
	CALENDER, DARWIN
	COTARELL, HAYLEY
	COVER, MARSH
	DAVIS, IRENE L
	DAY, C
	DEMERITT, NANETTE L
	DRISKILL, JAMES W
	EDENHOFER, DANIEL J
	FINN, MARYANN A
	FLORES, DIEGO L
	FLORES, SAMANTHA
	FUSANO, DORIS E
	GONZALEZ, CHRISTY
	HALL, LANCE
	HUSTON, TIFFANY
	LIDO PALMS APARTMENTS
	MCCORKLE, JANET L
	MULVIHILL, BETSY M
	RENEER, ELMO
	SANTOSO, MAITRY W
	SCHRADER, RUTH
	SOHN, SANG Y
	SOTELLO, ROD
	SOTO, FERNANDO
	STEWARD, BRANDON
	VASQUEZ, ROSE M
105	ARROWHEAD CHRISTIAN ACADEMY
130	REDLANDS JUNIOR ACADEMY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2010 (Cont'd)

251	COMMUNITY CHRISTIAN COLLEGE
278	INDEPENDENCE ASSISTANCE
	TBM SVC INC
288	SCE REDLANDS GARAGE
290	OUR PLACE
300	RAY WESLEY & SON INC
412	COVENTRY PET RESORT & TRAINING
414	3 H BUSINESS SVC INC
	ALBERTINE INSURANCE
	ARROYO SKIN CARE INSTITUTE
	BALANCE FOR LIFE INSURANCE SVC
	CARING TOUCH DENTAL
	DOUGLAS ENGINEERING
	DUTCH GIRL CLEANERS & LAUNDRY
	ELECTROLYSIS BY GAYLEEN
	EMERALD REAL ESTATE
	ETHOS HOUSE OF PRAYER MINISTRY
	FUNCTION ABILITY PHYSICAL
	INTL PRODUCTIVITY SOLUTIONS
	KINGS GATE COMMUNITY CHURCH
	KINSHIP CENTER
	LAST TANGLE
	NAIL BOX
	NURSEFINDERS
	ONE ON ONE TUTORING
	PARADISE DENTAL
	ROSINAS BEAUTY & WELLNESS CTR
	SHILOH CHRISTIAN CTR
	ULTIMATE KICKBOXING & FITNESS
	X CELL LAB INC
415	J & L DAYCARE CTR
	JIM LIGHT INSURANCE
	PAUL H LEE INSURANCE
	PIP PRINTING
	PLAN TECH INC
	REDLANDS BICYCLE CLASSIC
	REDLANDS CYCLERY USA
	SELAH CHRISTIAN BOOK STORE
	SOUNDTHEOLOGY
	UPHOLSTERY IN MOTION
448	MC GAVIN GARY
450	CALIFORNIA RIDER
452	SIMPLY TOYOTA
460	G & G SMOG ONLY
461	A & D TAILORING
	A FORMAL AFFAIRE
	BEST LITTLE BARBER SHOP
	CALI CLOTHING OUTLET
	CALICO HORSE
	CURVES

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2010 (Cont'd)

461	EASTERN CLASSIC THAI RSTRNT
	ELEANOR RIGBYS GIFT CO
	HAIRDRESSERS
	INLAND EMPIRE NULITE INC
	ISLAND TANNING
	J & L DAYCARE
	REDLANDS VENDING
504	RIVERA, STACY A
516	OCCUPANT UNKNOWN,
520	OCCUPANT UNKNOWN,
	PRIMERICA FINANCIAL SVC
610	WENDYS VINTAGE AUTO RSTRTN
611	AUTOMOTIVE TECHNOLOGY
615	MICHELLES
	OCCUPANT UNKNOWN,
619	REDLAND FLORIST
	TENNESSEE GARDEN
716	ROYAL MARKET
	SOUTH CALIFORNIA FURNITURE
720	CRYSTAL CLEANERS
724	FUNK & BANNS TATTOO REVOLUTION
736	ADULT SHOP
758	FOSTERS DONUTS
762	THUNDER INSURANCE SVC
766	SUBWAY
770	PAPA JOHNS PIZZA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2010

1001 BENJARONG THAI CUISINE
1005 OCCUPANT UNKNOWN,
1076 HAYES INDUSTRIES
1083 BRONCS TOWING
1107 STEWART RACE PREP
1113 CURTIS CUSTOM BUILDERS
1125 ALPINE SHUTTER CRAFT
J F & S DISTRIBUTING CO
1143 L & L TOWING
REDLANDS TOWING
1165 ANDERSON, HAROLD W
WILMS KART & MINIBIKE SHOP
1166 BRAGA, FRANK J
1182 GOLEMBIEWSKI, JAMES J
PARALLEL MUSIC
1195 RED IE SMOG
1198 CORBIN, ARTHUR L
1270 REDLANDS EQUIPMENT MNTNC
REDLANDS PURCHASING DEPT
1362 ASHTON, BRITTNEY
1425 CH & E INVESTMENTS
R P WAGES INC
1445 OFF PARK AVENUE
1455 HIGGINSON & CARTOZIAN
1475 INFOSEND INC
1505 NU RAY METALS OF CALIFORNIA
1547 REDLANDS ANTIQUE AUCTION
1551 GARYS AUTO SALES
1702 GARCIA, CLAUDE
1717 SEVENUP BOTTLING CO
1776 EDWARD JONES
ICF JONES & STOKES
MC INTYRE LAW GROUP
MCINTYRE, LAW
1782 935 THE FLO
1920 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2005

625 CRUZ, ROSA A
REKLAI, PAUL
STEEN, SHAMIKA
WARREN, NEIL J

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2005

1	MARINO, DEWEY
2	BRUNO, CHARLENE D
	GOSS, JAMES F
8	GRAY, RAYMOND W
	HOPKINS, LARRY R
11	ADAMS, SAMANTHA
	AHN, HO K
	ANDERSON, JEREMY J
	BACHAR, WENDY
	BELZMAN, DARYL J
	BIPOLAR CLOTHING INDUSTRIES
	BROOK, GARI
	BRUNNER, RALPH
	BUGBY, MIKE
	BURNS, JAIME P
	CRANE, LOUIS J
	CROFT, KRISTA L
	DESMET, GREG
	DOLLINS, ELLEN C
	DONNELLY, AMANDA
	DUBIN, RONALD M
	DYLAN WITH PAINT
	EASTMAN, S M
	ELLIS, SHERI L
	ENDRICKSON, JEFFREY
	ESTABEN, MARCO A
	FORREST, HEATHER J
	FORTNEY, JAMES H
	FRANCIS, JOHN D
	GISH, CAROLYN C
	GRANADO, BRENDA J
	GRAY, R
	GRIFFITHS, MARLEEN L
	HOELLE, JODY R
	HOROWITZ, ERIC L
	HUDSON, LEIGHANN A
	HUFF, C
	JACKSON, SHAWN
	JAMARTA, JULIE A
	JASPER, DELANO
	JUDSON, EMILY
	KRABILL, RICHARD
	KRUSE, SUZAN C
	L & J TRUCKING
	LENE, CLAUDIA
	LIU, CHUNLIN
	LOOK, ROGER L
	LUBISICH, PETER
	LUTHER, CHARLES W
	MALGIN, SERGEY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2005 (Cont'd)

11	MARINO, DEWEY W
	MARTINEZ, STEVEN C
	MATTHEWS, LORI L
	MEADER, JILL A
	MILLER, SEAN
	MORRIS, KIMBERLY A
	NEILL, JAMES R
	OBRIEN, B
	OPSAHL, MARIAN D
	PALACIOS, MAGAN
	PARKER, JEFF
	PEASE, JONATHAN
	PEREZ, CINTIA
	PIEPEL, CARSTEN S
	PRINGLE, CLIFFORD
	PROPHETS & LIARS OF REDLANDS
	RARAI, TAKEHIRO
	RAYMOND, DOUGLAS C
	RBIZAGASTEGUI, S U
	RED OAK VILLAS
	RICE, JIM W
	RODRIGUEZ, FABIAN
	ROGOZENSKI, ALISON
	ROSS, JAMEL A
	RUSSELL, ANGELA B
	SADLER, DAVID P
	SALEM, LINDA
	SANTSCHI, DARRELL R
	SCHWAB, KARA M
	SLATER, JAMIE
	STEWART, KELLY J
	SUBBIAH, MURUGAN
	TAUVAGA, SILI L
	TERLECKI, AUGUST H
	THOMAS, SHEILA
	TIDWELL, R D
	TROUT, STEPHEN N
	VASQU, DANIEL
	VESPREMI, DAVID
	WALLACE, KASSIDY L
	WANG, SHUTANG
	WATTS, MICHAEL B
	WELCH, ROGER
	WIATER, TALULA G
	WILSON, EDNA M
	WREN, KARLA
	YANG, JEAN
	ZAMORES, ROBERT E
12	CARLSTROM, KARI M
	CTR STAGE COMMUNICATIONS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2005 (Cont'd)

12	KRUGER, TIMOTHY J
14	MARCHUS, DAVID D
63	HANY DANIEL TALYA
75	BROOKSIDE FREE METHODIST CHURCH
	COMMUNITY CHRISTIAN COLLEGE
85	DEHART, SHEILA
	FISCHER, ANNE
	JENSEN, CAROL D
	JENSON, C D
	MOODIE, RENALDO
	SMITH, STEPHEN G
87	BAKER, CLIFTON
	BRINKER, JACK A
	DEKONING, LINDA D
	KELLER WILLIAMS REALTY REDLANDS MARK
	TSOU, SIUKING W
89	DAVIS, JUDY L
	DUERBECK, ELLEN M
	MAYNES, LINCOLN J
	MIYASATO, LORETTA
	PARK-MIYASATO, LORETTA
	WELDON, JOHN R
91	ALSOP, NIKKI
	GREENE, WANDA J
	HANSON, JEAN M
	KHALAJESTANI, FARIDEH P
	MCKEEVER, REBECCA A
	MEEHAN, MICHELLE T
	OEI, JIMMY B
93	HAWKINS, JUDITH B
	HILL, SHERRY L
	JANSSEN, MEIKE
	STUBBS, NANCY G
95	ALDACO, ERLINDA N
	CHU, BRIAN
	MEACHAM, LESLIE J
	STOREY, KAREN
97	STANNERS, JEFFREY B
	WASBOTTEN, MICHAEL J
100	BATTLE, STEPHANIE D
	BILLINGS, LYNN M
	BROWN, DOROTHY W
	COFFIELD, JASON G
	DAVIS, IRENE
	DAY, CAROLYN H
	DRISKILL, JAMES W
	FERGUSON, RACHEL
	FUSANO, MICHAEL C
	GRABLE, SANDRA L
	GREENWAY, H

TENNESSEE ST 2005 (Cont'd)

100	HERNANDEZ, NIKKI M
	HUSTON, THOMAS
	KASLER, SALLY D
	KINNIRY, JEFF
	LIDO PALMS APARTMENTS
	MCCORKLE, JANET L
	MCMANAWAY, KENNETH R
	MULVIHILL, BETSY M
	PACE, JENI
	PALMER, SUE M
	PIRKLE, LARRY
	RENEER, ELMO
	SCRIBE PRESS
	STEMWEDEL, HILTON H
	THE BOUNCE HOUSE JUMPERS
	WOOD, WILLIAM H
	ZYLSTRA, MILLIE E
105	ARROWHEAD CHRISTIAN ACADEMY
130	REDLANDS JUNIOR ACADEMY
278	COVENANT FAMILY CHURCH
	GLENVIEW DEVELOPMENT CO
	JOSEPH STOREHO
	MURONE, TIMOTHY
	NEW VENTURE FOUNDATION
	NORTHSTAR WIRELESS
	SPECIAL OCCASIONS SERVICES
	T B M SERVICES INC
	T B M SERVICES INC ELECTRICAL
	TOKYO MASSAGE THERAPY
293	OUR PLACE CLUBHO
	OUR PLACE CLUBHOUSE
	VISTA GUIDANCE CENTERS
	VISTA GUIDANCE CENTERS OUR PLACE CLU
300	WESLEY RAY & SON INC
301	LA Z BOY WEST
	LAZBOY
414	3 H BUSINESS SERVICES INC
	ALBERTINE INSURANCE AGENCY
	ALBREKTSON LAW OFFICES
	CARING TOUCH DENTAL
	DIAZ, JOE
	ETHNOS HOUSE OF PRAYER MINISTRIES IN
	KINSHIP CENTER
	LAKOTA ENTERTAINMENT INC
	LAST TANGLE THE
	NURSEFINDERS OF REDLANDS INC
	NURSEFINDERS STAFFING INC
	ONE ON ONE TUTORING
	REDNAP INC
	SERENITE SKIN CARE

TENNESSEE ST 2005 (Cont'd)

414	STAR OFFICE STAFFING
	THE NAIL BOX
	ULTIMATE ARBIC KICK BOXING CENTER
	ULTIMATE KICKBOXING & FITNESS
	X CELL LAB INC
415	DECORATIVE DIMENSIONS
	DOUGLASS, CHRISTIAN M
	ENCHANTED UNICORN
	J & L DAYCARE CENTERS
	LIGHT, JAMES A
	LONG YALE INSURANCE
	P I P PRINTING OF REDLANDS
	PLAN TECH INC
	REDLANDS BICYCLE CLASSIC
	REDLANDS CYCLERY USA
	SELAH CHRISTIAN BOOKSTORE
	SOUNDTHEOLOGY
	W I T CONSTRUCTION
446	OASIS POOL & SPA
	OASIS POOL SERVICE
450	CALIFORNIA RIDER
452	ANDYS FORD SPECIALTIES
460	G & G SMOG ONLY
461	A & D TAILORING
	A & D TAILORING AND A FORMAL AFFAIRE
	A FORMAL AFFAIRE
	BEST LITTLE BARBER SHOP IN REDLANDS
	CALICO HORSE THE
	CURVES FOR WOMEN
	EASTERN CLASSIC RESTAURANT
	ELEANOR RIGBYS GIFT CO
	GOOD SCENTS
	HAIRDRESSERS
	HINGER, RONALD E
	ISLAND TANNING
	J & L DAYCARE
	NAIL ROOM THE
	NU LITE CO
	ON CALL EVENT SERVICES
	REDLANDS COLOR LAB
	SOLA, TUBE
504	RIVERA, RAMON
516	RODRIGUEZ, ROY G
520	CAL TILE
	KVC CONSTRUCTION
	OCCUPANT UNKNOWN,
	W WOOD & ASSOCIATES
610	UNIQUE AUTO DUNE BUGGY SUPPLY INC
611	EXCEL AUTOMOTIVE
615	EXCLUSIVELY CAKES BY MICHELLES

Target Street	Cross Street	Source
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TENNESSEE ST 2005 (Cont'd)

615 EXCLUSIVLEY CAKES BY MCHLS
OCCUPANT UNKNOWN,
619 ROZEMA, LOUIS
TENNES GARDEN
TENNESSEE GARDENS
620 BURGESONS HEATING AND AC INC
716 GOLDEN ACUPRESSURE
ROYAL MARKET LIQUOR
720 CRYSTAL CLEANERS
724 TATTOO REVOLUTION
728 SAN BERDOO BOOKS
736 THE ADULT SHOP
762 THUNDER INSURANCE SERVICES
770 PAPA JOHNS PIZZA
PJ SAN BERN INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2005

1001	GIGI & JEAN FRENCH RESTAURANT
1005	IHRIG, LOUEVA Y
1031	ARNDT, TINA
1045	DEVCO SANDBLASTING & INDUSTRIAL COAT
1076	BRIMTEK
1105	ARS DESIGNS
1107	MORDEL CORP
	REDLANDS MOVING & STORAGE
1113	HUTCHINSON MANUFACTURING CO
	HUTCHINSON MFG CO
1165	ANDERSON, HAROLD W
1166	BRAGA, FRANK J
1182	DRUNKIN POETS
	GOLEMBIEWSKI, JAMES J
	PARALLEL MUSIC
1195	NAPA SMOG PLUS
	NAPA SMOG PLUS # 2
	SMOG PLUS
	SMOG PLUS NO
1198	CORBIN, ARTHUR L
1270	CITY OF REDLANDS PURCHASING DEPARTME
1425	R P WAGES INC
1547	REDLANDS ANTIQUE AUCTION
1551	GARYS AUTO SALES
1580	CRIM, STEVEN M
1702	OCCUPANT UNKNOWN,
1717	SEVEN UP R C BOTTLING CO INC
1920	ERICK, IVA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 2005

805	HERRERA, SEBASTIANA
811	CHURCH, PAULA C
813	NELSON, R
850	KINCER, SHERI
	LONGNECKER, JAYNE
901	KIDD, ROSEY M
902	FLOYD, BRADLEY J
903	HERRON, KEN E
905	MARKS, JAMES L
907	PASZTERNAK, BARBARA J
909	OCCUPANT UNKNOWN,
910	OCCUPANT UNKNOWN,
911	JENSEN, MICHAEL M
912	REEDY, NORMA G
913	BUHL, ROBIN C
914	WOODYSISTERS
915	REED, PAUL J
917	PFAU, SANDRA J
919	POLONSKI, ERIC J
921	BROWNING, PATRICIA J
923	CARLSON, ROBERT H
924	OCCUPANT UNKNOWN,
926	CHRISTIAN, TIMOTHY
932	DAVIS, RONALD W
1011	DIAZ, DEBORAH M
	MCKENNY, MARISSA
	MICHEL, VALESSA
	PLAZONY, NICOLE
	ROBERTSON, DEVONA
	VILLARREAL, SUSAN R
1075	BURT, KARLTON L
	CHANURE, LILIA S
	CLAPP, KIMBERLY S
	CONTRERAS, K
	CRUZ, DENISE K
	FALASCA, GERALD
	FULCE, KAREN P
	GOYAL, DIVESH
	GUERRERO, GERARDO
	GUILLEN, ALBERTO A
	GUTIERREZ, DAVID
	HAJRA, KOUSHIK
	HERNANDEZ, MELISSA L
	JACKSON, GORDON B
	JIMENEZ, ALMA L
	KOUYOUMJIAN, VICTORIA
	LAYNE, HOWARD M
	LIN, QING
	LIU, NIANWEI
	LONDON, BETTY

W STATE ST 2005 (Cont'd)

1075	MARIN, LEVIA
	NAIDU, UMAMAHESWARAR
	OROURKE, KEVIN
	OYOYO, UDO
	PAPE, ANDREW C
	RASK, HELEN R
	REDLANDS APARTMENTS
	REDLANDS, L P
	RENTERIA, MAURA
	SANCHEZ, GEORGE N
	SHANBHAG, GAUTAM S
	SMITH, JAMES L
	SONG, JIANXIA
	SOTO, UBALDO
	STITES, C
	VERA, ROSA M
	WALDEN, DONALD G
	YANG, LING
	ZACHICHI, RICHARD M
	ZHUANG, LING
1171	REDLANDS ADVENTIST ACADEMY
1189	OUTBACK PHYSIOTHERAPY CENTRE
1419	DVA510 STONE AGE EQUIPMENT INC
	FIVE TEN
1423	BESEL ENTERPRISES INC
	GENERATION GIRL
	LASER TEC
	PENCE CONSTRUCTION INC
	PENCE, TERRANCE R
	STATE STREET BASKETS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2000

625	BOGEL, CHERIE
	MILLER, WILBUR P
	NASSIR, SALAM
	SADEK, RAMI
	TSUNEO, BILLY
	WARREN, JOHN L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2000

2	ARTEAGA, JAMES R
	GOSS, JAMES
6	OCCUPANT UNKNOWN,
8	KEBBAS, B
	MASONGSONG, BRENDA
11	AHN, HO K
	ALVAREZ, ALVARO
	ATTKISSON, PATRICK E
	BADIS, ISAAC I
	BARNA, ANGELA
	BARTLETT, L
	BEAUDOIN, RICHARD P
	BINA, CYRUS
	BLUTH, C P
	BLYTH, PHILIP J
	CAMPBELL, AMITY S
	DESMET, GREG
	DUBIN, GREGORY P
	FEDERIS, JOHN O
	FLOWERS, TERI
	GORDINIER, WAYNE
	GUCILATAR, V
	HALTON, DOROTHY B
	HAMON, LANCE L
	HAUGHT, ROSE M
	HOLCOMB, JEFF
	HOLLAND, LEE R
	HOPP, PHILLIP E
	ISENBERG, KATHY J
	JACQUES, TAMARA K
	KONOVALOV, A
	KRABILL, RICHARD
	KURUNATHAN, C
	KUSZCZAK, MARTA H
	LAFAVE, MARK
	LEACH, CARY W
	LUSHINSKY, TODD
	MACDONALD, SHAWN D
	MEJIA, FLAVIO R
	ONORATO, FRANK J
	PAGDILAO, CANDICE C
	POULIN, GARY
	RAJCEVICH, JAY J
	RED OAK VILLAS
	ROZOBERMUDEZ, SANDRA
	SHEBIEL, DENA M
	SHEPHERD, GREG
	SIGDESTAD, CAROL
	SMOCK, J J
	TABER, DAVID R

TENNESSEE ST 2000 (Cont'd)

11	TISSAN, RAYD N
	TUCKER, NORMAN
	WASS, ADAM M
	WELCH, HAZEL
	WHITAKER, RICHARD M
	WHITMORE, MICHAEL K
	ZHENG, LIJIANG
	ZHUANG, CHENG
14	ARIAS, ANTONIO
	KARLIN, BETH M
	SANTOS, ARLENE C
	STEPHENS, M
63	MOSHI, HELEN
75	BROOKSIDE FREE METHODIST CHURCH
85	CHENEY, CRAIG S
	COLE, MARGIE L
	HENDRICKSON, ANGELA
	KNEALE, G S
	LOOKABAUGH, KAREN J
	MULLER, DOROTHY E
	RIDGELY, ALLEN R
87	CARDENAS, JESUS A
	GRUPPOSO, MARC A
	HASH, JAMES G
	HUTCHINSON, NATALIE K
89	DUERBECK, CHARLES A
	PARK, M L
	VASQUEZ, EDWARD R
	WELDON, REBECCA
	WORCH, RANDAL L
91	ALSOP, NICK
	BRINKER, HAYLEY S
	CARTWRIGHT, JIM
	GREENE, WANDA J
	HANSON, JEAN M
	MASSARO, LORI A
	SALDANA, T M
92	OCCUPANT UNKNOWN,
93	HAWKINS, JUDITH B
	HILL, SHERRY L
	IMBRIANI, R L
	LESSER, HARVEY L
	SIMON, HAL H
	SOWERS, P L
	STUBBS, NANCY G
	VOLZ, GARY R
95	ALDACO, ERLINDA
	MCDERMOTT, KELLY J
	RUBIO, MAUREEN R
	RUCKER, DONNA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2000 (Cont'd)

95	VINSKI, PISARIC N
97	AITKEN, JILL M
	STANNERS, JEFFREY
99	IANCU, LUCIA
100	BAKER, NICKI A
	BROWN, TERRY
	CAVE, MIRIAM N
	CHESTNUT, JODY
	DAY, C S
	GORE, JAMES H
	HIGGASON, ANGELA K
	HOOD, K E
	LIDO PALMS APARTMENTS
	MALM, KRISTA R
	MATTA, THERESA
	MCGINN, JOSEPH
	MCMANAWAY, RANDY
	MEYER, JOLENE G
	PRESCOTT, BRENT A
	PRICE, STEWART
	REHM, RUTH
	REMEZOV, DENIS V
	SOTO, LOUIS
	STEWARD, WILTON A
	STRAHAN, JAMES P
	SYED, SAMITA
	THEODORE, JOHN G
	WELLARD, CHRIS M
105	ARROWHEAD CHRISTIAN ACADEMY
130	REDLANDS JUNIOR ACADEMY
185	OCCUPANT UNKNOWN,
251	CALIFORNIA CHRISTIAN TECHNOLOGY INSTITUTE
	COMMUNITY CHRISTIAN COLLEGE
	MOUNTAIN VIEW SERVICES
278	T B M SERVICES INCORPORATED
	THE ELECTRIC OUTLET
290	CENTRUM ANALYTICAL LABORATORIES
300	OCCUPANT UNKNOWN,
301	LA-Z-BOY WEST
340	CANDY BOUQUET
	OCCUPANT UNKNOWN,
412	OBRIEN, GEORGE J
	OBRIENS PET LODGING
414	AERTS, HOMER L
	BATES ASSOCIATES
	CHARTWELL LEARNING ABILITIES IMPROVEMENT
	COLTON RADIO
	COX, CHERYL
	CURRENT ENTERPRISES
	ESCO ELECTRONICS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2000 (Cont'd)

414	GEOHEALTH INCORPORATED
	HANOVER & SCHNITZER
	HESS, DAVID M
	JACOB SALLY CPA
	JAZZERCISE
	LAPALOMA RESTAURANT
	NAIL BOX THE
	ON SITE COMPUTER SALES & SERVICE
	RASKEY CHIROPRACTIC
	STAR STAFFING SOLUTIONS INCORPORATED
	STRESS BUSTERS THE
	SUPERIOR COUNSELING
	TRIPLE H ENTERPRISES
415	DOUGLASS CHRISTIAN MUSIC
	ENCHANTED UNICORN THE
	FARMERS INSURANCE GROUP AGENTS
	FESTIVAL BALLET
	J & L DAYCARE CENTERS
	N B I GENERAL CONTRACTORS INCORPORATED
	OLAN MILLS PORTRAIT STUDIO
	PIP PRINTING
	PLAN TECHNOLOGY INCORPORATED
	REDLANDS BICYCLE CLASSIC
	REDLANDS SCHWINN CYCERY
	SELAH CHRISTIAN BOOK STORE
	SOUNDTHEOLOGY
	THRALLS MASSAGE THERAPY
	TURN OF THE CENTURY
446	AUTO ANALYSTS
448	CYNTHIA & DENISE UPHOLSTERY
450	BROWN ENTERPRISES CAR GAUGE
458	REDLANDS ANTIQUE AUCTION
460	INLAND PERFORMANCE
	OCCUPANT UNKNOWN,
461	A & D TAILORING
	A FORMAL AFFAIRE
	AMRIX INSURANCE AGENCY
	BEST LITTLE BARBER SHOP IN TOWN
	CALICO HORSE THE
	EASTERN CLASSIC
	ELEANOR RIGBYS GIFT COMPANY
	HAIRDRESSERS
	ISLAND TANNING
	NAIL ROOM THE
	NU LITE COMPANY
	REDLANDS COLOR LABORATORY
	SOCIAL SECURITY ADMINISTRATION
	SOLA TUBE
	SPORTS IMMORTALS
504	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 2000 (Cont'd)

516	RODRIGUEZ, ROY
610	UNIQUE AUTO DUNE BUGGY SUPPLY INCORPORATED
620	BURGESONS HEATING & AIR CONDITIONING INCORPORATED
716	ADULT SHO THE
	ROYAL MARKET
	SAN BERDOO BOOKS INCORPORATED
720	CRYSTAL CLEANERS
758	FOSTERS DONUTS
766	SUBWAY SANDWICHES AND SALADS
770	PAPA JOHNS
	PAPA, JOHNS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 2000

1005 OCCUPANT UNKNOWN,
1045 DEV, C
DEVCO SANDBLASTING
DEVELOPMENT COMPANY
KEVARI C
KEVARI, C
1075 UNOCAL FORD STREET
1076 ELITE DETAILING
1083 BAHRAMI, MOSTAFA
BRONCS TOWING
1090 D & R AUTO UPHOLSTERY
1105 ANDERSON, DAVE A
DECORATING DEN INTERIORS
DISTINCTIVE WINDOW SHADES
1107 PRACTICAL RENT A CAR OF REDLANDS
REDLANDS MOVING & STORAGE
1112 PACIFIC COAST INDUSTRIES
THERMODYNAMIC TERMITE CONTROL
1113 HUTCHISON MANUFACTURING COMPANY
1120 DISASTER KLEEN UP
1125 CAR TREK MOBILE AUTO REPAIR & STEEL FABRICATION
J F & S DISTRIBUTING COMPANY
JAMES DEAN COMPANY THE
1143 A 1 ANDERSONS TOWING
ANDERSON TRANSPORTING
ANDERSON, BILLIE D
L & L TOWING
REDLANDS TOWING
1165 KING, KATHRYN L
WILMS KART & MINI BIKE SHOP
1166 BRAGA, FRANK J
1174 OCCUPANT UNKNOWN,
1195 CHUCKS COMPLETE AUTO REPAIR & SERVICE
1198 CORBIN, ARTHUR
1270 REDLANDS CITY OF FINANCE DEPARTMENT
1717 SEVEN UP ROYAL CROWN BOTTLING COMPANY
1920 ERICK CONSTRUCTION

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 2000

805	HERRERA, S
809	OCCUPANT UNKNOWN,
811	OCCUPANT UNKNOWN,
813	OCCUPANT UNKNOWN,
820	AMERICAN LEGION POST NO 106
840	OCCUPANT UNKNOWN,
850	OCCUPANT UNKNOWN,
901	RAJARAO, ARUN
902	FLOYD, HOWARD P
903	OCCUPANT UNKNOWN,
905	MARKS, JAMES L
	REDLANDS MARTIAL ARTS ACADEMY
907	PROST, JOAN K
909	SERRAO, FRANCES R
911	NELSON, GREGORY M
912	OCCUPANT UNKNOWN,
913	OCCUPANT UNKNOWN,
914	KELSEY, LORI J
915	OCCUPANT UNKNOWN,
916	OCCUPANT UNKNOWN,
917	OCCUPANT UNKNOWN,
919	OCCUPANT UNKNOWN,
920	ROBERTS, SANDRA L
921	BROWNING, P J
922	OCCUPANT UNKNOWN,
923	CARLSON, ROBERT H
928	OCCUPANT UNKNOWN,
930	OCCUPANT UNKNOWN,
932	OCCUPANT UNKNOWN,
1011	VASQUEZ, JOANNE
1025	OCCUPANT UNKNOWN,
1057	OCCUPANT UNKNOWN,
1075	ABALLI, MAXINE W
	BOCKENHAUER, MARK
	BURT, KARLTON L
	CHANURE, LUIS
	DODSON, DUANE
	DREW, JULIE
	DUNN, THOMAS A
	EDWARDS, HOLLIE N
	GUTIERREZ, DAVID
	HARWOOD, BARBARA L
	INKELAAR, C
	KENDRICK, RONALD W
	LESUEUR, C
	MOORE, LORAN
	NWANODI, OGONDA A
	OCHS, EVAN
	PIDAL, SANDRA
	RAMOS, V

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 2000 (Cont'd)

1075 REDLANDS APARTMENTS
RESENDEZ, CRAIG
ROMERO, MARIA L
SCISLOWICZ, BEATA
VALADEZ, JESSE
WALDEN, DONALD
ZENGER, BRADON

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1995

625 ASC MOBILE DJ
WARREN, JOHN L
10770 PERKISN, ROYCE I

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 1995

2	GARRETT, CYNTHIA
6	TABURA, STANLEY
8	EISENBEISZ, STEVE
11	ALVAREZ, ALVARO
	AUCOIN, CECILE
	BAILEY, J
	BAYLINK, PAUL
	CARUSO, DENNIS
	CHAPMAN, BRIAN
	DELGADO, NINA
	ENDICOTT, WILLIAM
	FINGER, LISA
	HANEY, LEANNA
	HAUSER, THOMAS B
	HITCHCOCK, JILL
	HJERSTEDT, DORA
	HOLT, JERRY
	JENSON, ERIC
	KENDEL, A
	KURUNATHAN, C
	MACMURRAY, JAMES P
	MAJ, E
	MAYADAS, KIM
	MOORE, BEVERLY
	NEWVILLE, MICHELE
	NOGUCHI, HIROJI
	PASCHALL, STEVEN
	PICKERING, VICKI
	PLACIAL, CYNTHIA
	PLANTZ, ROBYN
	RACHMAN, RUSDI
	RED OAK VILLAS
	RICHARDSON, TIM
	ROBERTS, THERESA
	SAVAGE, JANUS
	STIERINGER, F
	TAYLOR, ROBERT E
	THAYER, SEAN
	THORSEN, RICHARD C
	TUCKER, NORMAN
	VASILESCU, VIOREL
	WALES, JANET
	WALL, ROBERT
	WALTERS, M
	WHITAKER, RICHARD M
	WHITMORE, MICHAEL K
	WIRTHLIN, JACOB
	WOODGATE, TODD
	WYATT, ROSA
	YU, JANKUNG

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 1995 (Cont'd)

75	BROOKSIDE FREE METHODIST
85	CHENEY, CRAIG S
	COLE, MARGIE L
	KONTRA, ALAN
	RIDGELY, ALLEN R
	THRALLS, KAREN J
87	HASH, JAMES G
	HUTCHINSON, NATALIE K
	TOMKO, PETER W
89	TARLTON, AARON W
	TEUBNER, DALE R
	TRIPLETT, WALTER
	VASQUEZ, EDWARD R
	WORCH, RANDAL
91	BLENZ, PAUL J
	FARNI, JIMMIE
	LINDAHL, MARK L
	MCCOLLUM, JAMES
	SALDANA, T M
	SEELY, GARY
	ZDOR, DONNA
93	IMBRIANI, R L
	MORRIS, ROBERT B
	SIMON, HAL H
95	LEONARD, DYKE W
	MOORE, SARAH A
	RUCKER, DONNA
97	AITKEN, JILL M
	CHAPMAN, MALCOLM O
	MEGENNEY, WILLIAM H
	MERCADO, SERGIO
	RICHTER, JASON
100	ANDERSONS PAINTING
	BITAR, WALID
	BROWN, TERRY
	CHESTER, JODY
	DAY, C S
	LIDO PALMS APARTMENTS
	LOWRIMORE, FRANCES
	MULVIHILL, BETSY
	OBMANN, MARK
	PEDERSON, DOROTHY
	PEIRCEY, L L
	PRICE, DONNA
	SHARP, THOMAS L
	SHAWVER, JODY
	SPARACIO, JACK A
	STEPHENS, MICHAEL M
	STEWARD, WILTON
	STRAHAN, JAMES P

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 1995 (Cont'd)

100	TURNEY, MARY
	ZYLSTRA, BERNARD
105	ARROWHEAD CHRISTIAN ACADEMY
130	REDLANDS JUNIOR ACADEMY
251	WINWARD PRODUCTIONS
278	TBM ELECTRIC INC
287	SOUTHERN CALIFORNIA EDISON CO
290	CENTRUM ANALYTICAL LABS
300	OCCUPANT UNKNOWNN
	RAY WESLEY & SONS INC
340	OCCUPANT UNKNOWNN
412	OBRIEN, GEORGE J
	OBRIENS PET LODGING
414	ARROYO SKIN CARE INSTITUTE
	BATES ASSOCIATES
	CHERCHEZ LA FEMME
	CURTIS, SALLEY
	CUTTING CREW
	ESCO ELECTRONICS CORP
	FREDERICK W VON ARX INC
	HESS, DAVID M
	HOME & LAND MAGAZINE
	JACOBBICHER, SALLY
	JAZZERCISE
	MINAS RESTAURANT
	NAIL BOX
	NATURES FINISH
	P F INK
	PAGESTATION NETWORK INC
	PARKWEST INSURANCE SVC
	SALLY JACOB BICHER CPA
	SAN PLUMBING SUPPLY
	SHERI L WOLF
	TRIPLE H ENTERPRISES
	VILLENA INSURANCE SVC
415	CROWN FIRE PROTECTION
	DECORATIVE DIMENSIONS
	ELEANOR RIGBYS GIFT CO
	ENCHANTED UNICORN
	OLAN MILLS PORTRAIT STUDIO
	OTI
	PUGNER, ANN
	REDLANDS SCHWINN CYCLERY
	ROBERT KNUDSEN CONSTRUCTION
	SIDELINES SPORTS DELI
	SOCCER STORE N MORE
	TURN OF THE CENTURY
446	AUTO ANALYSTS
	OCCUPANT UNKNOWNN
448	AVALOS, MIRIAM

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 1995 (Cont'd)

450	BROWN ENTERPRISES CAR GAUGE
452	ALLENS FORD SPECIALTIES
	DARLENE, JULIA
461	A & D TAILORING
	BARRY L MORGAN
	BEST LITTLE BARBER SHOP
	CALICO HORSE
	DONS DOLL HOUSE & MINIATURES
	DOROTHY M GREGORY DC
	DOUGLASS CHRISTIAN MUSIC
	FARMERS INSURANCE GROUP
	FLATERS CHRISTIAN BOOK STORE
	HAIRDRESSERS
	IZZYS FOOD & SPIRITS
	NAIL ROOM
	PIP PRINTING
504	OCCUPANT UNKNOWNN
516	RODRIGUEZ, ROY
610	UNIQUE AUTO DUNE BUGGY SUPPLY
611	CHUCKS AUTO REPAIR
615	ROZEMA, RALPH
619	MOORE, THOMAS C
620	BURGESONS HEATING & AIR COND
716	ROYAL MARKET
720	CRYSTAL CLEANERS
758	FOSTERS DONUTS
762	MARYS A ONE CLEANERS
766	REDLANDS COLOR LAB
770	CHIEF AUTO PARTS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W PARK AVE 1995

1005	IHRIG, CARL W
1045	BURTON SANDBLASTING
	C KEVARI
	KEVARI, C
1075	DIAZ, PHILLIP F
1105	A SILK ARRANGEMENT
	ALLANS CUSTOM SHADES
	DATSUN SPECIALTIES
1107	BRAZIL VAN & STORAGE
1113	GORDYS POOL REPAIRS & REMODEL
	HUTCHISON MANUFACTURING CO
1120	FLETCHER CERTIFIED SVC INC
1143	L & L TOWING
	REDLANDS TOWING
1165	KING, CARL
	WILMS KART & MINI BIKE SHOP
1166	BRAGA, FRANK J
1174	OCCUPANT UNKNOWNN
1195	CHUCKS COMPLETE AUTO REPAIR
1717	SEVEN UP RC BOTTLING CO
1920	WICK ENGINEERING INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 1995

913 HOLCOMBE, RONALD B
1075 REDLANDS APARTMENTS
1419 EXPRESS CONTAINER INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1992

9228 MURPHY, ERIN K

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

TENNESSEE ST 1992

2	MOORE, RALPH
6	BAKER, I D
	LI, TAO
	MOUW, GARRETT L
8	CARDEN, PAULA M
	HEDRICK, GREG
11	ALDRIGDGE, JAMES E
	BURT, JAMES
	CALLES, VINCENT
	ELLIS, GREGORY
	HASSELBECK, THOMAS
	HAYNES, J
	KURUNATHAN, C
	MAJ, E
	MORALES, JOHN
	PIERCE, JOHN L
	POST, CHARLES A JR
	RED OAK VILLAS
	RETALLICK, MICHAEL
	SAULPAUGH, DAVE
	SKAGGS, SAM
	TAYLOR, ROBERT E
	WELSH, PAUL
12	SARDY, LEAH
75	BROOKSIDE FREE MTHD
85	TAKEUCHI, DAVID
	WILSON, SHANDA
87	MARTIN, THOMAS
89	KEARNEY, JOHN
	WORCH, RANDAL
91	LINDAHL, MARK
	MCCOLLUM, JAMES
	SEELY, GARY
93	PHILLIPS, ALEXIS
97	HI POWER SHOP
	MERCADO, SERGIO
100	ANDERSONS PAINTING
	LIDO PALMS APTS
	OSBORNE, STUART
	SIMONDES, EDWARD A
	THARALDSON, LONNIE
	TRAWICK, SUE
105	WINDWARD PRDCTNS
130	REDLND JUNIOR ACDMY
251	MOUNTAIN VW SERVICE
278	T B M ELECTRIC
287	SOUTHRN CA EDISON
290	CENTRUM&ANALYTICAL
300	RAY WESLEY&SONS
301	LA Z BOY WEST

TENNESSEE ST 1992 (Cont'd)

412 ALLMAN KENNELS
OBRIEN, GEORGE J
414 ARROYO SKIN CARE
BATES ASSOCIATES
CUTTING CREW
ESCO ELECTRONICS
HESS DAVID M
HESS, DAVID M
JAZZERCISE
MINAS RESTAURANT
NAIL BOX THE
PAGESTATION NETWORK
PARKWEST INS SERV
PHOTO FINISH
QUALITY ALARM INC
REDLND VLY REHBLTN
SAN PLUMBING SUPPLY
TWO FRIENDS EMBRDRY
VILLENA INS SERVICE
WOLF SHERI L
WOLF, SHERI L
WORKMAN STEPHEN CPA
415 BUSINESS PAGES
CROWN FIRE PRTCTN
DECORATIVE DIMENSNS
DIAL A RIDE
ELEANOR RIGBYS GIFT
GRAPHIC SERVICES
OLAN MILLS STUDIO
REDLND SCHWINN CYCL
SIDELINES
STAUFFERS LANDSCAPE
TURN OF THE CENTURY
UNICORN ENCHANTED
446 AUTO ANALYSTS
448 OSBORNE, P N
450 BROWN ENTERPRISES
452 ALLENS FORD SPCLTY
461 A&D TAILORING
AMISTADI GALXY TRVL
BEST LITTLE BARBER
BLACKBERRY COTTAGE
CALICO HORSE THE
FARMERS INS
HAIRDRESSERS
HOAG&HOAG INS AGNCY
MORGAN B L ATTY LAW
MR KS
NAIL ROOM THE
P I P PRINTING

TENNESSEE ST 1992 (Cont'd)

461	REDLND CHRISTN BOOK
	SWANSON P A ATTY
516	RODRIGUEZ, ROY
610	UNIQUE AUTO BUGGY
611	CHUCKS AUTO REPAIR
615	ROZEMA, RALPH
620	BURGESONS HTG&AIR
716	SEVEN 11 FOOD 27134
720	CRYSTAL CLEANERS
736	ACCUPRESS
758	FOSTERS DONUTS
762	MARYS A ONE CLEANER
766	REDLND COLOR LAB
770	CHIEF AUTO PARTS
1002	LACY, V
1004	STEWARD, WILTON
1005	TRAUGOTT, CHARLES L
1007	SHAWVER, JODY
1008	PRESTIDGE, ODELL
1009	MULVIHILL, BETSY
10016	ZYLSTRA, BERNARD
10033	BROWN, TERRY
10035	DAY, C S
10040	CARTER, CRAIG B
10042	CANTRALL, BARBARA
	CROTEAU, EDWARD
	PEIRCEY, L L
10044	STEPHENS, MICHAEL M
10048	STRAHAN, JAMES P
11104	GREEN, TRACI
11105	GIPSON, E L
11110	CRAWFORD, CLAYTON
11125	MACMURRAY, JAMES P
11144	FISCHER, KENNETH
11165	GREENWALD, DAVID
11175	STIEBER, VOLKER W JR
11179	ANDERSON, ROSIE L
11182	ALVAREZ, ALVARO
	BUCKLEY, DAVID
11183	WHITMORE, MICHAEL K
11195	SAVAGE, JANUS
11196	TREMAINE, SHAWN
11200	MURRAY, DOUG
11220	VANLINDEN, ROBERT

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-	✓	EDR Digital Archive

W PARK AVE 1992

1005 IHRIG, CARL W
1045 J F&S DSTRBTNG CO
1105 A SILK ARRANGEMENT
ALLANS CUSTOM SHADE
DATSUN SPECIALTIES
1107 BRAZIL VAN&STORAGE
TRI STATE HSPTL SPL
1113 HUTCHISON MFG CO
1120 CREST CLEAN OF CLTN
FLETCHER CERTIFD SV
1125 LOMA LND CHERRCO
1143 L&L TOWING
REDLND TOWING
1165 WILMS KRT&MINI BIKE
1166 BRAGA, FRANK J
1182 GOLEMBIEWSKI, JAMES
1195 CHUCKS AUTO RPR&SRV
1270 REDLNDS CTY EQP GAR
1717 SEVEN UP ROYAL CRWN
1930 A BETTER DOOR CO

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

W STATE ST 1992

813	SENIOR, GARY W
820	AMER LEGION NO 106
850	ELLINGTON, ESTHER
901	RICEMAN, WILLIAM
902	FLOYD, HOWARD P
905	WOODBRIDGE, LLOY A
910	ROBERTS, WILLIAM
913	HOLCOMBE, RONALD B
914	MCCONNELL, TERESA B
921	BROWNING, P J
922	GABALDON, J
1011	GUITTEREZ, TONY
	WOLFE, MICHAEL
1075	ALVI, JAMIL
	BECKETT, MARK
	BENHAM, DORIS
	BOSHOVEN, ANNE E
	JAMES, GEORGE
	LAYNE, HOWARD
	QI MING
	REDLND APARTMENTS
	REMINISKEY, GERARD
	SALAZ, JAMES L
	WALDEN, DONALD
	WERTENBERGER, J
	WIKLERSON, KENNY
1419	EXPRESS CONTNR INC

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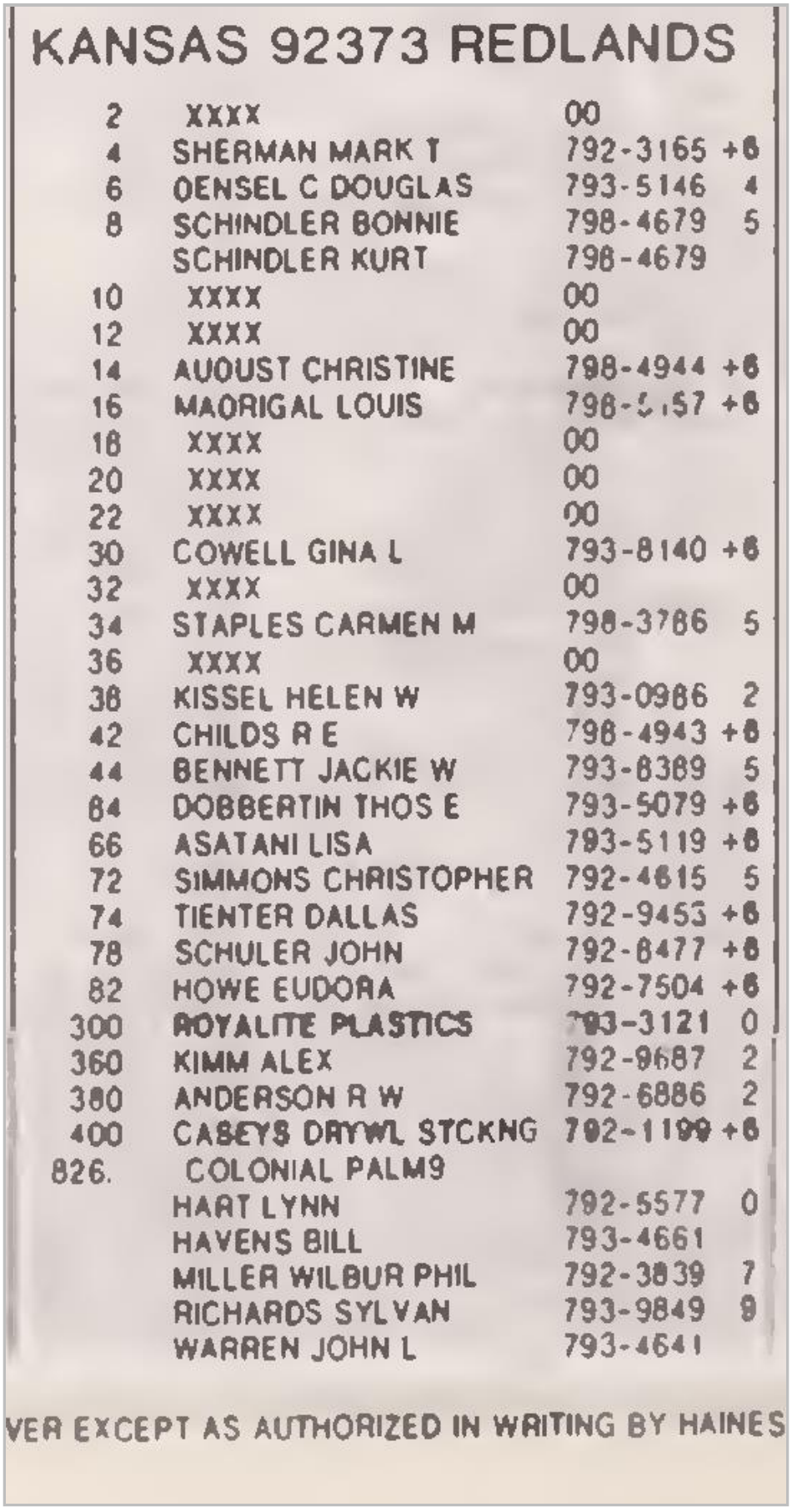
KANSAS ST 1986



KANSAS 92373 REDLANDS

2	XXXX	00	
4	SHERMAN MARK T	792-3165	+6
6	OENSEL C DOUGLAS	793-5146	4
8	SCHINDLER BONNIE	798-4679	5
	SCHINDLER KURT	798-4679	
10	XXXX	00	
12	XXXX	00	
14	AUOUST CHRISTINE	798-4944	+6
16	MAORIGAL LOUIS	798-[illegible]57	+6
18	XXXX	00	
20	XXXX	00	
22	XXXX	00	
30	COWELL GINA L	793-8140	+6
32	XXXX	00	
34	STAPLES CARMEN M	798-3786	5
36	XXXX	00	
38	KISSEL HELEN W	793-0986	2
42	CHILDS R E	798-4943	+6
44	BENNETT JACKIE W	793-8389	5
64	DOBBERTIN THOS E	793-5079	+6
66	ASATANI LISA	793-5119	+6
72	SIMMONS CHRISTOPHER	792-4615	5
74	TIENTER DALLAS	792-9453	+6
78	SCHULER JOHN	792-8477	+6
82	HOWE EUDORA	792-7504	+6
300	ROYALITE PLASTICS	793-3121	0
360	KIMM ALEX	792-9687	2
380	ANDERSON R W	792-6886	2
400	CASEYS DRYWL STCKNG	792-1199	+6
826.	COLONIAL PALMS		
	HART LYNN	792-5577	0
	HAVENS BILL	793-4661	
	MILLER WILBUR PHIL	792-3839	7
	RICHARDS SYLVAN	793-9849	9
	WARREN JOHN L	793-4641	

VER EXCEPT AS AUTHORIZED IN WRITING BY HAINES

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KANSAS ST 1986



KANSAS 92373 CONT

WARREN NEIL 793-1523 S

WILSON BETTY L 793-0849 +6

625

11003 XXXX 00

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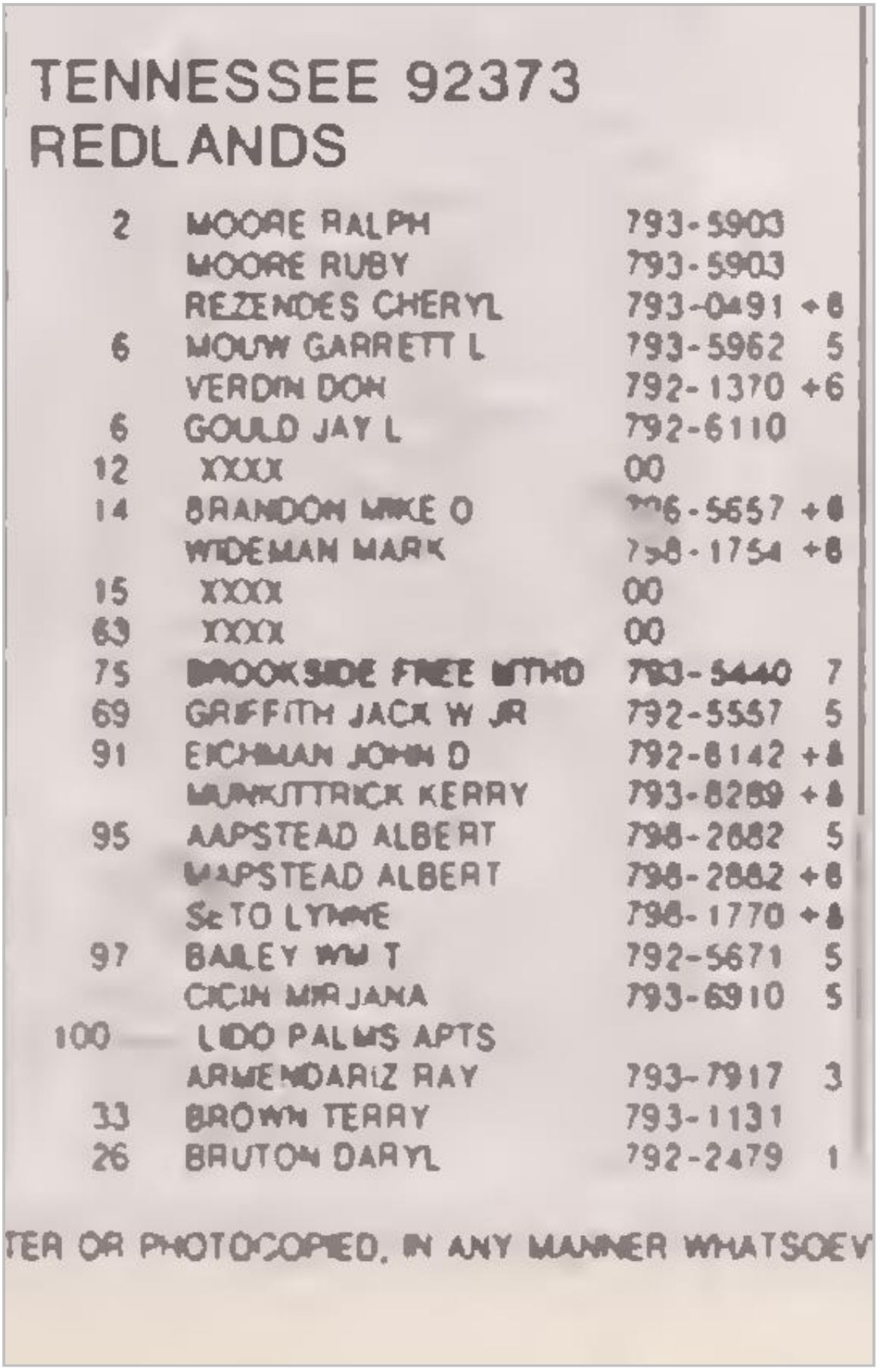
TENNESSEE ST 1986



TENNESSEE 92373
REDLANDS

2	MOORE RALPH	793-5903	
	MOORE RUBY	793-5903	
	REZENDES CHERYL	793-0491	+6
6	MOUW GARRETT L	793-5962	5
	VERDIN DON	792-1370	+6
6	GOULD JAY L	792-6110	
12	XXXX	00	
14	BRANDON MIKE O	[illegible]6-5657	+6
	WIDEMAN MARK	[illegible]8-1754	+6
15	XXXX	00	
63	XXXX	00	
75	BROOKSIDE FREE METHO	793-5440	7
69	GRIFFITH JACK W JR	792-5557	5
91	EICHMAN JOHN D	792-8142	+6
	MUNKITTRICK KERRY	793-8289	+6
95	AAPSTEAD ALBERT	798-2682	5
	MAPSTEAD ALBERT	798-2882	+6
	SETO LYNNE	798-1770	+6
97	BAILEY WM T	792-5671	5
	CICIN MARJANA	793-6910	5
100	LIDO PALMS APTS		
	ARMENDARIZ RAY	793-7917	3
33	BROWN TERRY	793-1131	
26	BRUTON DARYL	792-2479	1

TER OR PHOTOCOPIED, IN ANY MANNER WHATSOEV

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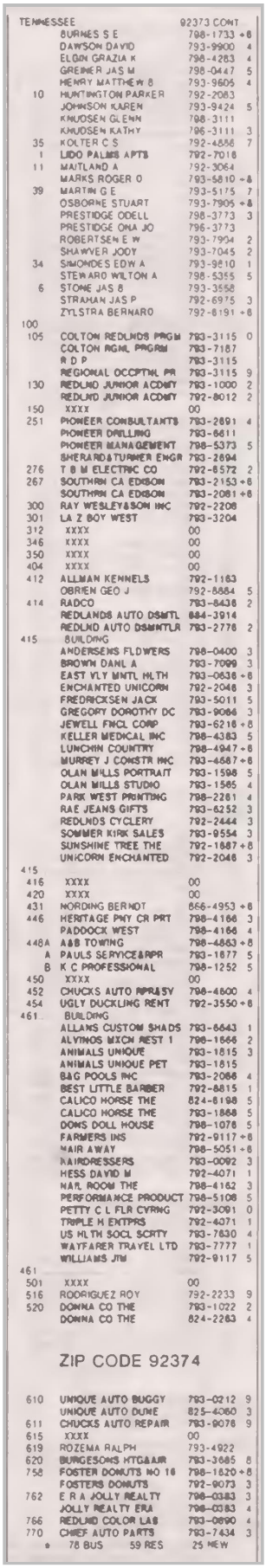
TENNESSEE ST 1986



TENNESSEE 92373 CONT

	BURNES S E	798-1733 +8
	DAWSON DAVID	793-9900 4
	ELGIN GRAZIA K	798-4283 4
	GREINER JAS M	798-0447 5
	HENRY MATTHEW B	793-9605 4
10	HUNTINGTON PARKER	792-2083
	JOHNSON KAREN	793-9424 5
	KNUDSEN GLENN	798-3111
	KNUDSEN KATHY	796-3111 3
35	KOLTER C S	792-4856 7
1	LIDO PALMS APTS	792-7018
11	MAITLAND A	792-3064
	MARKS ROGER O	793-5810 +8
39	MARTIN G E	793-5175 7
	OSBORNE STUART	793-7905 +8
	PRESTIDGE ODELL	798-3773 3
	PRESTIDGE ONA JO	796-3773
	ROBERTSEN E W	793-7934 2
	SHAWVER JODY	793-7045 2
34	SIMONDES EDW A	793-9810 1
	STEWARD WILTON A	798-5355 5
6	STONE JAS B	793-3558
	STRAHAN JAS P	792-6975 3
	ZYLSTRA BERNARD	792-8191 +8
100		
105	COLTON REDLNDS PRGM	793-3115 0
	COLTON RGNL PRGRM	793-7187
	R D P	793-3115
	REGIONAL OCCPTNL PR	793-3115 9
130	REDLND JUNIOR ACDMY	793-1000 2
	REDLND JUNIOR ACDMY	792-8012 2
150	XXXX	00
251	PIONEER CONSULTANTS	793-2891 4
	PIONEER DRILLING	793-6611
	PIONEER MANAGEMENT	798-5373 5
	SHERARD&TURNER ENGR	793-2894
276	T B M ELECTRIC CO	792-6572 2
267	SOUTHRN CA EDISON	793-2153 +8
	SOUTHRN CA EDISON	793-2081 +8
300	RAY WESLEY&SON INC	792-2208
301	LA Z BOY WEST	793-3204
312	XXXX	00
346	XXXX	00
350	XXXX	00
404	XXXX	00
412	ALLMAN KENNELS	792-1183
	OBRIEN GEO J	792-8884 5
414	RADCO	793-8436 2
	REDLANDS AUTO DSMNTL	884-3914
	REDLND AUTO DSMNTLR	793-2778 2
415	BUILDING	
	ANDERSENS FLDWERS	798-0400 3
	BROWN DANL A	793-7099 3
	EAST VLY MNTL HLTH	793-0636 +8
	ENCHANTED UNICORN	792-2048 3
	FREDRICKSEN JACK	793-5011 5
	GREGORY DOROTHY DC	793-9086 3
	JEWELL FNCL CORP	793-6218 +8
	KELLER MEDICAL INC	798-4383 5
	LUNCHIN COUNTRY	798-4947 +8
	MURREY J CONSTR INC	793-4587 +8
	OLAN MILLS PORTRAIT	793-1598 5
	OLAN MILLS STUDIO	793-1585 4
	PARK WEST PRINTING	798-2281 4
	RAE JEANS GIFTS	793-6252 3
	REDLNDS CYCLERY	792-2444 3
	SOMMER KIRK SALES	793-9554 3
	SUNSHINE TREE THE	792-1887 +8
	UNICORN ENCHANTED	792-2048 3
415		
416	XXXX	00
420	XXXX	00
431	NORDING BERNDT	866-4953 +8
446	HERITAGE PNY CR PRT	798-4166 3
	PADDOCK WEST	798-4166 4
448A	A&B TOWING	798-4863 +8
A	PAULS SERVICE&RPR	793-1877 5
B	K C PROFESSIONAL	798-1252 5
450	XXXX	00
452	CHUCKS AUTO RPR&SV	798-4600 4
454	UGLY DUCKLING RENT	792-3550 +8
461	BUILDING	
	ALLANS CUSTOM SHADS	793-6643 1
	ALYINOS MXCN REST 1	798-1566 2
	ANIMALS UNIQUE	793-1815 3
	ANIMALS UNIQUE PET	793-1815
	B&G POOLS INC	793-2066 4
	BEST LITTLE BARBER	792-8815 1
	CALICO HORSE THE	824-8198 5
	CALICO HORSE THE	793-1868 5
	DOMS DOLL HOUSE	798-1078 5
	FARMERS INS	792-9117 +8
	HAIR AWAY	798-5051 +8
	HAIRDRESSERS	793-0092 3
	HESS DAVID M	792-4071 1
	NAIL ROOM THE	798-4162 3
	PERFORMANCE PRODUCT	798-5108 5
	PETTY C L FLR CVRNG	792-3091 0
	TRIPLE M ENTPRS	792-4071 1
	US HLTH SOCL SCRTY	793-7830 4
	WAYFARER TRAVEL LTD	793-7777 1
	WILLIAMS JIM	792-9117 5
461		
501	XXXX	00
516	RODRIGUEZ ROY	792-2233 9
520	DONNA CO THE	793-1022 2
	DONNA CO THE	824-2263 4

ZIP CODE 92374

610	UNIQUE AUTO BUGGY	793-0212 9
	UNIQUE AUTO DUNE	825-4060 3
611	CHUCKS AUTO REPAIR	793-9078 9
615	XXXX	00
619	ROZEMA RALPH	793-4922
620	BURGESONS HTG&AIR	793-3685 8
758	FOSTER DONUTS NO 16	798-1620 +8
	FOSTERS DONUTS	792-9073 3
762	E R A JOLLY REALTY	798-0383 3
	JOLLY REALTY ERA	798-0383 4
766	REDLND COLOR LAB	793-0890 4
770	CHIEF AUTO PARTS	793-7434 3

* 78 BUS 59 RES 25 NEW

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W PARK AVE 1986



PARK AV W 92373
REDLANDS

1005	HRIG CARL W	793-3682	
1019	XXXX	00	
1045	KEVARI C	792-5652	
1079	XXXX	00	
1105	D&J FINISH DR&SASH	793-6985	+6
	T M A C HEATING	798-4177	+8
A	SAV ON ENTERPRISES	792-9689	3
B	PARK AVE CAR CARE	798-1748	4
D	EMPIRE BODY PAINT	798-4169	5
1107	BRAZIL VAN&STORAGE	792-1555	
	GIBBONEY SIGNS	798-4639	4
1112	XXXX	00	
1113	FOREVER YOURS ENTP	793-9639	+6
B	HUTCHISON MFG CO	793-2629	
E	MACK KIT COMPANY	792-7579	2
1114	XXXX	00	
1120	DISASTER KLEEN UP	625-3154	+8
	DISASTER KLEENUP	792-7254	5
	FLETCHER CERTIFD	625-3154	+6
	FLETCHER CERTIFIED	792-7254	+6
1125C	LOMA LND CHERRCO	792-4810	
1143	A 1 ANDERSONS	798-4171	5
	ANDERSON TRNSPRTNG	798-4171	
	L&L TOWING	624-7888	4
	L&L TOWING	798-4171	4
	LOMA LNDA TOWING	798-4171	
1165	WILMS KRT&MINI BIKE	792-1781	
1166	BRAGA FRANK J	792-4832	
1174	SLOAN A J	792-5886	7
26720	GUARDIAN HOME LOAN	798-4343	4
	M L PROPERTIES	798-4343	4
	MOWERY L L	792-2673	7

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W STATE ST 1986

805	PRESTON J W MRS	793-3885	
811	HIGHTON GREGORY	793-4105	5
813	WAGNER JAS A	793-9466	0
820	AMER LEGION NO 106	792-4523	
850	APARTMENTS		
	DAOUST R	798-2828	3
	HERNANDEZ GREGORY L	796-3479	+6
	LILLIBRIDGE J M	792-4695	3
	MARTIN ROBT J	792-8627	+6
	MARTIN ROBT J	792-8755	+6
	MARTIN SHERRY L	792-8755	+6
17	MCKINSTRY J ALBERT	792-0839	
	OPPENHUIZEN BRIAN J	792-9723	4
	SELZLER BRUCE E	798-4709	5
	SINGERDOWD STEFANIE	792-2376	+6
	THOMAS CLARENCE SR	792-5231	1
	TYSKA LYNNE	793-3868	5
	TYSKA STEPHEN M	798-1622	+6
850			
900	HERRING F A	793-4911	
901	XXXX	00	
902	FLOYD HOWARD P	792-0296	9
903	XXXX	00	
905	XXXX	00	
907	JORDAN KRISTEN	792-9189	5
910	DUTCHER M	793-4327	+6
911	RIDDLE VIRGINIA	793-5666	0
912	XXXX	00	
913	WOOD JAS	792-6818	+6
914	MCCONNELL TERESA B	792-9527	+6
915	BURROWS ROBT	798-3838	5
916	TERRELL NORMAN	798-1091	2
917	XXXX	00	
918	SPENCER ELIZABETH R	792-4099	+6
919	XXXX	00	
920	TAYLOR LARRY	793-1834	4
921	ATTERMEYER M L	798-5457	5
922	XXXX	00	
923	CRITCHFIELD B P	793-2291	5
924	STICKNEY T B	792-0136	
926	PARKERSON L C	793-1660	5
928	XXXX	00	
930	SCRIMA DAVE	798-1893	5
932	HARVEY JOHN	792-7719	
1075	LAS CASITAS W APTS		
	BAILEY MICHAEL	793-9511	5
	BLANTON MANDA L	793-3245	5
	BLODGETT STEPHEN	798-1573	3
1B	CORTESE L	793-2565	1
	FERGUSON ERIC	792-8589	5
	FORD MELVIN III	793-6893	5
	FRAZEE LAURA	798-1079	+6
	GAMBLE JOHN P	792-2396	+6
	GOODWIN PAUL	793-9795	5
	HARRISON MITCHELL T	793-1624	+6
	HOSACK LINDA	792-9307	4
	HUTCHISON PHILIP	793-9783	5
	JACOBS THOS A	798-5087	+6
	JASINSKI ROBT W	792-2216	+6
	KENNEDY WM H	796-1523	+6
	KING DALE C	796-0491	3
	LASCASITAS W APTS	792-7495	0
4A	LAYNE HOWARD	793-7869	1
	LEWIS DANL	793-8371	+6
	LEWIS REANA	793-8371	+6
	MACDONALD MARK L	796-0138	+6
	MONTEGRANDE A	792-3613	+6
	MONTEGRANDE S M	792-3613	+6
30	ORTMAN ERNEST	798-1045	1
	PRIEST ALICIA	798-5399	
	PRIEST THORNTON	798-5399	5
	SALAZ JAS	793-4614	5
	THRALLS DOUGLAS W	793-6320	+6
	TIBBETTS LETHA	798-4405	5
	VARSHAY ELSIE M	792-3580	+6
	VARSHAY JAS R	792-0870	+6
1F	WALDEN DONALD	798-0445	1
	WHITE LARRY A	793-7665	+6
	WILCOX KAREN L	793-3533	+6
	WILCOX S D	796-4935	+6
	WILKINSON T A	792-9609	+6
	WILLIAMS E	798-2414	3
	WILLIAMS JAS D	798-0421	+6
	WILLIAMS MICHAEL	798-2414	
	ZEIDLER T L	793-5573	3
1075			
1175	XXXX	00	
1189	LEE ROOFING CO	793-3185	9
*	55 BUS 92 RES	49 NEW	

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KANSAS ST 1980

300	★ **ROYALITE PLASTICS**	**793-3121**	**+0**
625	..... COLONIAL PALMS		
4	BRIDGES A D	793-5498	6
	★ **COLONIAL PALMS APTS**	**793-5498**	**6**
	COOK LOREN	792-1838	+0
	CROWLEY KEITH A	792-0202	9
3	FULTON MERLIN M	793-3708	6
	HART LYNN	792-5577	+0
	HAVENS BILL	793-4661	6
	KELDER CORNELIS	793-0740	8
	MICKELSEN BRENDA	792-9666	8
	MICKELSON GARY D	792-9666	+0
	MILLER WILBUR PHIL	792-3839	7
	RICHARDS SYLVAN	793-9849	9
	WARREN JOHN L	793-4641	6
625	.....		
10811	ANDERSON R W	792-6886	
10843	KIMM ALEX	792-9687	
10924	XXXX	00	
11003	XXXX	00	
11018	KELLAR ALBERT	793-0225	8
11029	VANGROUW LUCINDA	792-3498	9
11047	BISHOP ROBT A	792-6501	
11057	AVILA JESS	792-5752	
11190	RIENKS BERT	792-2850	+0
	★ 3 BUS 21 RES 6 NEW		

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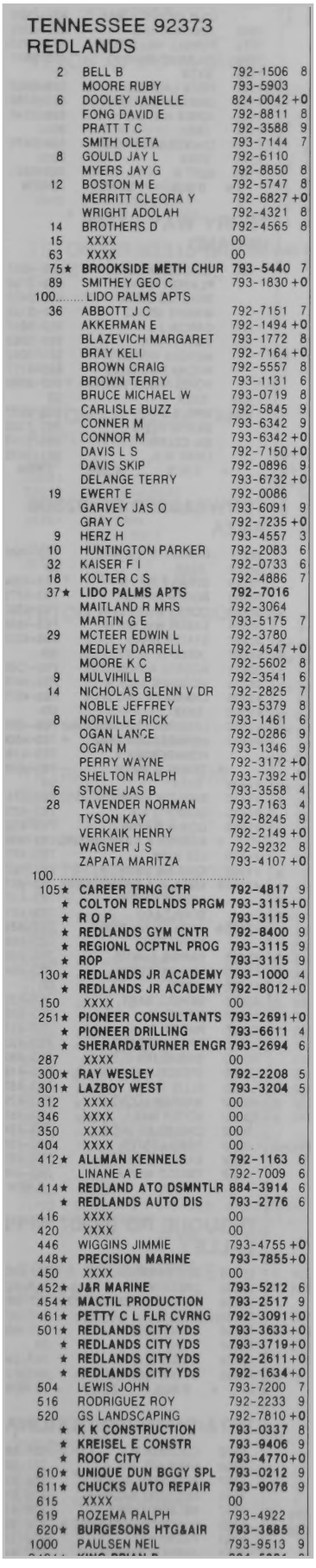
TENNESSEE ST 1980



TENNESSEE 92373
REDLANDS

2	BELL B	792-1506	8
	MOORE RUBY	793-5903	
6	DOOLEY JANELLE	824-0042	+0
	FONG DAVID E	792-8811	8
	PRATT T C	792-3588	9
	SMITH OLETA	793-7144	7
8	GOULD JAY L	792-6110	
	MYERS JAY G	792-8850	8
12	BOSTON M E	792-5747	8
	MERRITT CLEORA Y	792-6827	+0
	WRIGHT ADOLAH	792-4321	8
14	BROTHERS D	792-4565	8
15	XXXX	00	
63	XXXX	00	
75★	**BROOKSIDE METH CHUR**	**793-5440**	7
89	SMITHEY GEO C	793-1830	+0
100	LIDO PALMS APTS		
36	ABBOTT J C	792-7151	7
	AKKERMAN E	792-1494	+0
	BLAZEVICH MARGARET	793-1772	8
	BRAY KELI	792-7164	+0
	BROWN CRAIG	792-5557	8
	BROWN TERRY	793-1131	6
	BRUCE MICHAEL W	793-0719	8
	CARLISLE BUZZ	792-5845	9
	CONNER M	793-6342	9
	CONNOR M	793-6342	+0
	DAVIS L S	792-7150	+0
	DAVIS SKIP	792-0896	9
	DELANGE TERRY	793-6732	+0
19	EWERT E	792-0086	
	GARVEY JAS O	793-6091	9
	GRAY C	792-7235	+0
9	HERZ H	793-4557	3
10	HUNTINGTON PARKER	792-2083	6
32	KAISER F I	792-0733	6
18	KOLTER C S	792-4886	7
37★	**LIDO PALMS APTS**	**792-7016**	
	MAITLAND R MRS	792-3064	
	MARTIN G E	793-5175	7
29	MCTEER EDWIN L	792-3780	
	MEDLEY DARRELL	792-4547	+0
	MOORE K C	792-5602	8
9	MULVIHILL B	792-3541	6
14	NICHOLAS GLENN V DR	792-2825	7
	NOBLE JEFFREY	793-5379	8
8	NORVILLE RICK	793-1461	6
	OGAN LANCE	792-0286	9
	OGAN M	793-1346	9
	PERRY WAYNE	792-3172	+0
	SHELTON RALPH	793-7392	+0
6	STONE JAS B	793-3558	4
28	TAVENDER NORMAN	793-7163	4
	TYSON KAY	792-8245	9
	VERKAIK HENRY	792-2149	+0
	WAGNER J S	792-9232	8
	ZAPATA MARITZA	793-4107	+0
100			
105★	**CAREER TRNG CTR**	**792-4817**	9
★	**COLTON REDLNDS PRGM**	**793-3115**	+0
★	**R O P**	**793-3115**	9
★	**REDLANDS GYM CNTR**	**792-8400**	9
★	**REGIONL OCPTNL PROG**	**793-3115**	9
★	**ROP**	**793-3115**	9
130★	**REDLANDS JR ACADEMY**	**793-1000**	4
★	**REDLANDS JR ACADEMY**	**792-8012**	+0
150	XXXX	00	
251★	**PIONEER CONSULTANTS**	**793-2691**	+0
★	**PIONEER DRILLING**	**793-6611**	4
★	**SHERARD&TURNER ENGR**	**793-2694**	6
287	XXXX	00	
300★	**RAY WESLEY**	**792-2208**	5
301★	**LAZBOY WEST**	**793-3204**	5
312	XXXX	00	
346	XXXX	00	
350	XXXX	00	
404	XXXX	00	
412★	**ALLMAN KENNELS**	**792-1163**	6
	LINANE A E	792-7009	6
414★	**REDLAND ATO DSMNTLR**	**884-3914**	6
★	**REDLANDS AUTO DIS**	**793-2776**	6
416	XXXX	00	
420	XXXX	00	
446	WIGGINS JIMMIE	793-4755	+0
448★	**PRECISION MARINE**	**793-7855**	+0
450	XXXX	00	
452★	**J&R MARINE**	**793-5212**	6
454★	**MACTIL PRODUCTION**	**793-2517**	9
461★	**PETTY C L FLR CVRNG**	**792-3091**	+0
501★	**REDLANDS CITY YDS**	**793-3633**	+0
★	**REDLANDS CITY YDS**	**793-3719**	+0
★	**REDLANDS CITY YDS**	**792-2611**	+0
★	**REDLANDS CITY YDS**	**792-1634**	+0
504	LEWIS JOHN	793-7200	7
516	RODRIGUEZ ROY	792-2233	9
520	GS LANDSCAPING	792-7810	+0
★	**K K CONSTRUCTION**	**793-0337**	8
★	**KREISEL E CONSTR**	**793-9406**	9
★	**ROOF CITY**	**793-4770**	+0
610★	**UNIQUE DUN BGGY SPL**	**793-0212**	9
611★	**CHUCKS AUTO REPAIR**	**793-9076**	9
615	XXXX	00	
619	ROZEMA RALPH	793-4922	
620★	**BURGESONS HTG&AIR**	**793-3685**	8
1000	PAULSEN NEIL	793-9513	9

Target Street	Cross Street	Source
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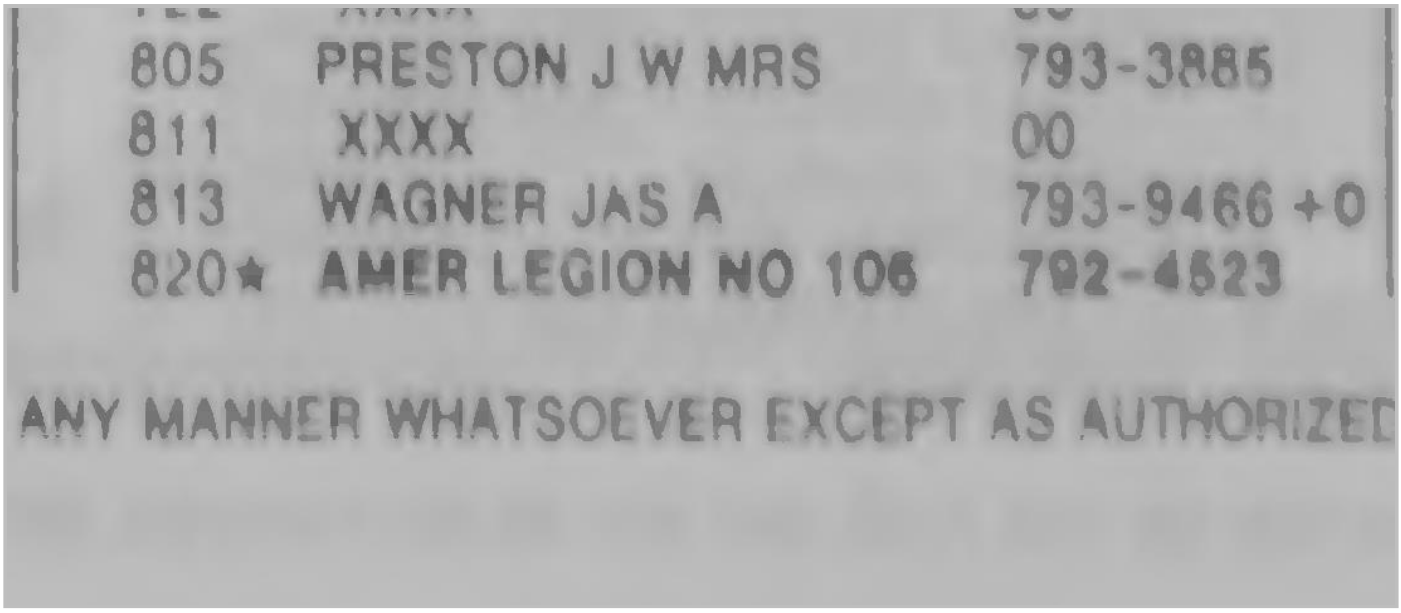
W PARK AVE 1980

PARK AV W 92373
REDLANDS

1005	IHRIG CARL W	793-3682	6
1019	HOAGLAND T L	792-3691	+0
1045★	KEVARI HJALMER&SONS	792-5652	6
1105★	CLARKS COLOR TV SRV	793-2988	6
C★	ODELL MFG CO	792-3455	6
1107★	A A A ALARM SYSTEMS	793-2194	+0
★	BRAZIL VAN&STORAGE	792-1555	6
A★	FLETCHER CARPET SRV	825-3154	+0
1113★	COMPRESSOR SERVICE	792-9285	6
B★	HUTCHISON MFG CO	793-2829	6
C	BURRIS VALLEY VENDI	792-5998	+0
1114★	L&J ENTERPRIZE	793-5982	+0
1114½★	ABLE PLUMBING CO	793-6050	+0
1120★	FLETCHER CARPET SV	792-7254	+0
1125★	MCINNES&BOLES INC	792-1183	6
C★	LOMA LNDA CHERRCO	792-4810	6
1143★	GREEN LAWN SPRINKLR	792-3508	6
	MARTINEZ ROBT	792-7351	6
	MYERS FRANCIS A	793-5750	9
★	NELSON ARNOLD E	792-3508	6
1165★	WILMS KART&MINI BKE	792-1781	6
1166	BRAGA FRANK J	792-4832	6
1166½	BRAGA FRANK JR	793-5926	6
1174	SLOAN A J	792-5886	7
1175	WANKO ED	792-6757	9
1182	JOHNSON STEVEN RAY	793-9385	9
1195★	WANKO MOTORS 3D INC	793-7166	9
1198	GARDNER BRUCE	792-6943	9
1209	XXXX	00	
1265	CASTILLO PAUL	793-3052	+0
11070★	BRAZIL VAN STORAGE	825-5171	8

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

W STATE ST 1980

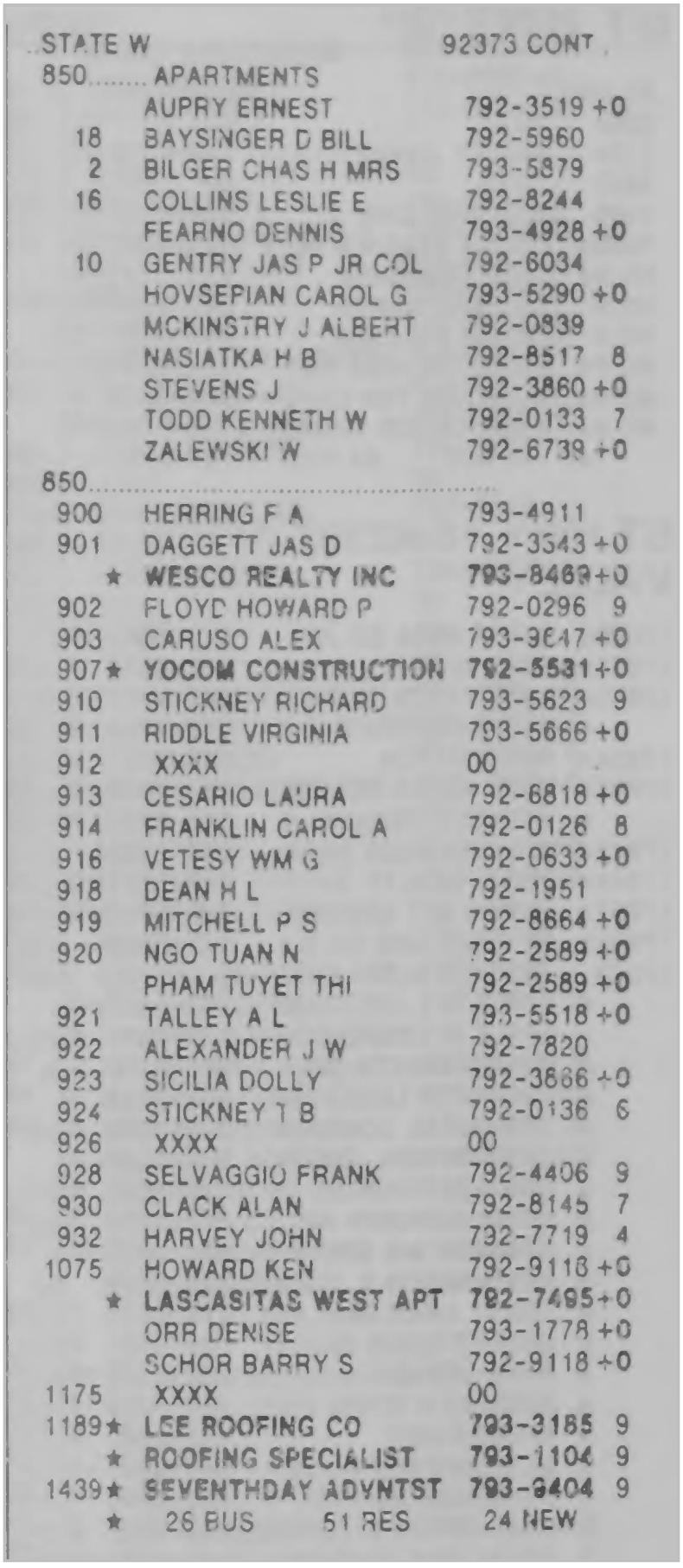


805 PRESTON J W MRS 793-3885
811 XXXX 00
813 WAGNER JAS A 793-9466 +0
820★ AMER LEGION NO 106 792-4523

ANY MANNER WHATSOEVER EXCEPT AS AUTHORIZED

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

W STATE ST 1980



..STATE W 92373 CONT

850.....	APARTMENTS	
	AUPRY ERNEST	792-3519 +0
18	BAYSINGER D BILL	792-5960
2	BILGER CHAS H MRS	793-5879
16	COLLINS LESLIE E	792-8244
	FEARNO DENNIS	793-4928 +0
10	GENTRY JAS P JR COL	792-6034
	HOVSEPIAN CAROL G	793-5290 +0
	MCKINSTRY J ALBERT	792-0839
	NASIATKA H B	792-8517 8
	STEVENS J	792-3860 +0
	TODD KENNETH W	792-0133 7
	ZALEWSKI W	792-6739 +0
850.....		
900	HERRING F A	793-4911
901	DAGGETT JAS D	792-3543 +0
★	WESCO REALTY INC	793-8469 +0
902	FLOYD HOWARD P	792-0296 9
903	CARUSO ALEX	793-3647 +0
907★	YOCOM CONSTRUCTION	792-5531 +0
910	STICKNEY RICHARD	793-5623 9
911	RIDDLE VIRGINIA	793-5666 +0
912	XXXX	00
913	CESARIO LAURA	792-6818 +0
914	FRANKLIN CAROL A	792-0126 8
916	VETESY WM G	792-0633 +0
918	DEAN H L	792-1951
919	MITCHELL P S	792-8664 +0
920	NGO TUAN N	792-2589 +0
	PHAM TUYET THI	792-2589 +0
921	TALLEY A L	793-5518 +0
922	ALEXANDER J W	792-7820
923	SICILIA DOLLY	792-3866 +0
924	STICKNEY T B	792-0136 6
926	XXXX	00
928	SELVAGGIO FRANK	792-4406 9
930	CLACK ALAN	792-8145 7
932	HARVEY JOHN	792-7719 4
1075	HOWARD KEN	792-9118 +0
★	LASCASITAS WEST APT	792-7495 +0
	ORR DENISE	793-1778 +0
	SCHOR BARRY S	792-9118 +0
1175	XXXX	00
1189★	LEE ROOFING CO	793-3185 9
★	ROOFING SPECIALIST	793-1104 9
1439★	SEVENTHDAY ADVNTST	793-8404 9
★	26 BUS 51 RES	24 NEW

Target Street	Cross Street	Source
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KANSAS ST 1976

```
 625....COLONIAL PALMS APTS
       AGCAOILI ART JR          793-5230+6
       BRIDGES A D              793-5498+6
      *COLONIAL PALMS APTS      793-5498+6
       FULTON MERLIN M          793-3708+6
       HAVENS BILL              793-4661+6
       JONES MELANIE            793-1072+6
       LARSON G                 792-5973+6
       WARREN JOHN L            793-4641+6
 625.....................
10616  PHARE T CLYDE            792-6421
10795  CLARKE FREDRICK          792-5880  4
10811  ANDERSON R W             792-6886
10843  KIMM ALEX                792-9687
10924   XXXX                    OO
11003   XXXX                    OO
11018  HAZE ROLY                792-1738+6
11029  HARBERTS JACOB           792-6570
11047  BISHOP ROBT A            792-6501
11057  AVILA JESS               792-5752
     *    2 BUS    20 RES     12 NEW
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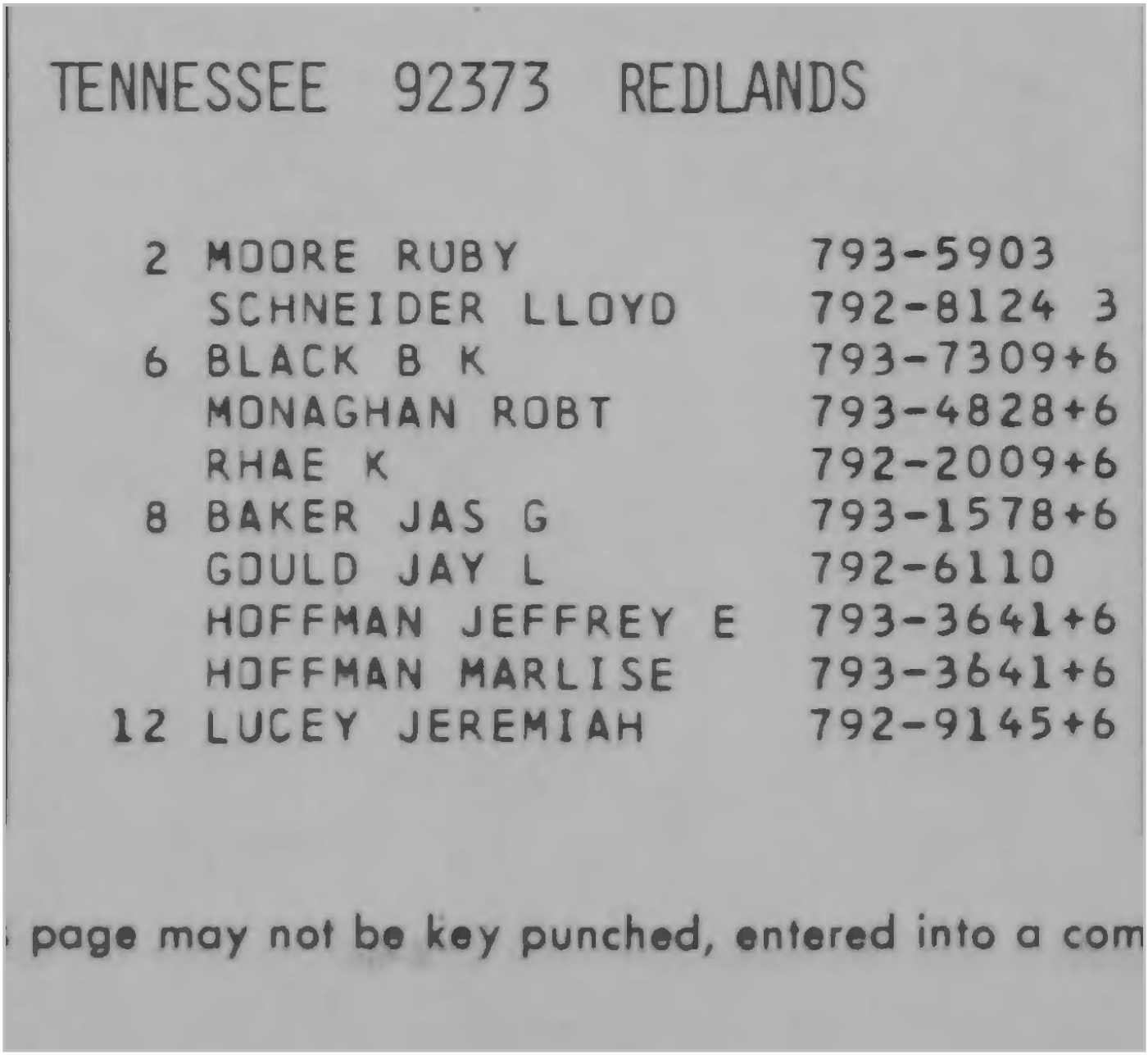
Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

TENNESSEE ST 1976



TENNESSEE 92373 REDLANDS

2	MOORE RUBY	793-5903
	SCHNEIDER LLOYD	792-8124 3
6	BLACK B K	793-7309+6
	MONAGHAN ROBT	793-4828+6
	RHAE K	792-2009+6
8	BAKER JAS G	793-1578+6
	GOULD JAY L	792-6110
	HOFFMAN JEFFREY E	793-3641+6
	HOFFMAN MARLISE	793-3641+6
12	LUCEY JEREMIAH	792-9145+6

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Target Street	Cross Street	Source
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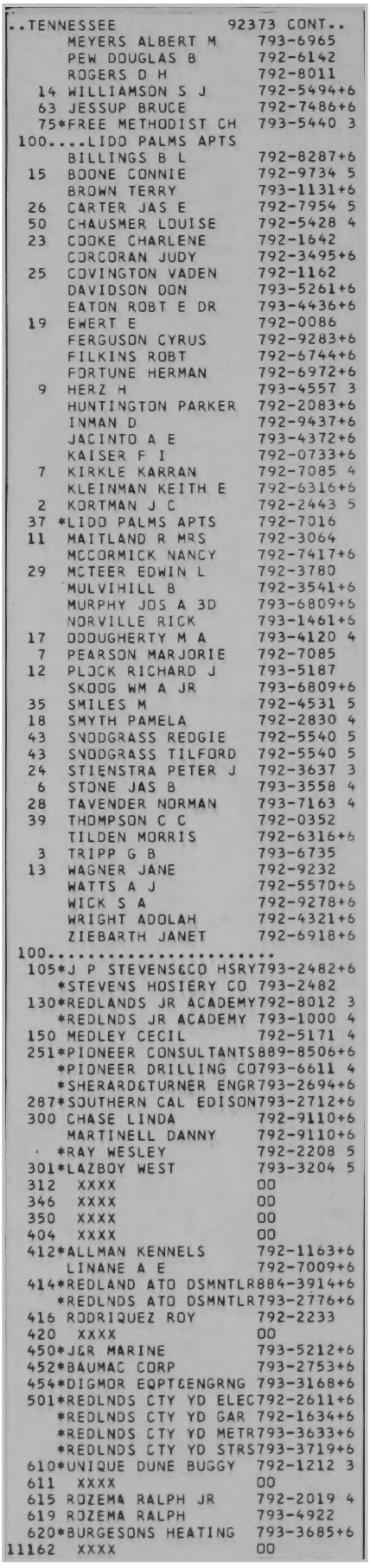
TENNESSEE ST 1976



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..TENNESSEE                92373 CONT..
      MEYERS ALBERT M      793-6965
      PEW DOUGLAS B        792-6142
      ROGERS D H           792-8011
   14 WILLIAMSON S J       792-5494+6
   63 JESSUP BRUCE         792-7486+6
   75*FREE METHODIST CH    793-5440 3
  100....LIDO PALMS APTS
      BILLINGS B L         792-8287+6
   15 BOONE CONNIE         792-9734 5
      BROWN TERRY          793-1131+6
   26 CARTER JAS E         792-7954 5
   50 CHAUSMER LOUISE      792-5428 4
   23 COOKE CHARLENE       792-1642
      CORCORAN JUDY        792-3495+6
   25 COVINGTON VADEN      792-1162
      DAVIDSON DON         793-5261+6
      EATON ROBT E DR      793-4436+6
   19 EWERT E              792-0086
      FERGUSON CYRUS       792-9283+6
      FILKINS ROBT         792-6744+6
      FORTUNE HERMAN       792-6972+6
    9 HERZ H               793-4557 3
      HUNTINGTON PARKER    792-2083+6
      INMAN D              792-9437+6
      JACINTO A E          793-4372+6
      KAISER F I           792-0733+6
    7 KIRKLE KARRAN        792-7085 4
      KLEINMAN KEITH E     792-6316+6
    2 KORTMAN J C          792-2443 5
   37 *LIDO PALMS APTS     792-7016
   11 MAITLAND R MRS       792-3064
      MCCORMICK NANCY      792-7417+6
   29 MCTEER EDWIN L       792-3780
      MULVIHILL B          792-3541+6
      MURPHY JOS A 3D      793-6809+6
      NORVILLE RICK        793-1461+6
   17 ODOUGHERTY M A       793-4120 4
    7 PEARSON MARJORIE     792-7085
   12 PLOCK RICHARD J      793-5187
      SKOOG WM A JR        793-6809+6
   35 SMILES M             792-4531 5
   18 SMYTH PAMELA         792-2830 4
   43 SNODGRASS REDGIE     792-5540 5
   43 SNODGRASS TILFORD    792-5540 5
   24 STIENSTRA PETER J    792-3637 3
    6 STONE JAS B          793-3558 4
   28 TAVENDER NORMAN      793-7163 4
   39 THOMPSON C C         792-0352
      TILDEN MORRIS        792-6316+6
    3 TRIPP G B            793-6735
   13 WAGNER JANE          792-9232
      WATTS A J            792-5570+6
      WICK S A             792-9278+6
      WRIGHT ADOLAH        792-4321+6
      ZIEBARTH JANET       792-6918+6
  100.....................
  105*J P STEVENS&CO HSRY793-2482+6
     *STEVENS HOSIERY CO 793-2482
  130*REDLANDS JR ACADEMY792-8012 3
     *REDLNDS JR ACADEMY 793-1000 4
  150 MEDLEY CECIL       792-5171 4
  251*PIONEER CONSULTANTS889-8506+6
     *PIONEER DRILLING CO793-6611 4
     *SHERARD&TURNER ENGR793-2694+6
  287*SOUTHERN CAL EDISON793-2712+6
  300 CHASE LINDA        792-9110+6
      MARTINELL DANNY    792-9110+6
     *RAY WESLEY         792-2208 5
  301*LAZBOY WEST        793-3204 5
  312  XXXX              OO
  346  XXXX              OO
  350  XXXX              OO
  404  XXXX              OO
  412*ALLMAN KENNELS     792-1163+6
      LINANE A E         792-7009+6
  414*REDLAND ATO DSMNTLR884-3914+6
     *REDLNDS ATO DSMNTLR793-2776+6
  416 RODRIQUEZ ROY      792-2233
  420  XXXX              OO
  450*J&R MARINE          793-5212+6
  452*BAUMAC CORP         793-2753+6
  454*DIGMOR EQPT&ENGRNG 793-3168+6
  501*REDLNDS CTY YD ELEC792-2611+6
     *REDLNDS CTY YD GAR 792-1634+6
     *REDLNDS CTY YD METR793-3633+6
     *REDLNDS CTY YD STRS793-3719+6
  610*UNIQUE DUNE BUGGY  792-1212 3
  611  XXXX              OO
  615 ROZEMA RALPH JR    792-2019 4
  619 ROZEMA RALPH       793-4922
  620*BURGESONS HEATING  793-3685+6
11162  XXXX              OO
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W PARK AVE 1976

PARK AV W 92373 REDLANDS

1005	IRHIG CARL	793-3682+6
1019	TERRY LEE	792-6487+6
1045	*KEVARI HJALMER&SONS	792-5652+6
1105	*CLARKS COLOR TV SV	793-2988+6
	C*ODELL MFG CO	792-3455+6
	D*GOULD INDUSTRIES	792-9220+6
1107	*BRAZIL VAN&STORAGE	792-1555+6
1113	*COMPRESSOR SERV CO	792-9285+6
	B*HUTCHISON MFG CO	793-2829+6
	C*VALLEY VENDING CO	792-5998+6
1114	*MARIOS GOLF SHOP	793-3286+6
1125	*MCINNES&BOLES INC	792-1183+6
	C*LOMA LINDA CHERRCO	792-4810+6
1143	*GREEN LAWN SPRINKLR	792-3508+6
	JARAMILLO V	792-4582+6
	JONES WM	793-6887+6
	MARTINEZ ROBT	792-7351+6
	*NELSON ARNOLD E	792-3508+6

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W PARK AVE 1976

..PARK AV W 92373 CONT..

1165	*WILMS KART&MINI BKE	792-1781+6
1166	BRAGA FRANK J	792-4832+6
1166½	BRAGA FRANK JR	793-5926+6
1182	KRAMER DENNIS	792-5076+6
1195	DAY ARTHUR M	792-4971+6
1198	MULVANEY JOHNNEY	792-6892+6
1209	CASTILLO PAUL	793-3052+6
1405	XXXX	OO
1419	GONZALES DAVID	792-5255 5
1425	XXXX	OO
1427A	*NISSEN CO	793-1473+6
D	*BRAZIL VAN&STORAGE	825-5171+6
1428	XXXX	OO
1508	SLOAN A J	792-5886
1509	XXXX	OO
26511	ATZET RAY A	792-5075 3

Target Street	Cross Street	Source
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W STATE ST 1976

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 722  XXXX                    00
 805 PRESTON J W MRS          793-3885
 811 HARKINS JO               792-8400 4
 813 VARNER JOHN D LT         792-1514 5
 820*AMERICAN LGN NO 106      792-4523
850....APARTMENTS
  18  BAYSINGER D BILL        792-5960
   2  BILGER CHAS H MRS       793-5879
   3  BROVER HOWARD           792-5337 3
   1  BUERGER EDE             793-4125 5
  16  COLLINS LESLIE E        792-8244
  10  GENTRY JAS P JR COL     792-6034
  20  GIBBONS JOAN            792-4534 5
      GUTIERREZ LIZABETH      793-5524+6
      HARBIN NATHAN           792-6627+6
  17  MCKINSTRY J ALBERT      792-0839
      MOORE JEFF              792-6627+6
   8  MORELAND JANICE         792-8680 5
850.........................
 900 HERRING EARL             793-4911
 902  XXXX                    00
 910 HEINLE LYDIA D           792-0479 3
 912 SHIRCEL LOUIS            793-7255+6
 914  XXXX                    00
 916 STUBER JOHN              792-0238 5
 918 DEAN H L                 792-1951
 920 EARHART JAS D            792-8025+6
 922 ALEXANDER J W            792-7820
 924 STICKNEY T B             792-0136+6
 926  XXXX                    00
 928 HALFACRE STEVEN          792-7284+6
 930  XXXX                    00
 932 HARVEY JOHN              792-7719 4
1175 GARDNER HAROLD L         792-6845+6
1189*LEE ROOFING CO           824-0050+6
1430 BARNES E F               793-0607+6
     CATHERS W E              793-0600 3
1445  XXXX                    00
    *  41 BUS   54 RES   19 NEW
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Target Street	Cross Street	Source
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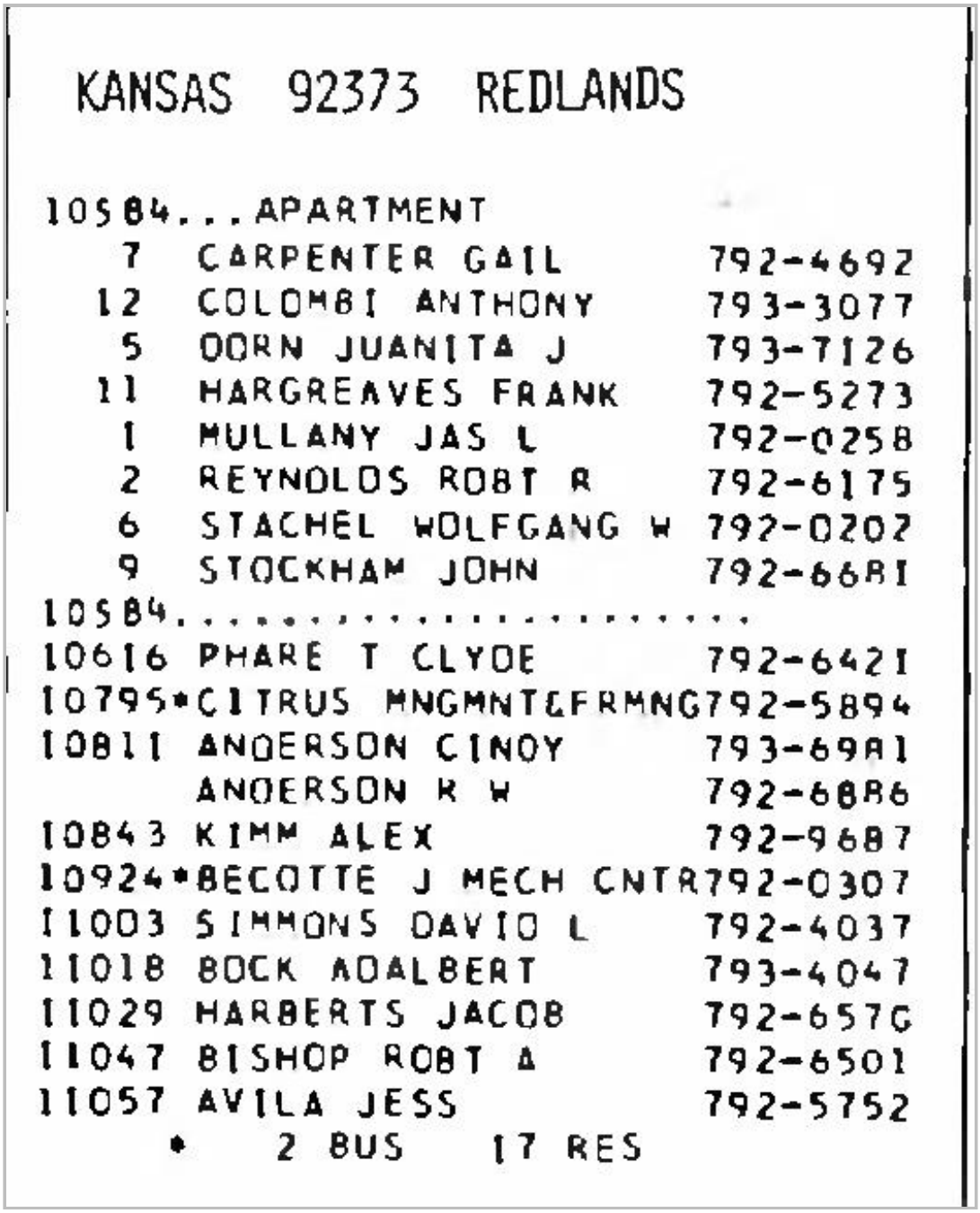
KANSAS ST 1971



KANSAS 92373 REDLANDS

10584	...APARTMENT	
7	CARPENTER GAIL	792-4692
12	COLOMBI ANTHONY	793-3077
5	OORN JUANITA J	793-7126
11	HARGREAVES FRANK	792-5273
1	MULLANY JAS L	792-0258
2	REYNOLDS ROBT R	792-6175
6	STACHEL WOLFGANG W	792-0202
9	STOCKHAM JOHN	792-6681
10584	.....	
10616	PHARE T CLYDE	792-6421
10795*	CITRUS MNGMNT&FRMNG	792-5894
10811	ANDERSON CINDY	793-6981
	ANDERSON R W	792-6886
10843	KIMM ALEX	792-9687
10924*	BECOTTE J MECH CNTR	792-0307
11003	SIMMONS DAVID L	792-4037
11018	BOCK ADALBERT	793-4047
11029	HARBERTS JACOB	792-657G
11047	BISHOP ROBT A	792-6501
11057	AVILA JESS	792-5752

* 2 BUS 17 RES

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TENNESSEE ST 1971

TENNESSEE 92373 REDLANDS

2	GUCHES LARRY R	792-7523
	HINGULA JOHN	792-6749
	*MOORE RUBY	793-5903
	NUMBERS RONALD	793-6880
6	COOK CHAS H	793-1349
	MAKIELSKI DENNIS J	792-6513
	SMOTHERS ROBT W	792-3625
8	ESPINOSA FEDERICO	793-5259
	GORMAN ROBT G	793-3524
	GOULD JAY L	792-6110
	STEFANEK F K	793-7342
12	BECKER GERALD L	792-5586
	MEYERS ALBERT M	793-6965
	PEW DOUGLAS B	792-6142
	RDGERS O H	792-8011
14	BOYD FERRELL	792-4482
100	....LIDO PALMS APTS	
16	BOBINER BRUCE F	792-0063
8	BRINKERHOFF R S	792-1890
28	CLARK ROSS J	793-1541
55	COOKE CHARLENE	792-1642
	COOPER NANCY	792-8657
25	COVINGTON VADEN	792-1162
18	CUBBAGE C F	793-6906
42	CUKAR TOM	792-2507
47	DEEN MARY P	793-6388
24	OOOD LARRY J	793-6062
50	OONEY EO K	793-7154
16	EISENBIES CHAS R	792-0063
19	EWERT E	792-0086
37	FORBES STUART G	792-2755
46	GIBSON B R	792-8549
27	HAISLIP JIM	792-6590
51	HANSEN TIMOTHY J	793-5447
4	HATCHELL M P	793-4589
15	HAUSER TOM B	792-6159
27	HOOGES ROBT	792-6590
45	JOHNSON JAS C	792-6389
	*LIOD PALMS APTS	792-7016
54	MACIOGE RUDY	792-3658
44	MADSEN WM R	792-0308
11	MAITLAND R MRS	792-3064
29	MCTEER EDWIN L	792-3780
5	MILLER O LARRY	792-4666
30	MONTGOMERY M L	793-3919
52	MORRISON MELVIN E	792-8142
6	OBRIEN W JACK	793-3872
23	OLIVER CAROL	793-5664
32	PATTERSON SHIRLEY	792-6602
7	PEARSON MARJORIE	792-7085
9	PECK B J	792-3554
1	*PIERCE GUY W	792-7070
21	PLOCK HENRY J	792-4637
12	PLOCK RICHARD J	793-5187
7	ROBERTS KAYE	792-7085
	RUNNER LAWRENCE	792-0454
49	SAUNDERS EDW H	792-0940
39	THOMPSON C C	792-0352
38	TOMAS HARRY A	793-6974
14	TRIPP G B	793-6735
13	WAGNER JANE	792-9232
43	YORK JOHN	793-3805
20	YOUNG C STAN	793-5647
100	.....	
105	*J P STEVENS&CO	793-2482
	*STEVENS HOSIERY CO	793-2482
130	*REDLANDS JR ACADEMY	793-1000
150	GARDNER RALPH	793-5978

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Target Street	Cross Street	Source
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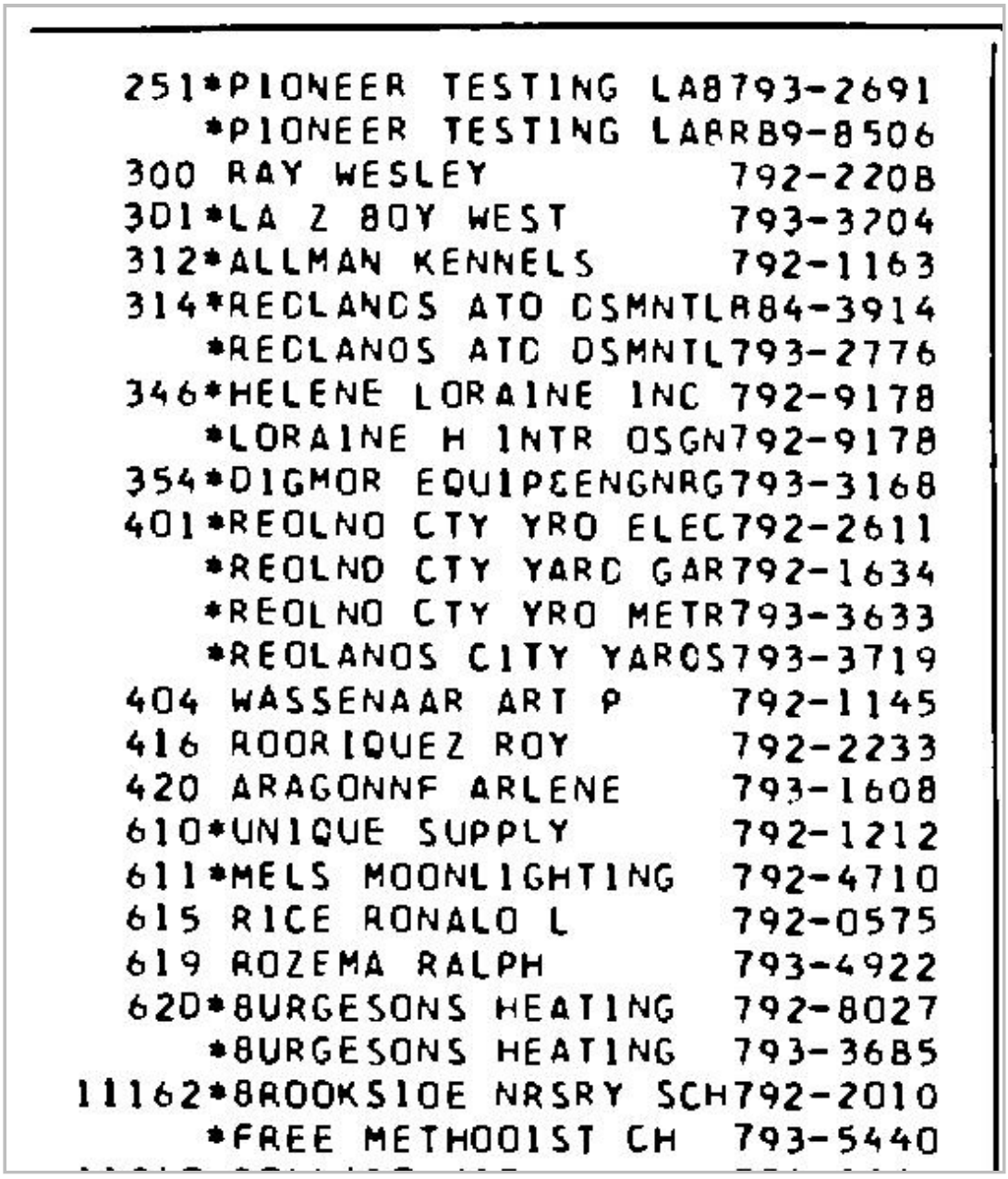
TENNESSEE ST 1971



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  251*PIONEER TESTING LA8793-2691
     *PIONEER TESTING LABRB9-8506
  300 RAY WESLEY          792-2208
  301*LA Z BOY WEST       793-3204
  312*ALLMAN KENNELS      792-1163
  314*RECLANCS ATO CSMNTLR84-3914
     *RECLANOS ATC OSMNTL793-2776
  346*HELENE LORAINE INC  792-9178
     *LORAINE H INTR OSGN792-9178
  354*DIGMOR EQUIPCENGNRG793-3168
  401*REOLNO CTY YRO ELEC792-2611
     *REOLND CTY YARC GAR792-1634
     *REOLNO CTY YRO METR793-3633
     *REOLANOS CITY YAROS793-3719
  404 WASSENAAR ART P     792-1145
  416 ROORIQUEZ ROY       792-2233
  420 ARAGONNF ARLENE     793-1608
  610*UNIQUE SUPPLY        792-1212
  611*MELS MOONLIGHTING   792-4710
  615 RICE RONALO L       792-0575
  619 ROZEMA RALPH        793-4922
  62D*BURGESONS HEATING   792-8027
     *BURGESONS HEATING   793-3685
11162*BROOKSIOE NRSRY SCH792-2010
     *FREE METHOOIST CH   793-5440
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Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

W PARK AVE 1971

PARK AV W 92373 REDLANDS

1405	IHRIG CARL W	793-3682
1409	BLANKENSHIP B	793-6394
1415	*KEVARI HJALMERSONS	792-5652
1425	*CLARKS COLOR TV SV	793-2988
	B*COMPRESSOR SERV CO	792-9285
	C*OOFLL MFG CO	792-3455
	D*GOULO INDUSTRIES	792-9220
1427	*CLOORADO PLASTERING	792-5413
	D*BRAZIL VANSTORAGE	792-1555

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W PARK AVE 1971

1428	•MARIOS GOLF SHOP	792-6767
1432	•CHOATES AUTO SUPPLY	793-2515
1433R	•HUTCHISON MFG CO	792-5C05
C	•VALLEY VENDING CO	792-5998
1435C	•LOMA LINDA CHERRCO	792-4R10
1443	JONES WM	793-6AA7
1446	WILMS HARRY JR	792-17A1
1496	SAXTON JACQUELYN	792-7605
1504	BRAGA FRANK J	792-4832
150H	SLOAN A J	792-5886
1509	CASTILLO PAUL	793-3057
1512	VELASQUEZ PETE	792-9555
1516	MULVANEY JOHNNEY	792-0152
1615	OWEN F R	793-309A
26511	PERREY RICHARD CAPT	793-4554

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

W STATE ST 1971

722 GRAY ESTHER 792-7437
805 PRESTON J W MRS 793-3885

cept as authorized in writing by Haines & Co., Inc.

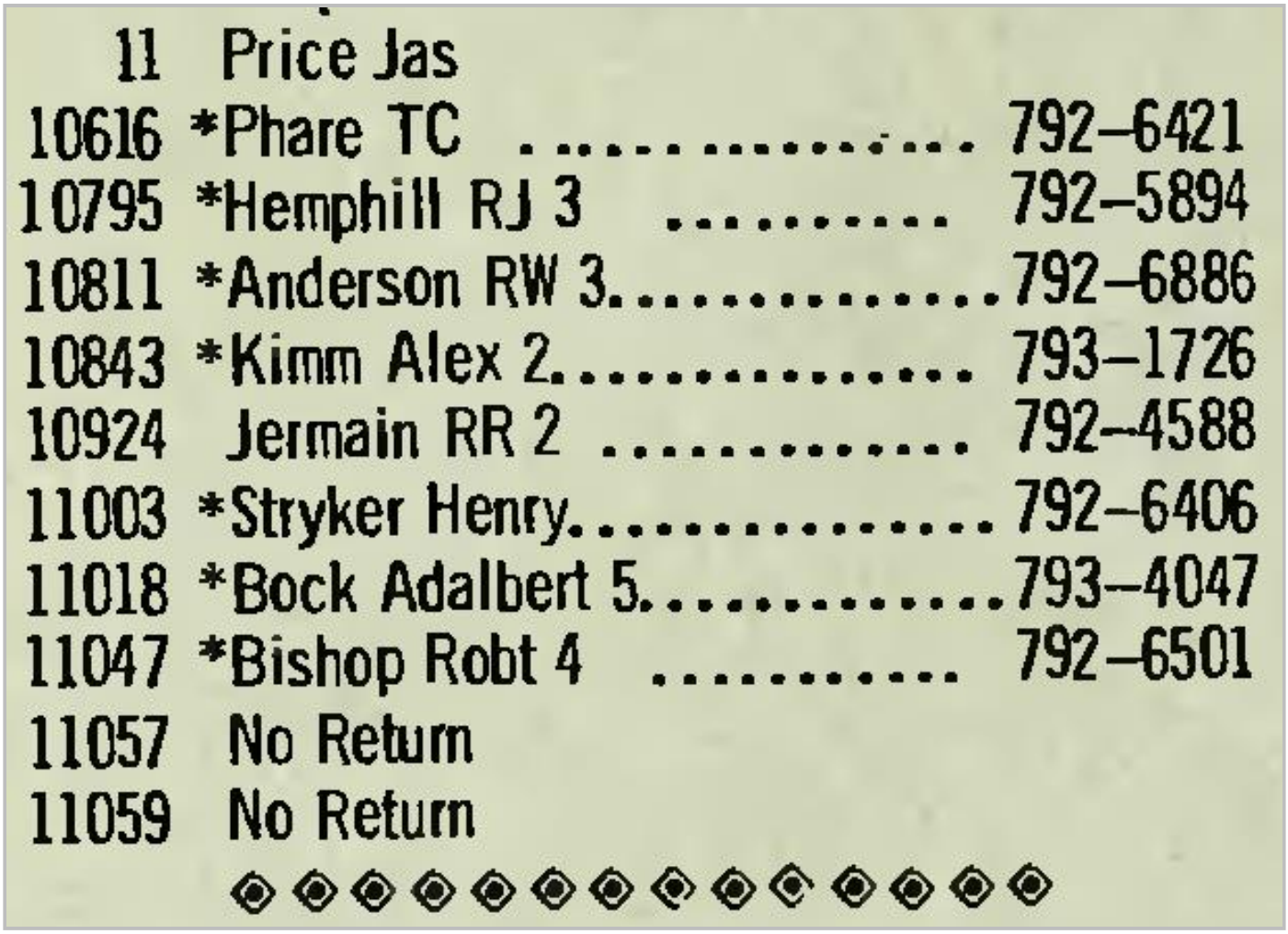
Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

W STATE ST 1971

```
  820*AMERICAN LGN ND 106792-4523
M50.....APARTMENTS
   M   AUBRY L F JEFF        792-6254
  1P   BAYSINGER D BILL      792-5960
   2   BILGER CHAS H MRS      793-5879
  19   CLARKE JOHN M MRS      793-3849
  16   COLLINS LESLIE E       792-8244
  10   GENTRY JAS P JR COL    792-6034
  14   HINCKLEY GEO S MRS     792-4836
   1   HOWARD ALVIN H         792-923H
   7   KIMM HARVEY L          792-6187
  17   MCKINSTRY J ALBERT     792-0839
   6   MOORE FRANK W MRS      792-6311
   3   NICHOLS RALPH A        792-9477
     *TACKETT LINLA           793-6643
650.....
  9C0  HERRING EARL           793-4911
  902  AMUNDSON WALLACE L     792-0345
  910  BROBAKER H L           792-1089
  914  HARVEY JOHN            792-7719
  916  ROTHENBERGER F H       793-1736
  91P  DEAN H L               792-1951
  920  DYE DEAN LERCY         792-2440
  927  ALEXANDER J W          792-7820
  926  TRAVIS HARRY           792-8356
 1445  LEE ARLINE             792-1857
 1449* LEE ROOFING CO         793-3185
27045  LOEHRER FRANK JR       792-7041
       SMITH RALPH            792-7041
     *  45 BUS   33 RES
```

Target Street	Cross Street	Source
✓	-	Luskey Brothers & Co.

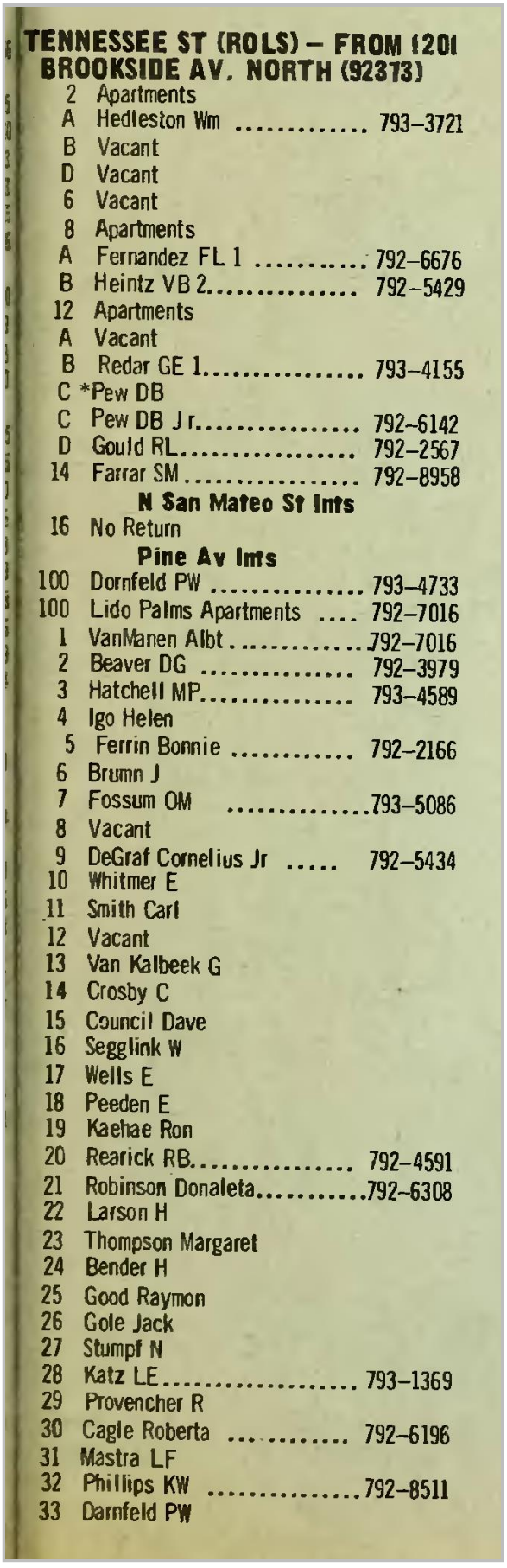
KANSAS ST 1965



11	Price Jas	
10616	*Phare TC	792–6421
10795	*Hemphill RJ 3	792–5894
10811	*Anderson RW 3	792–6886
10843	*Kimm Alex 2	793–1726
10924	Jermain RR 2	792–4588
11003	*Stryker Henry	792–6406
11018	*Bock Adalbert 5	793–4047
11047	*Bishop Robt 4	792–6501
11057	No Return	
11059	No Return	

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

TENNESSEE ST 1965



TENNESSEE ST (ROLS) – FROM 1201 BROOKSIDE AV. NORTH (92373)

2 Apartments
A Hedleston Wm 793–3721
B Vacant
D Vacant
6 Vacant
8 Apartments
A Fernandez FL 1 792–6676
B Heintz VB 2..... 792–5429
12 Apartments
A Vacant
B Redar GE 1..... 793–4155
C *Pew DB
C Pew DB Jr..... 792–6142
D Gould RL..... 792–2567
14 Farrar SM..... 792–8958

N San Mateo St Ints

16 No Return

Pine Av Ints

100 Dornfeld PW 793–4733
100 Lido Palms Apartments 792–7016
1 VanManen Albt.....792–7016
2 Beaver DG 792–3979
3 Hatchell MP..... 793–4589
4 Igo Helen
5 Ferrin Bonnie 792–2166
6 Brumn J
7 Fossum OM 793–5086
8 Vacant
9 DeGraf Cornelius Jr 792–5434
10 Whitmer E
11 Smith Carl
12 Vacant
13 Van Kalbeek G
14 Crosby C
15 Council Dave
16 Segglink W
17 Wells E
18 Peeden E
19 Kaehae Ron
20 Rearick RB..... 792–4591
21 Robinson Donaleta.....792–6308
22 Larson H
23 Thompson Margaret
24 Bender H
25 Good Raymon
26 Gole Jack
27 Stumpf N
28 Katz LE..... 793–1369
29 Provencher R
30 Cagle Roberta 792–6196
31 Mastra LF
32 Phillips KW 792–8511
33 Darnfeld PW

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

TENNESSEE ST 1965

34 Swarts AF
35 Vacant
36 Curtis Bernice
37 Stamp Halsey
38 Vacant
40 Walker J
41 Vacant
42 McGuire Wm
43 Vacant
44 Vacant
46 Vacant
47 Briant A
48 Main Harry 792–5123
49 McPherson Jas
50 Shunk T
51 Vacant
52 Lloyd Richd
53 Hiltgen NJ
54 Hughes L
55 Vacant
56 Sprague B

W State St Ints

130 Redlands Junior Academy ...793–1000
150 *Gardner Ralph..... 793–5978
240 No Return
270 No Return
288 Sou Calif Edison Co Serv Cen 793–2153
300 RayWesleyPipeLines 792–2208
300 Ray Wesley Pipe Line792–2618
300 Ray NC..... 792–2618
312 Allman Kennel 792–1163
312 Allman Kennels 792–1163
312 *Allman DW 1 792–1163
314 Hall HG 2
316 Trombly NC carpenter
316 Apartments
1 Trombly NC 2
2 While CL 2 793–5241
3 Davis HF
4 Burns KL 792–5028
320 Reed's Kennels 793–4679
320 *Reed Charlie 793–4679
340 *Womack GH 2 792–3773
350 Castillo PL 1.....793–3052
354 General Equip Exch tire mold .792–7609

Park Av Ints

395 Thompson RL 8
404 *Wassenaar AP 1 792–1145
416 Rodriguez Roy 2.....792–2233
420 No Return

W Redlands Bl Ints

610 Grossman's New&Used Auto ..793–4924
615 Vacant
619 *Razema Ralph 793–4922

W Colton Av Ints

9684 Braaksma Elliott hay bucker..792–2727

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

W PARK AVE 1965

PARK AV (RDLS) – FROM 399 NEW YORK ST, WEST (92373)

1405 *Ihrig CW
1409 Shockley Frank
1411 Kevari H & Sons Contracting .. 792–5652
1411 Kevari Hl 792–5652
1420 Karper JE 3
1425 Heemstra Ray Signs.....792–2238
1425 Buildings
B Hartwick Custom Cabinets ...792–7695
C O'Dell Mfg Co sheet metal 792–3455
D Morey's Van & Storage 792–4138
1426 Wallace Drywall dry wall contr
1428 Jones Glass Co 793–5735
1428 Jones Glass Co 793–5735
1428 Mario's Golf Repair ..792–6767
1428 Mario's Golf Repair Shop.....792–6767
1430 Choate'sAutoSupply .793–2927
1430 Choate'sAutoSupply 792–6664
1432 Choate's Auto Supply 792–6664
1432 Choate's Auto Supply 793–2927
1433 Barton Prestige Pools792–4769
1433 Barton Prestige Pools883–7617
A Barton Prestige Pools 792–4769
1433 Clark-Moeskau Electronics .. 792–8051
1433 Tucker Frank B 883–7617
1433 Tucker Frank B 792–4769
1433 TuckerFB(BartonPrestigePools)883–7617

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

W PARK AVE 1965

1433 TuckerFB(BartonPrestigePools)792–476?
1433 Buildings
B CalifWstrnDistCowhsle hdw.. 793–480?
C Floor Coverings
D Citation Construction Corp
1434 McNamee CE
1435 Century Shower Door Co 792–8321
1435 Buildings
A Hill-Tops drain boards 793–1073
B Pioneer Testing Laby Inc ... 793–2691
C Redlum Research corp feed sup793–4022
1437 Redlands Auto Serv-Heinz .. 792–8191
1443 Buildings
A Siebert LR Mrs 2
B Adams JD 3
C Howell RM 2 792–4720
1445 *Wilms HD 1 792–1781
1495 *Joostens Geo 2.....793–1443
1495 Joostens Anjo 4
1504 *Braga FJ 2..... 792–4832
1504½ Carroll MJ Mrs.....792–3073
1508 Sloan AJ..... 792–5886
1509 Garcia AS 3 792–7615
1512 Velasquez PT 2
1516 Simmons DL 3 792–8555

Tennessee St Ints

26511 *Burns FW 1..... 792–5393

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

W STATE ST 1965

Center St Ints

805 Preston JW Mrs
820 American Gold Star Mothers...792–2184
820 AmericanLegionMaybelle.....792–7459
820 American Legion Post No 106..792–6461
820 American Legion Post No 106 796–6691
820 Knights of Columbus..... 792–4626
820 Navy Mothers.....792–8947
850 Barr GT.....792–4827
850 Hinckley GS Mrs 792–4836
850 Apartments
1 DeBlauw Margie 792–6991
2 Bilger CH Mrs 793–5879
4 No Return
5 Collins LE 792–8244
6 Vacant
7 Vacant
8 Stratton HM 792–4835
9 McMillan RF..... 792–3923
10 No Return
12 Vacant
14 Hinckley EP Mrs 792–4836
16 Baker Graham Mrs
17 McIntire JH
18 *Zimmer Ray 793–3678
19 Witham WA consulting eng... 792–2508
19 Witham WA 1..... 792–2508
20 Sidekottom RW.....793–3035
900 *Herring EE.....793–4911
902 No Return
902½ Smith RL 2
910 Vacant
912 Bernthaler Jeanette 792–8696
914 Norton MA Mrs 1 792–7833
916 Truesdell RB 1..... 792–8911
918 Dean Hazel..... 792–1951
920 Hofman GK 1 793–4471
922 Alexander JW.....792–7820
924 Utter DB 792–8220
926 No Return
928 Logsdon Dolores 793–4554
930 Prince Gilbert
932 *Radius CJ 3 793–5108

New York St Ints

1430 Calif Water & Telephone Co..793–2411
1439 Hicks KW 2.....793–3671
1449 Lee Roofing Co 793–3185
1449 Lee Roofing Co 793–3185
1445 Lee VH 793–3185

Tennessee St Ints

27045 Wagner MW 792–6104

APPENDIX F

EDR Radius Map Report with GeoCheck®

Duke - Tennessee/Kansas
301 Tennessee Ave
Redlands, CA 92373

Inquiry Number: 6882471.2s
March 03, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

301 TENNESSEE AVE
REDLANDS, CA 92373

COORDINATES

Latitude (North):	34.0564460 - 34ˆ 3' 23.20''
Longitude (West):	117.2012140 - 117ˆ 12' 4.37''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	481430.2
UTM Y (Meters):	3768238.2
Elevation:	1266 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12014994 REDLANDS, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
301 TENNESSEE AVE
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LA-Z-BOY WEST	301 TENNESSEE ST	San Bern. Co. Permit		TP
A2	LAZBOY WEST	301 TENNESSEE STREET	EMI, NPDES, CERS		TP
A3	LAZBOY WEST	301 TENNESSEE STREET	CIWQS		TP
A4	LA-Z-BOY	301 TENNESSEE ST	RCRA NonGen / NLR		TP
A5	301 TENNESSEE STREET	301 TENNESSEE STREET	HMIRS		TP
A6	LA-Z-BOY	301 TENNESSEE ST	HAZNET, HWTS		TP
A7	HAHAN CONTRACTORS	301 TENNESSEE ST	HAZNET, HWTS		TP
A8	LA-Z-BOY WEST	301 TENNESSEE ST	FINDS, ECHO		TP
B9	SOUTHERN CALIFORNIA	287 TENNESSEE ST	FINDS, ECHO	Higher	1 ft.
B10	SCE-REDLANDS	287 TENNESSEE ST	UST	Higher	1 ft.
B11	REDLANDS SERVICE CEN	287 TENNESSEE ST	AST, HIST UST, ENF	Higher	1 ft.
B12	SOUTHERN CALIFORNIA	287 TENNESSEE	ECHO	Higher	1 ft.
B13	SUNWEST ENGINEERING	287 TENNESSEE ST	HAZNET, HWTS	Higher	1 ft.
B14	SOUTHERN CALIFORNIA	287 TENNESSEE ST	SWEEPS UST, HIST UST, CA FID UST, NPDES, CIWQS,...	Higher	1 ft.
B15	SCE REDLANDS SERVICE	287 TENNESSEE ST	CERS HAZ WASTE, CERS TANKS, HAZNET, San Bern. Co....	Higher	1 ft.
B16	SCE-REDLANDS SERVICE	287 TENNESSEE	AST	Higher	1 ft.
B17	SCE REDLANDS SERVICE	287 TENNESSEE ST	RCRA-LQG	Higher	1 ft.
B18	SOUTHERN CALIFORNIA	287 TENNESSEE	FINDS	Higher	1 ft.
B19	SOUTHERN CALIFORNIA	287 TENNESSEE STREET	HAULERS	Higher	1 ft.
B20	SOUTHERN CALIFORNIA	287 TENNESSEE	RCRA-LQG	Higher	1 ft.
B21	SOUTHERN CALIFORNIA	287 TENNESSEE ST	RCRA NonGen / NLR	Higher	1 ft.
B22	CENTRUM ANALYTICAL L	290 TENNESSEE ST	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	89, 0.017, ESE
B23	NYS/NEW, LLC	300 TENNESSEE ST	RCRA NonGen / NLR	Higher	106, 0.020, East
B24	WESLEY RAY AND SON I	300 TENNESSEE ST	HIST UST, San Bern. Co. Permit	Higher	106, 0.020, East
C25	BRONCS TOWING INC	380 KANSAS ST	RCRA NonGen / NLR	Lower	146, 0.028, WNW
C26	BRONCS TOWING INC	380 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Lower	146, 0.028, WNW
D27	UNIROYAL TECH CORP,	300 KANSAS ST	EMI, San Bern. Co. Permit	Lower	151, 0.029, West
D28	SPARTECH PLASTICS IN	300 KANSAS STREET	RCRA-SQG, FINDS, ECHO, HAZNET, CERS, HWTS	Lower	151, 0.029, West
D29	RETTIG MACHINE SHOP,	301 KANSAS STREET	RCRA NonGen / NLR	Lower	153, 0.029, West
D30	RETTIG MACHINE SHOP	301 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, WDS, CERS	Lower	153, 0.029, West
C31	HM INDUSTRIAL INC	377 KANSAS ST UNIT A	RCRA NonGen / NLR	Lower	175, 0.033, WNW
C32	FLAMBEAU INC	377 KANSAS STREET	San Bern. Co. Permit, CIWQS	Lower	175, 0.033, WNW
E33	CYCLERY USA INC DBA	415 TENNESSEE ST STE	RCRA NonGen / NLR	Higher	243, 0.046, NNE
C34	CHEP / CCPS	450 KANSAS ST STE 10	RCRA NonGen / NLR	Lower	247, 0.047, WNW
E35	DUTCH GIRL LAUNDRY &	414 TENNESSEE ST STE	EDR Hist Cleaner	Higher	396, 0.075, NNE
E36	DUTCH GIRL DRY CLEAN	414 TENNESSEE ST STE	DRYCLEANERS, HAZNET, HWTS	Higher	396, 0.075, NNE
E37	X-CELL LABORATORIES	414 TENNESSEE ST STE	RCRA NonGen / NLR	Higher	396, 0.075, NNE
E38	X-CELL LABORATORIES	414 TENNESSEE ST STE	San Bern. Co. Permit	Higher	396, 0.075, NNE
E39	DUTCH GIRL CLEANERS	414 TENNESSEE AVE ST	CERS HAZ WASTE, DRYCLEANERS, San Bern. Co. Permit,...	Higher	396, 0.075, NNE

MAPPED SITES SUMMARY

Target Property Address:
301 TENNESSEE AVE
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	REDLANDS CHRISTIAN M	251 TENESSEE ST	San Bern. Co. Permit	Higher	405, 0.077, SSE
F41	PIONEER CONSULTANTS	251 TENNESSEE ST	RCRA-SQG, HIST UST, FINDS, ECHO, CIWQS	Higher	405, 0.077, SSE
G42	AMERIACN GALVANO INC	421 KANSAS ST	RCRA NonGen / NLR	Lower	444, 0.084, WNW
G43	CHEP-REDLANDS	450 KANSAS STREET UN	San Bern. Co. Permit, CERS	Lower	510, 0.097, NW
44	EAST END HYDRO SHOP	298 KANSAS	RCRA-SQG	Lower	520, 0.098, WSW
H45	ANDY'S FORD SPECIALT	452 TENNESSEE ST	San Bern. Co. Permit	Higher	529, 0.100, NNE
H46	CALIFORNIA RIDER MOT	450 TENNESSEE ST	San Bern. Co. Permit	Higher	529, 0.100, NNE
H47	AUTO ANALYSTS	446 TENNESSEE ST	EDR Hist Auto	Higher	530, 0.100, NNE
H48	REDLANDS COLOR LAB	461 TENNESSEE ST F	San Bern. Co. Permit	Higher	539, 0.102, North
49	GTE / REDLANDS PLANT	1130 W STATE ST	SWEEPS UST, CA FID UST	Higher	640, 0.121, ESE
H50	SIMPLY TOYOTA	1195W W PARK AVE	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	672, 0.127, NNE
H51	CHUCK'S COMPLETE AUT	1195 PARK AVE	San Bern. Co. Permit	Higher	672, 0.127, NNE
H52	JOSEPH GURROLA DBA S	1195 W PARK AVE	RCRA NonGen / NLR	Higher	672, 0.127, NNE
H53	MAGNUM PERFORMANCE C	1195 W PARK AVE	San Bern. Co. Permit, HWTS	Higher	672, 0.127, NNE
54	CUSTOM MATERIAL SALE	1351 PARK AVE 105	San Bern. Co. Permit	Lower	699, 0.132, NNW
H55	REDLANDS AUTO ELECTR	1165 W PARK AVE	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Higher	716, 0.136, NNE
H56	REDLANDS AUTO ELECTR	1165 W PARK AVE	RCRA NonGen / NLR	Higher	716, 0.136, NNE
I57	REDLANDS CORPORATE Y	1270 PARK AVE	LUST, SWEEPS UST, CA FID UST, Cortese, HIST...	Higher	749, 0.142, North
I58	REDLANDS CITY	1270 W PARK AVE	CERS HAZ WASTE, CERS TANKS, EMI, San Bern. Co....	Higher	749, 0.142, North
I59	CI-REDLANDS CORP YRD	1270 W PARK AVE	UST	Higher	749, 0.142, North
I60	SOUTHERN CA FLEET SE	1270 W PARK AVE BLDG	RCRA NonGen / NLR	Higher	749, 0.142, North
I61	REDLANDS CORP YRD	1270 W PARK AVE	UST	Higher	749, 0.142, North
H62	CITY YARDS	501 TENNESSEE STREET	HIST UST	Higher	781, 0.148, NNE
H63	REDLANDS MAINTENANCE	501 TENNESSEE	RCRA-SQG	Higher	781, 0.148, NNE
J64	L & L TOWING	1143 PARK AVE	San Bern. Co. Permit	Higher	784, 0.148, NE
K65	PLANT #1 - DUNMOVIN		US MINES, ABANDONED MINES	Lower	807, 0.153, WNW
J66	HUTCHISON MANUFACTUR	1113 W PARK AVE B	San Bern. Co. Permit	Higher	850, 0.161, NE
K67	NATIONWIDE MARKETING	446 MISSOURI CT	San Bern. Co. Permit	Lower	865, 0.164, WNW
L68	SAN BERNARDINO COUNT	500 KANSAS AVE	RCRA NonGen / NLR	Lower	866, 0.164, NW
L69	HHW SATELLITE REDLAN	500 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Lower	866, 0.164, NW
L70	SAN BERNARDINO COUNT	500 KANSAS AVENUE	RCRA NonGen / NLR	Lower	866, 0.164, NW
M71	CONTINENTAL DATALABE	211 BUSINESS CENTER	CERS HAZ WASTE, HAZNET, NPDES, CERS, HWTS	Lower	900, 0.170, WSW
M72	CONTINENTAL DATALABE	211 BUSINESS CENTER	San Bern. Co. Permit	Lower	900, 0.170, WSW
M73	CONTINENTIAL DATALAB	211 BUSINESS CTR CT	RCRA-SQG, FINDS	Lower	900, 0.170, WSW
L74	JOE CORNETT	517 KANSAS ST.	RCRA NonGen / NLR	Lower	927, 0.176, NW
75	NOVA COACH	1445 PARK AVE	San Bern. Co. Permit	Lower	930, 0.176, NW
L76	PAR ELECTRICAL CONTR	525 KANSAS ST.	RCRA NonGen / NLR	Lower	952, 0.180, NW
N77	BRONCS TOWING INC.	1083 W PARK AVE	HAZNET, San Bern. Co. Permit, HWTS	Higher	1012, 0.192, NE
N78	BRONCS TOWING INC.	1083 W PARK AVE	RCRA NonGen / NLR	Higher	1012, 0.192, NE

MAPPED SITES SUMMARY

Target Property Address:
301 TENNESSEE AVE
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K79	THE SMART SHOP/ GL M	451 MISSOURI CT	RCRA NonGen / NLR	Lower	1038, 0.197, WNW
K80	THE SMART SHOP INC/G	451 MISSOURI CT	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Lower	1038, 0.197, WNW
O81	TOM BELL COLLISION C	1139 REDLANDS BLVD	RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, San Bern....	Higher	1088, 0.206, NNE
O82	AMERICAN TIRE DEPOT	1139 W REDLANDS BLVD	RCRA NonGen / NLR	Higher	1088, 0.206, NNE
O83	TOM BELL COLLISION C	1105 W REDLANDS BLVD	RCRA NonGen / NLR	Higher	1126, 0.213, NE
O84	TOM BELL COLLISION C	1105 W REDLANDS BLVD	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	1126, 0.213, NE
P85	REDLANDS GAS & FOOD	1195 W REDLANDS BLVD	UST	Higher	1162, 0.220, NNE
P86	KIM'S FOOD MART & GA	1195 W REDLANDS BLVD	UST	Higher	1162, 0.220, NNE
P87	ARGON/TEXACO	1195 W REDLANDS BLVD	HIST UST	Higher	1162, 0.220, NNE
P88	REDLANDS GAS & FOOD	1195 W REDLANDS BLVD	CERS HAZ WASTE, CERS TANKS, San Bern. Co. Permit,...	Higher	1162, 0.220, NNE
P89	ARGON/TEXACO	1195 W REDLANDS BLVD	SWEEPS UST, CA FID UST	Higher	1162, 0.220, NNE
P90	REDLANDS GAS & MART	1195 W REDLANDS BLVD	RCRA NonGen / NLR	Higher	1162, 0.220, NNE
P91	REDLANDS GAS & FOOD	1195 W REDLANDS BLVD	RCRA NonGen / NLR	Higher	1162, 0.220, NNE
N92	NADERS AUTO SALES IN	1075 W REDLANDS BLVD	RCRA NonGen / NLR	Higher	1182, 0.224, NE
N93	NADERS AUTO SALES	1075 W REDLANDS BLVD	San Bern. Co. Permit	Higher	1182, 0.224, NE
N94	C-KEVARI CONTRACTOR	1045 W PARK AVE	HIST UST, San Bern. Co. Permit	Higher	1192, 0.226, NE
N95	DEVCO SANDBLASTING	1045 W PARK AVE	HIST UST, HAZNET, HWTS	Higher	1192, 0.226, NE
Q96	ROBERTSON'S		US MINES	Lower	1224, 0.232, West
97	BRIAN BELL	140 KANSAS STREET	RCRA NonGen / NLR	Lower	1242, 0.235, SW
P98	ARGON FUEL	1205/1255 REDLANDS B	CPS-SLIC, CERS	Higher	1253, 0.237, North
R99	DEVCO	457 NEW YORK ST	SWEEPS UST, CA FID UST, EMI, CERS	Higher	1277, 0.242, ENE
R100	JJJ PROPERTIES TRUST	457 NEW YORK ST	UST	Higher	1277, 0.242, ENE
101	SCE REDLANDS LAYDOWN	10616 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Lower	1287, 0.244, NW
S102	JERRY MURPHYS REDLAN	1267 W REDLANDS BLVD	RCRA-SQG, FINDS, ECHO	Lower	1311, 0.248, North
S103	AAMCO TRANSMISSION	1267 W REDLANDS BLVD	RCRA NonGen / NLR	Lower	1311, 0.248, North
S104	AAMCO TRANSMISSION	1267 N REDLANDS BLVD	RCRA NonGen / NLR	Lower	1311, 0.248, North
S105	AAMCO TRANSMISSIONS	1267 W REDLANDS BLVD	San Bern. Co. Permit	Lower	1311, 0.248, North
T106	EMPIRE KARTS	302 ALABAMA NO 9	RCRA-SQG, FINDS, ECHO	Lower	1311, 0.248, West
T107	DIAGNOSTIC IMAGING I	302 ALABAMA ST SUIT	RCRA-SQG, FINDS	Lower	1311, 0.248, West
T108	QA PROCESSOR SERVICE	302 ALABAMA ST, STE8	HWP	Lower	1311, 0.248, West
T109	JOSEPH BARROS	302 ALABAMA ST. #10	RCRA NonGen / NLR	Lower	1311, 0.248, West
T110	FOUNDATION WINDPOWER	302 ALABAMA ST UNIT	RCRA NonGen / NLR	Lower	1311, 0.248, West
Q111	BROOKSIDE DAIRY	325 ALABAMA ST	LUST, Cortese, HIST CORTESE, NPDES, CIWQS, CERS	Lower	1427, 0.270, West
112	REDLANDS COMMUNITY D	ALABAMA STREET/WEST	ENVIROSTOR, SCH	Lower	1847, 0.350, WNW
113	LAYNE CHRISTENSEN RE	1675 WEST PARK AVENU	ENVIROSTOR, VCP	Lower	2504, 0.474, WNW
114	CALIFORNIA TARGET EN	1580 REDLANDS BLVD	LUST, Cortese, CERS	Lower	2563, 0.485, NW
U115	SO CAL GAS/REDLANDS	STATE STREET AT REDL	EDR MGP	Higher	3233, 0.612, East
U116	SO CAL GAS/REDLANDS	STATE STREET AT REDL	ENVIROSTOR, VCP	Higher	3388, 0.642, East
117	REDLANDS EARLY EDUCA	1712 WEST PARK AVENU	ENVIROSTOR, SCH, CERS	Lower	3694, 0.700, WNW

MAPPED SITES SUMMARY

Target Property Address:
301 TENNESSEE AVE
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
V118	TELEDYNE BATTERY	840 W BROCKTON AVE	ENVIROSTOR, LUST, CERS HAZ WASTE, SWEEPS UST, HIST	Higher	3917, 0.742, NNE
V119	TELEDYNE INC TELEDYN	840 W BROCKTON AVE	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Higher	3917, 0.742, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LA-Z-BOY WEST 301 TENNESSEE ST REDLANDS, CA 92373	San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0004349	N/A
LAZBOY WEST 301 TENNESSEE STREET REDLANDS, CA 92375	EMI Facility Id: 24248 NPDES Facility Status: Terminated CERS	N/A
LAZBOY WEST 301 TENNESSEE STREET REDLANDS, CA 92375	CIWQS	N/A
LA-Z-BOY 301 TENNESSEE ST REDLANDS, CA 92372	RCRA NonGen / NLR EPA ID:: CAD005544465	CAD005544465
301 TENNESSEE STREET 301 TENNESSEE STREET REDLANDS, CA 92373	HMIRS	N/A
LA-Z-BOY 301 TENNESSEE ST REDLANDS, CA 92372	HAZNET GEPAID: CAD005544465 HWTS	N/A
HAHAN CONTRACTORS 301 TENNESSEE ST REDLANDS, CA 92373	HAZNET GEPAID: CAC002775116 HWTS	N/A
LA-Z-BOY WEST 301 TENNESSEE ST REDLANDS, CA 92373	FINDS Registry ID:: 110002144448 ECHO Registry ID: 110002144448	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
SWRCY ---- Recycler Database
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing

MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)

EXECUTIVE SUMMARY

WDR ---------- Waste Discharge Requirements Listing
NON-CASE INFO ---------- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---------- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---------- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---------- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---------- Mineral Resources Data System

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TELEDYNE INC TELEDYN EPA ID:: CAD008386641	***840 W BROCKTON AVE***	***NNE 1/2 - 1 (0.742 mi.)***	***V119***	***586***

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or

dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE REDLANDS SERVICE EPA ID:: CAR000194191	287 TENNESSEE ST	0 - 1/8 (0.000 mi.)	B17	98
SOUTHERN CALIFORNIA EPA ID:: CAD981681497	287 TENNESSEE	0 - 1/8 (0.000 mi.)	B20	103

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CENTRUM ANALYTICAL L EPA ID:: CAD982333262	***290 TENNESSEE ST***	***ESE 0 - 1/8 (0.017 mi.)***	***B22***	***108***
PIONEER CONSULTANTS EPA ID:: CAD066158320	***251 TENNESSEE ST***	***SSE 0 - 1/8 (0.077 mi.)***	***F41***	***240***
REDLANDS MAINTENANCE EPA ID:: CAD981997315	501 TENNESSEE	NNE 1/8 - 1/4 (0.148 mi.)	H63	317
TOM BELL COLLISION C EPA ID:: CAD981616949	***1139 REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.206 mi.)***	***O81***	***402***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPARTECH PLASTICS IN EPA ID:: CAD094724333	***300 KANSAS STREET***	***W 0 - 1/8 (0.029 mi.)***	***D28***	***159***
EAST END HYDRO SHOP EPA ID:: CA0000852483	298 KANSAS	WSW 0 - 1/8 (0.098 mi.)	44	250
CONTINENTIAL DATALAB EPA ID:: CAR000072652	***211 BUSINESS CTR CT***	***WSW 1/8 - 1/4 (0.170 mi.)***	***M73***	***381***
JERRY MURPHYS REDLAN EPA ID:: CAD981659774	***1267 W REDLANDS BLVD***	***N 1/8 - 1/4 (0.248 mi.)***	***S102***	***472***
EMPIRE KARTS EPA ID:: CAR000089581	***302 ALABAMA NO 9***	***W 1/8 - 1/4 (0.248 mi.)***	***T106***	***481***
DIAGNOSTIC IMAGING I EPA ID:: CAD983604000	***302 ALABAMA ST SUIT***	***W 1/8 - 1/4 (0.248 mi.)***	***T107***	***484***

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/25/2021 has revealed that there are 5 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/REDLANDS Facility Id: 36490112 Status: Active	***STATE STREET AT REDL***	***E 1/2 - 1 (0.642 mi.)***	***U116***	***513***
TELEDYNE BATTERY Facility Id: 80001578 Facility Id: 36360017 Status: No Further Action Status: Refer: RCRA	***840 W BROCKTON AVE***	***NNE 1/2 - 1 (0.742 mi.)***	***V118***	***525***

Lower Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS COMMUNITY D Facility Id: 36010050 Status: No Further Action	***ALABAMA STREET/WEST***	***WNW 1/4 - 1/2 (0.350 mi.)***	***112***	***501***
LAYNE CHRISTENSEN RE Facility Id: 60002340 Status: Certified	***1675 WEST PARK AVENU***	***WNW 1/4 - 1/2 (0.474 mi.)***	***113***	***504***
REDLANDS EARLY EDUCA Facility Id: 36010023 Status: No Further Action	***1712 WEST PARK AVENU***	***WNW 1/2 - 1 (0.700 mi.)***	***117***	***522***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS CORPORATE Y	***1270 PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I57***	***282***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 12/06/2021				

Facility Status: Case Closed
Global Id: T0607100594
Status: Completed - Case Closed
Global ID: T0607100594

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROOKSIDE DAIRY	***325 ALABAMA ST***	***W 1/4 - 1/2 (0.270 mi.)***	***Q111***	***496***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/06/2021
Facility Status: Case Closed
Global Id: T0607100050
Status: Completed - Case Closed
Global ID: T0607100050

CALIFORNIA TARGET EN	***1580 REDLANDS BLVD***	***NW 1/4 - 1/2 (0.485 mi.)***	***114***	***509***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/06/2021
Facility Status: Case Closed
Global Id: T0607100419
Status: Completed - Case Closed
Global ID: T0607100419

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARGON FUEL	***1205/1255 REDLANDS B***	***N 1/8 - 1/4 (0.237 mi.)***	***P98***	***466***

Database: CPS-SLIC, Date of Government Version: 12/06/2021
Facility Status: Open - Site Assessment
Global Id: T10000011531

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE-REDLANDS	287 TENNESSEE ST	0 - 1/8 (0.000 mi.)	B10	33

Database: UST, Date of Government Version: 12/06/2021
Facility Id: 86009045

CI-REDLANDS CORP YRD	1270 W PARK AVE	N 1/8 - 1/4 (0.142 mi.)	I59	308

Database: UST, Date of Government Version: 12/06/2021

Facility Id: 87014146

REDLANDS CORP YRD Database: UST, Date of Government Version: 12/06/2021 Facility Id: FA0002002	1270 W PARK AVE	N 1/8 - 1/4 (0.142 mi.)	I61	311
REDLANDS GAS & FOOD Database: UST, Date of Government Version: 12/06/2021 Facility Id: FA0004256	1195 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.220 mi.)	P85	423
KIM'S FOOD MART & GA Database: UST, Date of Government Version: 12/06/2021 Facility Id: 87013023	1195 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.220 mi.)	P86	423
JJJ PROPERTIES TRUST Database: UST, Date of Government Version: 12/06/2021 Facility Id: 86008499	457 NEW YORK ST	ENE 1/8 - 1/4 (0.242 mi.)	R100	469

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS SERVICE CEN Database: AST, Date of Government Version: 07/06/2016	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B11***	***34***
SCE-REDLANDS SERVICE Database: AST, Date of Government Version: 07/06/2016	287 TENNESSEE	0 - 1/8 (0.000 mi.)	B16	98

Lists of state and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/25/2021 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAYNE CHRISTENSEN RE Status: Certified Facility Id: 60002340	***1675 WEST PARK AVENU***	***WNW 1/4 - 1/2 (0.474 mi.)***	***113***	***504***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS: A listing of registered waste tire haulers.

A review of the HAULERS list, as provided by EDR, and dated 09/14/2021 has revealed that there is 1

HAULERS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Facility ID: 1299639	287 TENNESSEE STREET	0 - 1/8 (0.000 mi.)	B19	103

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/18/2021 has revealed that there are 14 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE REDLANDS SERVICE	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B15***	***45***
DUTCH GIRL CLEANERS	***414 TENNESSEE AVE ST***	***NNE 0 - 1/8 (0.075 mi.)***	***E39***	***232***
SIMPLY TOYOTA	***1195W W PARK AVE***	***NNE 1/8 - 1/4 (0.127 mi.)***	***H50***	***256***
REDLANDS AUTO ELECTR	***1165 W PARK AVE***	***NNE 1/8 - 1/4 (0.136 mi.)***	***H55***	***274***
REDLANDS CITY	***1270 W PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I58***	***289***
TOM BELL COLLISION C	***1139 REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.206 mi.)***	***O81***	***402***
TOM BELL COLLISION C	***1105 W REDLANDS BLVD***	***NE 1/8 - 1/4 (0.213 mi.)***	***O84***	***415***
REDLANDS GAS & FOOD	***1195 W REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***P88***	***426***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC	***380 KANSAS ST***	***WNW 0 - 1/8 (0.028 mi.)***	***C26***	***150***
RETTIG MACHINE SHOP	***301 KANSAS ST***	***W 0 - 1/8 (0.029 mi.)***	***D30***	***206***
HHW SATELLITE REDLAN	***500 KANSAS ST***	***NW 1/8 - 1/4 (0.164 mi.)***	***L69***	***335***
CONTINENTAL DATALABE	***211 BUSINESS CENTER***	***WSW 1/8 - 1/4 (0.170 mi.)***	***M71***	***342***
THE SMART SHOP INC/G	***451 MISSOURI CT***	***WNW 1/8 - 1/4 (0.197 mi.)***	***K80***	***397***
SCE REDLANDS LAYDOWN	***10616 KANSAS ST***	***NW 1/8 - 1/4 (0.244 mi.)***	***101***	***469***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Status: A Tank Status: A Comp Number: 22199	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***
GTE / REDLANDS PLANT	***1130 W STATE ST***	***ESE 0 - 1/8 (0.121 mi.)***	***49***	***255***

Status: A
Tank Status: A
Comp Number: 9037

REDLANDS CORPORATE Y	***1270 PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I57***	***282***
Status: A Tank Status: A Comp Number: 14146				
ARGON/TEXACO	***1195 W REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***P89***	***448***
Status: A Tank Status: A Comp Number: 66015				
DEVCO	***457 NEW YORK ST***	***ENE 1/8 - 1/4 (0.242 mi.)***	***R99***	***467***
Status: A Tank Status: A Comp Number: 8499				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS SERVICE CEN Facility Id: 00000022199 Facility Id: 00000066326	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B11***	***34***
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***
WESLEY RAY AND SON I Facility Id: 00000048902	***300 TENNESSEE ST***	***E 0 - 1/8 (0.020 mi.)***	***B24***	***146***
PIONEER CONSULTANTS Facility Id: 00000049219	***251 TENNESSEE ST***	***SSE 0 - 1/8 (0.077 mi.)***	***F41***	***240***
CITY YARDS Facility Id: 00000032746 Facility Id: 00000032749	501 TENNESSEE STREET	NNE 1/8 - 1/4 (0.148 mi.)	H62	311
ARGON/TEXACO Facility Id: 00000066015	1195 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.220 mi.)	P87	424
C-KEVARI CONTRACTOR Facility Id: 00000042526	***1045 W PARK AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***N94***	***459***
DEVCO SANDBLASTING	***1045 W PARK AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***N95***	***460***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Facility Id: 36008797	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***

Status: A				
GTE / REDLANDS PLANT Facility Id: 36002677 Status: A	***1130 W STATE ST***	***ESE 0 - 1/8 (0.121 mi.)***	***49***	***255***
REDLANDS CORPORATE Y Facility Id: 36007694 Status: A	***1270 PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I57***	***282***
ARGON/TEXACO Facility Id: 36006131 Status: A	***1195 W REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***P89***	***448***
DEVCO Facility Id: 36008441 Status: A	***457 NEW YORK ST***	***ENE 1/8 - 1/4 (0.242 mi.)***	***R99***	***467***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/18/2021 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE REDLANDS SERVICE	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B15***	***45***
REDLANDS CITY	***1270 W PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I58***	***289***
REDLANDS GAS & FOOD	***1195 W REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***P88***	***426***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 28 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA ID:: CAL000418076	287 TENNESSEE ST	0 - 1/8 (0.000 mi.)	B21	106
NYS/NEW, LLC EPA ID:: CAC003040372	300 TENNESSEE ST	E 0 - 1/8 (0.020 mi.)	B23	143
CYCLERY USA INC DBA EPA ID:: CAL000404742	415 TENNESSEE ST STE	NNE 0 - 1/8 (0.046 mi.)	E33	220
X-CELL LABORATORIES EPA ID:: CAL000304012	414 TENNESSEE ST STE	NNE 0 - 1/8 (0.075 mi.)	E37	229
JOSEPH GURROLA DBA S EPA ID:: CAL000381523	1195 W PARK AVE	NNE 1/8 - 1/4 (0.127 mi.)	H52	270
REDLANDS AUTO ELECTR	1165 W PARK AVE	NNE 1/8 - 1/4 (0.136 mi.)	H56	280

EPA ID:: CAL000434888				
SOUTHERN CA FLEET SE EPA ID:: CAL000405115	1270 W PARK AVE BLDG	N 1/8 - 1/4 (0.142 mi.)	I60	308
BRONCS TOWING INC. EPA ID:: CAL000250927	1083 W PARK AVE	NE 1/8 - 1/4 (0.192 mi.)	N78	392
AMERICAN TIRE DEPOT EPA ID:: CAL000378740	1139 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.206 mi.)	O82	410
TOM BELL COLLISION C EPA ID:: CAL000394809	1105 W REDLANDS BLVD	NE 1/8 - 1/4 (0.213 mi.)	O83	413
REDLANDS GAS & MART	1195 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.220 mi.)	P90	450
REDLANDS GAS & FOOD EPA ID:: CAL000432334	1195 W REDLANDS BLVD	NNE 1/8 - 1/4 (0.220 mi.)	P91	452
NADERS AUTO SALES IN EPA ID:: CAL000393218	1075 W REDLANDS BLVD	NE 1/8 - 1/4 (0.224 mi.)	N92	455

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC EPA ID:: CAL000443104	380 KANSAS ST	WNW 0 - 1/8 (0.028 mi.)	C25	147
RETTIG MACHINE SHOP, EPA ID:: CAL000040540	301 KANSAS STREET	W 0 - 1/8 (0.029 mi.)	D29	203
HM INDUSTRIAL INC EPA ID:: CAL000442764	377 KANSAS ST UNIT A	WNW 0 - 1/8 (0.033 mi.)	C31	217
CHEP / CCPS EPA ID:: CAL000451940	450 KANSAS ST STE 10	WNW 0 - 1/8 (0.047 mi.)	C34	223
AMERIACN GALVANO INC EPA ID:: CAL000357354	421 KANSAS ST	WNW 0 - 1/8 (0.084 mi.)	G42	244
SAN BERNARDINO COUNT EPA ID:: CAH111001289	500 KANSAS AVE	NW 1/8 - 1/4 (0.164 mi.)	L68	333
SAN BERNARDINO COUNT EPA ID:: CAH111000039	500 KANSAS AVENUE	NW 1/8 - 1/4 (0.164 mi.)	L70	339
JOE CORNETT EPA ID:: CAC003055257	517 KANSAS ST.	NW 1/8 - 1/4 (0.176 mi.)	L74	384
PAR ELECTRICAL CONTR	525 KANSAS ST.	NW 1/8 - 1/4 (0.180 mi.)	L76	387
THE SMART SHOP/ GL M EPA ID:: CAL000291002	451 MISSOURI CT	WNW 1/8 - 1/4 (0.197 mi.)	K79	395
BRIAN BELL	140 KANSAS STREET	SW 1/8 - 1/4 (0.235 mi.)	97	463
AAMCO TRANSMISSION EPA ID:: CAL000343382	1267 W REDLANDS BLVD	N 1/8 - 1/4 (0.248 mi.)	S103	475
AAMCO TRANSMISSION EPA ID:: CAD113500177	1267 N REDLANDS BLVD	N 1/8 - 1/4 (0.248 mi.)	S104	477
JOSEPH BARROS EPA ID:: CAC002972039	302 ALABAMA ST. #10	W 1/8 - 1/4 (0.248 mi.)	T109	491
FOUNDATION WINDPOWER EPA ID:: CAL000449524	302 ALABAMA ST UNIT	W 1/8 - 1/4 (0.248 mi.)	T110	493

EXECUTIVE SUMMARY

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there are 2 US MINES sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANT #1 - DUNMOVIN		***WNW 1/8 - 1/4 (0.153 mi.)***	***K65***	***320***
Database: MINES VIOLATIONS, Date of Government Version: 06/30/2021				
ROBERTSON'S		W 1/8 - 1/4 (0.232 mi.)	Q96	463
Database: US MINES, Date of Government Version: 11/02/2021 Mine ID:: 0404652				

ABANDONED MINES: An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

A review of the ABANDONED MINES list, as provided by EDR, and dated 09/14/2021 has revealed that there is 1 ABANDONED MINES site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANT #1 - DUNMOVIN		***WNW 1/8 - 1/4 (0.153 mi.)***	***K65***	***320***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/04/2021 has revealed that there are 2 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Registry ID:: 110070419414	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B9***	***33***
SOUTHERN CALIFORNIA Registry ID:: 110070317584	287 TENNESSEE	0 - 1/8 (0.000 mi.)	B18	103

EXECUTIVE SUMMARY

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 01/01/2022 has revealed that there are 2 ECHO sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B9***	***33***
Registry ID: 110037380312 Registry ID: 110070419414				
SOUTHERN CALIFORNIA	287 TENNESSEE	0 - 1/8 (0.000 mi.)	B12	37
Registry ID: 110070317584				

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/20/2021 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS CORPORATE Y	***1270 PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I57***	***282***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROOKSIDE DAIRY	***325 ALABAMA ST***	***W 1/4 - 1/2 (0.270 mi.)***	***Q111***	***496***
Cleanup Status: COMPLETED - CASE CLOSED				
CALIFORNIA TARGET EN	***1580 REDLANDS BLVD***	***NW 1/4 - 1/2 (0.485 mi.)***	***114***	***509***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUTCH GIRL DRY CLEAN	***414 TENNESSEE ST STE***	***NNE 0 - 1/8 (0.075 mi.)***	***E36***	***226***
Database: DRYCLEANERS, Date of Government Version: 08/27/2021 EPA Id: CAL000267327				
DUTCH GIRL CLEANERS	***414 TENNESSEE AVE ST***	***NNE 0 - 1/8 (0.075 mi.)***	***E39***	***232***
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 11/17/2021				

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the ENF list, as provided by EDR, and dated 11/10/2021 has revealed that there is 1 ENF site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS SERVICE CEN	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B11***	***34***
Status: Active Status: Historical Facility Id: 232228				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there are 2 HAZNET sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUNWEST ENGINEERING	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B13***	***37***
GEPAID: CAC002666433				
SCE REDLANDS SERVICE	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B15***	***45***
GEPAID: CAR000194191				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS CORPORATE Y	***1270 PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I57***	***282***
Reg Id: 083603526T				

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROOKSIDE DAIRY	***325 ALABAMA ST***	***W 1/4 - 1/2 (0.270 mi.)***	***Q111***	***496***
Reg Id: 083600475T				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/15/2021 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TELEDYNE BATTERY	***840 W BROCKTON AVE***	***NNE 1/2 - 1 (0.742 mi.)***	***V118***	***525***
EPA ID: CAD008386641				
Cleanup Status: CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
QA PROCESSOR SERVICE	302 ALABAMA ST, STE8	W 1/8 - 1/4 (0.248 mi.)	T108	490
EPA ID: CAD983604000				
Cleanup Status: CLOSED				

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 11/09/2021 has revealed that there is 1 NPDES site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***
Facility Status: Active				

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 12/01/2021 has revealed that there are 34 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE REDLANDS SERVICE	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B15***	***45***
Facility Status: ACTIVE				
Facility Status: FEE EXEMPT				
Facility Status: INACTIVE				
Facility Id: FA0006044				
WESLEY RAY AND SON I	***300 TENNESSEE ST***	***E 0 - 1/8 (0.020 mi.)***	***B24***	***146***
Facility Status: INACTIVE				
Facility Id: FA0007250				
X-CELL LABORATORIES	414 TENNESSEE ST STE	NNE 0 - 1/8 (0.075 mi.)	E38	231
Facility Status: ACTIVE				
Facility Status: INACTIVE				
Facility Id: FA0013591				
DUTCH GIRL CLEANERS	***414 TENNESSEE AVE ST***	***NNE 0 - 1/8 (0.075 mi.)***	***E39***	***232***
Facility Status: ACTIVE				
Facility Status: INACTIVE				
Facility Id: FA0007665				
REDLANDS CHRISTIAN M	251 TENESSEE ST	SSE 0 - 1/8 (0.077 mi.)	F40	240

Facility Status: INACTIVE Facility Id: FA0015862				
ANDY'S FORD SPECIALT Facility Status: INACTIVE Facility Id: FA0011635 Facility Id: FA0000951	452 TENNESSEE ST	NNE 0 - 1/8 (0.100 mi.)	H45	253
CALIFORNIA RIDER MOT Facility Status: INACTIVE Facility Id: FA0009415	450 TENNESSEE ST	NNE 0 - 1/8 (0.100 mi.)	H46	254
REDLANDS COLOR LAB Facility Status: INACTIVE Facility Id: FA0005635	461 TENNESSEE ST F	N 0 - 1/8 (0.102 mi.)	H48	255
SIMPLY TOYOTA Facility Status: ACTIVE Facility Id: FA0015111	***1195W W PARK AVE***	***NNE 1/8 - 1/4 (0.127 mi.)***	***H50***	***256***
CHUCK'S COMPLETE AUT Facility Status: INACTIVE Facility Id: FA0001964	1195 PARK AVE	NNE 1/8 - 1/4 (0.127 mi.)	H51	269
MAGNUM PERFORMANCE C Facility Status: INACTIVE Facility Id: FA0010735 Facility Id: FA0009378	***1195 W PARK AVE***	***NNE 1/8 - 1/4 (0.127 mi.)***	***H53***	***272***
REDLANDS AUTO ELECTR Facility Status: ACTIVE Facility Id: FA0017827	***1165 W PARK AVE***	***NNE 1/8 - 1/4 (0.136 mi.)***	***H55***	***274***
REDLANDS CITY Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0002002	***1270 W PARK AVE***	***N 1/8 - 1/4 (0.142 mi.)***	***I58***	***289***
L & L TOWING Facility Status: INACTIVE Facility Id: FA0004316	1143 PARK AVE	NE 1/8 - 1/4 (0.148 mi.)	J64	320
HUTCHISON MANUFACTUR Facility Status: INACTIVE Facility Id: FA0003887	1113 W PARK AVE B	NE 1/8 - 1/4 (0.161 mi.)	J66	332
BRONCS TOWING INC. Facility Status: INACTIVE Facility Id: FA0013065	***1083 W PARK AVE***	***NE 1/8 - 1/4 (0.192 mi.)***	***N77***	***389***
TOM BELL COLLISION C Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0017757 Facility Id: FA0006702	***1139 REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.206 mi.)***	***O81***	***402***
TOM BELL COLLISION C Facility Status: ACTIVE Facility Id: FA0012015	***1105 W REDLANDS BLVD***	***NE 1/8 - 1/4 (0.213 mi.)***	***O84***	***415***
REDLANDS GAS & FOOD Facility Status: ACTIVE Facility Id: FA0004256	***1195 W REDLANDS BLVD***	***NNE 1/8 - 1/4 (0.220 mi.)***	***P88***	***426***
NADERS AUTO SALES	1075 W REDLANDS BLVD	NE 1/8 - 1/4 (0.224 mi.)	N93	457

Facility Status: INACTIVE
Facility Id: FA0014278

C-KEVARI CONTRACTOR Facility Status: INACTIVE Facility Id: FA0002708	***1045 W PARK AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***N94***	***459***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC Facility Status: ACTIVE Facility Id: FA0018211	***380 KANSAS ST***	***WNW 0 - 1/8 (0.028 mi.)***	***C26***	***150***
UNIROYAL TECH CORP, Facility Status: INACTIVE Facility Id: FA0012195 Facility Id: FA0010213 Facility Id: FA0005820	***300 KANSAS ST***	***W 0 - 1/8 (0.029 mi.)***	***D27***	***154***
RETTIG MACHINE SHOP Facility Status: ACTIVE Facility Id: FA0005677	***301 KANSAS ST***	***W 0 - 1/8 (0.029 mi.)***	***D30***	***206***
FLAMBEAU INC Facility Status: INACTIVE Facility Id: FA0003238	***377 KANSAS STREET***	***WNW 0 - 1/8 (0.033 mi.)***	***C32***	***219***
CHEP-REDLANDS Facility Status: ACTIVE Facility Id: FA0017727	***450 KANSAS STREET UN***	***NW 0 - 1/8 (0.097 mi.)***	***G43***	***247***
CUSTOM MATERIAL SALE Facility Status: INACTIVE Facility Id: FA0014025	1351 PARK AVE 105	NNW 1/8 - 1/4 (0.132 mi.)	54	274
NATIONWIDE MARKETING Facility Status: INACTIVE Facility Id: FA0010334	446 MISSOURI CT	WNW 1/8 - 1/4 (0.164 mi.)	K67	332
HHW SATELLITE REDLAN Facility Status: FEE EXEMPT Facility Status: INACTIVE Facility Id: FA0002307	***500 KANSAS ST***	***NW 1/8 - 1/4 (0.164 mi.)***	***L69***	***335***
CONTINENTAL DATALABE Facility Status: ACTIVE Facility Id: FA0002487	211 BUSINESS CENTER	WSW 1/8 - 1/4 (0.170 mi.)	M72	381
NOVA COACH Facility Status: INACTIVE Facility Id: FA0010837	1445 PARK AVE	NW 1/8 - 1/4 (0.176 mi.)	75	387
THE SMART SHOP INC/G Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0009500 Facility Id: FA0009499	***451 MISSOURI CT***	***WNW 1/8 - 1/4 (0.197 mi.)***	***K80***	***397***
SCE REDLANDS LAYDOWN Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0018336	***10616 KANSAS ST***	***NW 1/8 - 1/4 (0.244 mi.)***	***101***	***469***
AAMCO TRANSMISSIONS	1267 W REDLANDS BLVD	N 1/8 - 1/4 (0.248 mi.)	S105	481

Facility Status: INACTIVE
Facility Id: FA0000118

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 11/30/2021 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 10/18/2021 has revealed that there are 2 CERS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B14***	***42***
SCE REDLANDS SERVICE	***287 TENNESSEE ST***	***0 - 1/8 (0.000 mi.)***	***B15***	***45***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/REDLANDS	STATE STREET AT REDL	E 1/2 - 1 (0.612 mi.)	U115	512

EXECUTIVE SUMMARY

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTO ANALYSTS	446 TENNESSEE ST	NNE 0 - 1/8 (0.100 mi.)	H47	254

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

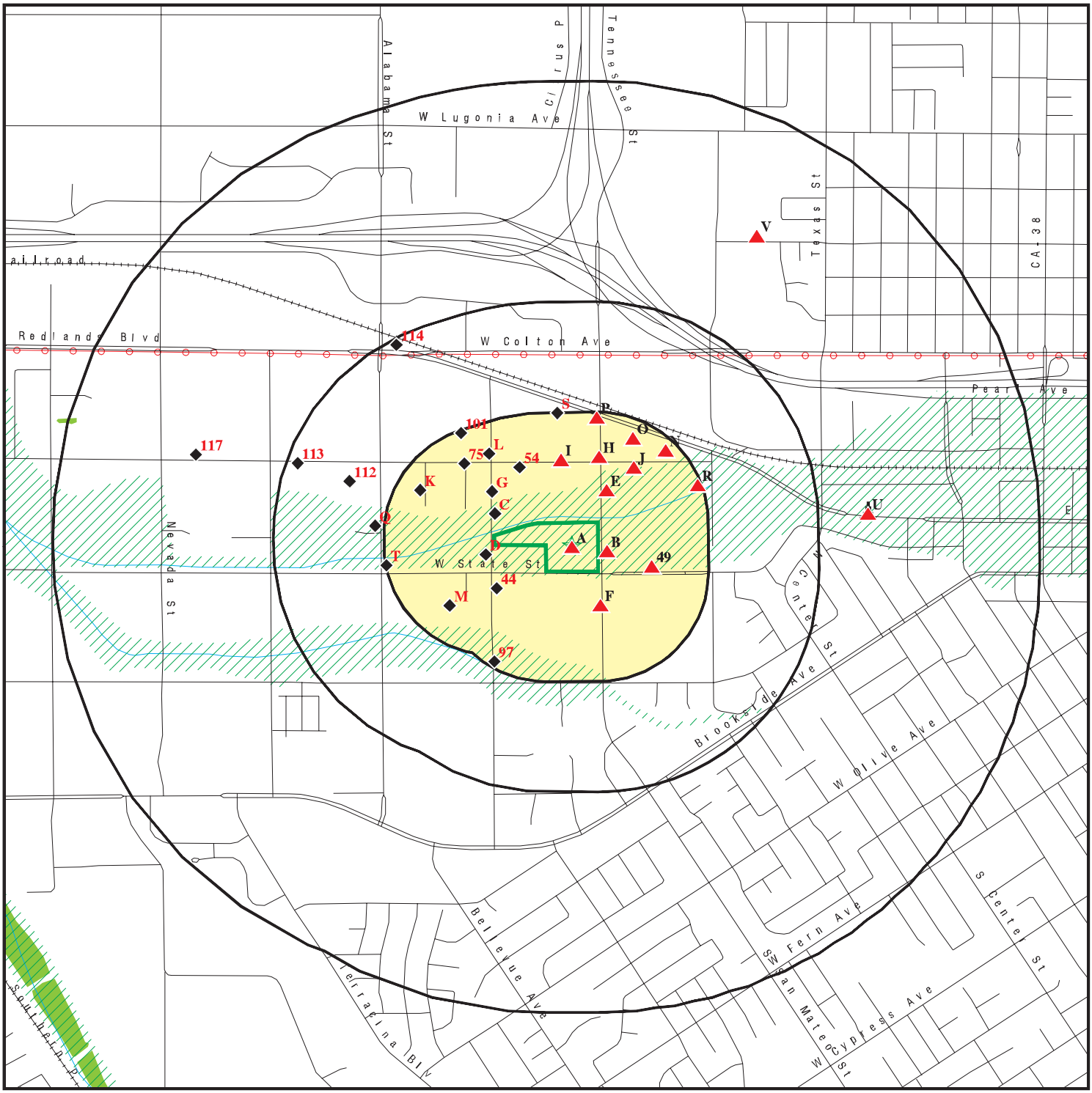
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUTCH GIRL LAUNDRY &	414 TENNESSEE ST STE	NNE 0 - 1/8 (0.075 mi.)	E35	225

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
REDLANDS SMUDGE POT TANKS SITE	SEMS
ALABAMA STREET ILLEGAL DISPOSAL SI	SWF/LF
EDISON/REDLANDS MGP	EDR MGP

OVERVIEW MAP - 6882471.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duke - Tennessee/Kansas	CLIENT: Roux Associates
ADDRESS: 301 Tennessee Ave Redlands CA 92373	CONTACT: Justin Allen INQUIRY #: 6882471.2s
LAT/LONG: 34.056446 / 117.201214	DATE: March 03, 2022 8:00 am

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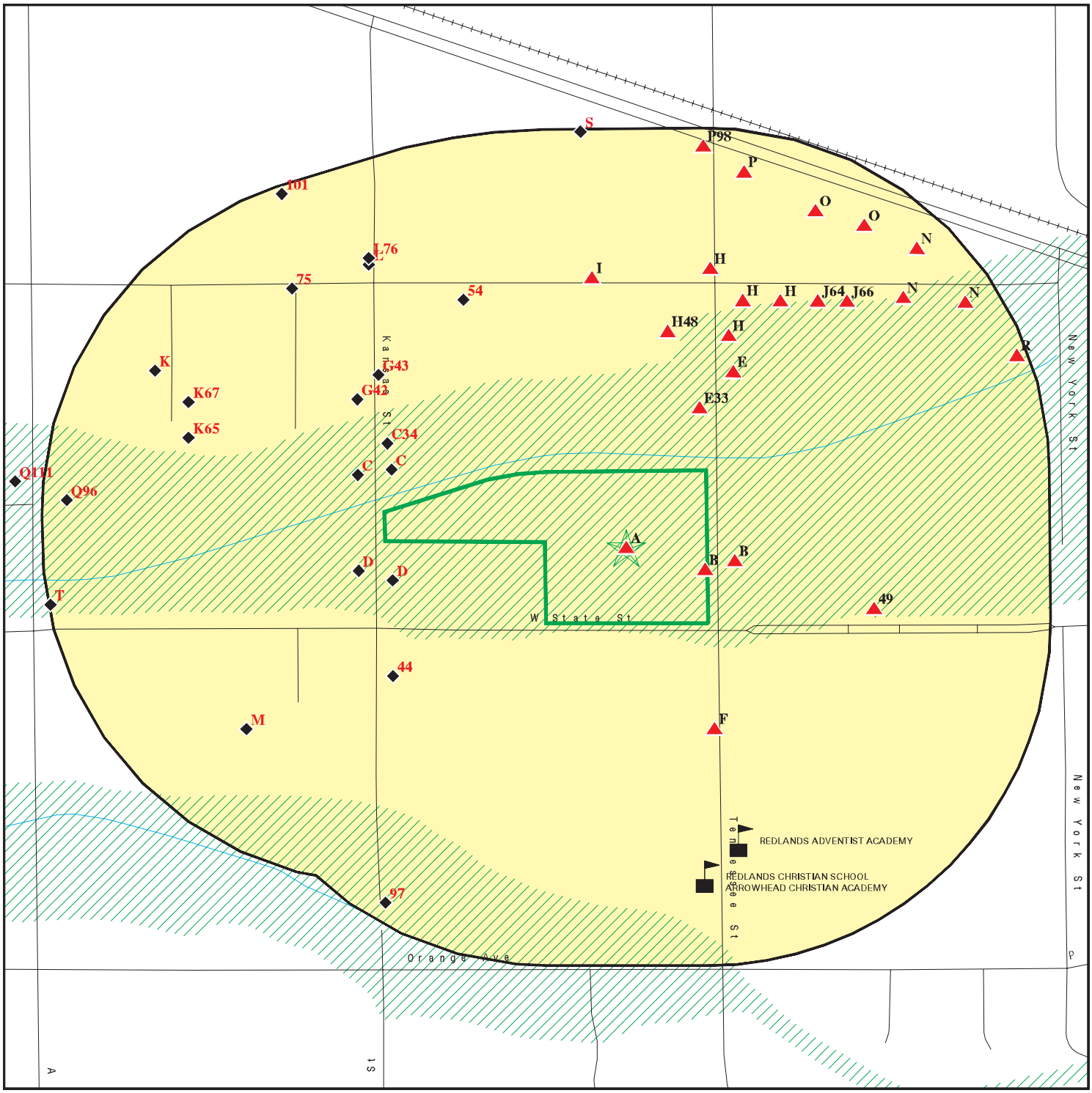
DETAIL MAP - 6882471.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Duke - Tennessee/Kansas	CLIENT:	Roux Associates
ADDRESS:	301 Tennessee Ave Redlands CA 92373	CONTACT:	Justin Allen
		INQUIRY #:	6882471.2s
LAT/LONG:	34.056446 / 117.201214	DATE:	March 03, 2022 8:01 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		2	0	NR	NR	NR	2
RCRA-SQG	0.250		4	6	NR	NR	NR	10
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	2	3	NR	5
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	1	2	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	0	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	5	NR	NR	NR	6
AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		1	NR	NR	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		4	10	NR	NR	NR	14
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	3	NR	NR	NR	5
HIST UST	0.250		4	4	NR	NR	NR	8
CA FID UST	0.250		2	3	NR	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CERS TANKS	0.250		1	2	NR	NR	NR	3
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001	1	0	NR	NR	NR	NR	1
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	9	19	NR	NR	NR	29
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	2	NR	NR	NR	2
ABANDONED MINES	0.250		0	1	NR	NR	NR	1
FINDS	0.001	1	2	NR	NR	NR	NR	3
ECHO	0.001	1	2	NR	NR	NR	NR	3
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	1	2	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		2	0	NR	NR	NR	2
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001		1	NR	NR	NR	NR	1
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	2	2	NR	NR	NR	NR	4
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	1	NR	NR	2
HWP	1.000		0	1	0	1	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	1	NR	NR	NR	NR	2
San Bern. Co. Permit	0.250	1	13	21	NR	NR	NR	35
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	1	NR	NR	NR	NR	2
CERS	0.001	1	2	NR	NR	NR	NR	3
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	2	NR	NR	NR	NR	NR	2
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		13	60	81	8	6	0	168

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LA-Z-BOY WEST** **San Bern. Co. Permit** **S108211649**
Target **301 TENNESSEE ST** **N/A**
Property **REDLANDS, CA 92373**

Site 1 of 8 in cluster A

Actual:
1266 ft.

San Bern. Co. Permit:

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004349
Owner:	LA-Z-BOY INCORPORATED
Permit Number:	PT0001794
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	08/31/2020

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004349
Owner:	LA-Z-BOY INCORPORATED
Permit Number:	PT0001795
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	08/31/2015

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004349
Owner:	LA-Z-BOY INCORPORATED
Permit Number:	PT0021341
Permit Category:	EPCRA FACILITY
Facility Status:	INACTIVE
Expiration Date:	08/31/2013

A2 **LAZBOY WEST** **EMI** **1001612795**
Target **301 TENNESSEE STREET** **NPDES** **N/A**
Property **REDLANDS, CA 92375** **CERS**

Site 2 of 8 in cluster A

Actual:
1266 ft.

EMI:

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST.
City,State,Zip:	REDLANDS, CA 923720000
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44

LAZBOY WEST (Continued) **1001612795**

Reactive Organic Gases Tons/Yr:	41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST.
City,State,Zip:	REDLANDS, CA 923720000
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	56
Reactive Organic Gases Tons/Yr:	24
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 923720000
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 923720000
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD

LAZBOY WEST (Continued) **1001612795**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 923720000
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 923720000
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	24248
Air District Name:	SC
SIC Code:	2512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 923720000
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	24248

LAZBOY WEST (Continued) **1001612795**

Air District Name: SC
SIC Code: 2512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: LA-Z-BOY WEST
Address: 301 TENNESSEE ST
City,State,Zip: REDLANDS, CA 923720000
Year: 2000
County Code: 36
Air Basin: SC
Facility ID: 24248
Air District Name: SC
SIC Code: 2512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: LA-Z-BOY WEST
Address: 301 TENNESSEE ST
City,State,Zip: REDLANDS, CA 923720000
Year: 2001
County Code: 36
Air Basin: SC
Facility ID: 24248
Air District Name: SC
SIC Code: 2512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

NPDES:
Name: LAZBOY WEST
Address: 301 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92375

LAZBOY WEST (Continued) **1001612795**

Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	495743
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I027814
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/27/2018
Termination Date Of Regulatory Measure:	11/01/2019
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	301 Tennessee Street PO box 8880
Discharge Name:	Lazboy West
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	LAZBOY WEST
Address:	301 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92375
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NNA000237
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	07/03/2019
Operator Name:	Lazboy West
Operator Address:	301 Tennessee Street PO box 8880
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375

LAZBOY WEST (Continued) **1001612795**

Name:	LAZBOY WEST
Address:	301 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92375
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I027814
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/08/2019
Operator Name:	Lazboy West
Operator Address:	301 Tennessee Street PO box 8880
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375

Name:	LA Z-BOY WEST
Address:	301 TENNESSEE ST.
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36IN600004
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Undetermined
Status Date:	09/30/2009
Operator Name:	La Z-Boy West
Operator Address:	Not reported
Operator City:	Not reported

LAZBOY WEST (Continued) **1001612795**

Operator State: Not reported
Operator Zip: Not reported

CERS:
Name: LA-Z-BOY WEST
Address: 301 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92373-8125
Site ID: 476574
CERS ID: 110002144448
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: DARRELL MEALER
Entity Title: Not reported
Affiliation Address: POBOX 8880
Affiliation City: REDLANDS
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: WILLIAM CHAFFEE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

A3 **LAZBOY WEST** **CIWQS** **S122829312**
Target Property **301 TENNESSEE STREET PO BOX 8880 REDLANDS, CA 92375** **N/A**

Site 3 of 8 in cluster A

Actual: 1266 ft.

CIWQS:
Name: LAZBOY WEST
Address: 301 TENNESSEE STREET PO BOX 8880
City,State,Zip: REDLANDS, CA 92375
Agency: Lazboy West
Agency Address: 301 Tennessee Street PO box 8880, Redlands, CA 92375
Place/Project Type: Industrial - Wood Household Furniture, Upholstered
SIC/NAICS: 2512
Region: 8
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36I027814
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 07/27/2018
Termination Date: 11/01/2019
Expiration/Review Date: Not reported

LAZBOY WEST (Continued) **S122829312**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.056301
Longitude:	-117.201112

A4 **LA-Z-BOY** **RCRA NonGen / NLR** **1024782501**
Target **301 TENNESSEE ST** **CAD005544465**
Property **REDLANDS, CA 92372**

Site 4 of 8 in cluster A

Actual:
1266 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		19830615
Handler Name:	LA-Z-BOY	
Handler Address:		301 TENNESSEE ST
Handler City,State,Zip:		REDLANDS, CA 92372-0000
EPA ID:		CAD005544465
Contact Name:		DARRELL E. MEALER
Contact Address:		PO BOX 8880
Contact City,State,Zip:		REDLANDS, CA 92375
Contact Telephone:		909-251-2537
Contact Fax:		909-793-4690
Contact Email:		DMEALER@LA-Z-BOY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 8880
Mailing City,State,Zip:		REDLANDS, CA 92375-2080
Owner Name:		LA-Z-BOY CHAIR CO
Owner Type:		Other
Operator Name:		DARRELL E. MEALER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported

LA-Z-BOY (Continued) **1024782501**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DARRELL E. MEALER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 8880
Owner/Operator City,State,Zip:	REDLANDS, CA 92375
Owner/Operator Telephone:	909-251-2537
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LA-Z-BOY CHAIR CO

LA-Z-BOY (Continued) **1024782501**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1284 N TELEGRAPH RD
Owner/Operator City,State,Zip:	MONROE, MI 48161-0000
Owner/Operator Telephone:	313-242-1444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19830615
Handler Name: LA-Z-BOY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	337121
NAICS Description:	UPHOLSTERED HOUSEHOLD FURNITURE MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A5 **301 TENNESSEE STREET** **HMIRS** **2018004275**
Target Property **301 TENNESSEE STREET** **N/A**
REDLANDS, CA 92373

Site 5 of 8 in cluster A

Actual: 1266 ft.

HMIRS:

Report Number:	I-2018040171
Report Source:	Paper
Multiple Rows per Incident:	No
Report Type:	A hazardous material incident
Date of Incident:	02/14/2018
Time of Incident:	1101
NRC Number:	Not reported
Fed DOT Agency Name:	Not reported
Fed DOT Report #:	Not reported
Incident City:	REDLANDS
Incident County:	SAN BERNARDINO
Incident State:	CA
Incident Zip:	92373
Incident Non-US State:	Not reported

301 TENNESSEE STREET (Continued) **2018004275**

Incident Country:	US
Incident Route:	301 TENNESSEE STREET
Mode of Transportation:	Highway
Transportation Phase:	IN TRANSIT
Carrier/Reporter Name:	FLYERS TRANSPORTATION LLC
Carrier/Reporter Street:	2349 RICKENBACKER WAY
Carrier/Reporter City:	AUBURN
Carrier/Reporter State:	CA
Carrier/Reporter Zip:	95602-9537
Carrier/Reporter Non-US State:	Not reported
Carrier/Reporter FED DOT ID:	635460
Carrier/Reporter HAZMAT ID:	052017600007ZB
Carrier/Reporter Country:	US
Shipper Name:	KINDER MORGAN LIQUIDS TERMINALS LLC
Shipper Street:	2359 S RIVERSIDE AVE
Shipper City:	BLOOMINGTON
Shipper State:	CA
Shipper Zip:	92316-2931
Shipper Non-US State:	Not reported
Shipper Country:	US
Waybill/Shipping Paper:	0003099140
Shipper HAZMAT Registration ID:	Not reported
Origin City:	BLOOMINGTON
Origin State:	CALIFORNIA
Origin Zip:	92316
Origin Non-US State:	Not reported
Origin Country:	US
Destination City:	REDLANDS
Destination State:	CALIFORNIA
Destination Postal Code:	92373
Destination Non-US State:	Not reported
Destination Country:	US
Commodity Short Name:	DIESEL FUEL
Commodity Long Name:	DIESEL FUEL
Technical/Trade Name:	TESORO CARB ULS DIESEL
Identification Number:	NA1993
Hazardous Class Code:	3
Hazardous Class:	FLAMMABLE - COMBUSTIBLE LIQUID
Packing Group:	III
Quantity Released:	56
Unit of Measure:	LGA
Unit of Measure Description:	Liquid - Gallon
HAZMAT Waste Indicator:	No
HAZMAT Waste EPA ID:	Not reported
HMIS Toxic by Inhalation:	No
TIH Hazard Zone:	Not reported
Material Shipment Approval:	No
Mat. Shipment Approval #:	Not reported
Undeclared HAZMAT Shipment:	No
Packaging Type:	Cargo Tank Motor Vehicle (CTMV)
What Failed Code:	150
What Failed Description:	Tank Shell
How Failed Code:	309
How Failed Description:	Punctured
Failure Cause Code:	531
Failure Cause Description:	Rollover Accident
Identification Markings:	MC 306

301 TENNESSEE STREET (Continued) **2018004275**

Cont1 Packaging Type:	Not reported
Cont1 Material of Construction:	Not reported
Cont1 Head Type:	Not reported
Cont1 Package Capacity:	0
Cont1 Package Capacity UOM:	Not reported
Cont1 Package Amount:	0
Cont1 Package Amount UOM:	Not reported
Cont1 Pkg Number:	Not reported
Cont1 Pkg Shipment # Failed:	Not reported
Cont1 Package Manufacturer:	WELD-IT
Cont1 Pkg Manufacturer Date:	12/1/1985 12:00:00 AM
Cont1 Package Serial Number:	N-15221-B
Cont1 Package Last Test Date:	1/4/2018 12:00:00 AM
Cont1 Test Material Of Const:	ALUMINUM
Cont1 Pkg Dsign Pressure Rpted:	3
Cont1 Dsign Pressure UOM Rpted:	PSI
Cont1 Pkg Shell Thickness Rptd:	0.1730
Cont1 Shell Thickness UOM Rptd:	INCH
Cont1 Head Thickness Reported:	0.1730
Cont1 Head Thickness UOM Rpted:	INCH
Cont1 Pkg Srvc Pressure Rpted:	Not reported
Cont1 Srvc Pressure UOM Rpted:	Not reported
Cont1 Valve or Device Fail Ind:	No
Cont1 Valve or Device Type:	Not reported
Cont1 Val Device Manufacturer:	Not reported
Cont1 Valve or Device Model:	Not reported
Cont2 Package Type:	Not reported
Cont2 Material of Construction:	Not reported
Cont2 Package Capacity:	Not reported
Cont2 Capacity UOM Reported:	Not reported
Cont2 Package Amount:	Not reported
Cont2 Package Amount UOM:	Not reported
Cont2 Pkg Number in Shipment:	Not reported
Cont2 Pkg Shipment # Failed:	Not reported
RAM Package Category:	Not reported
RAM Package Certification:	FALSE
RAM Package Certification #:	Not reported
RAM Nuclide(s) Present:	Not reported
RAM Transport Index:	Not reported
RAM UOM:	Not reported
RAM Activity Rpted:	Not reported
RAM UOM Rpted:	Not reported
RAM Activity:	0
RAM Activity UOM:	Not reported
RAM Material Safety Index:	Not reported
Spillage (Ind:	Yes
Fire Ind:	No
Explosion Ind:	No
Water Sewer Ind:	No
Gas Dispersion Ind:	No
Environmental Damage:	No
No Release Ind:	No
Fire/EMS Report Ind:	Yes
Fire EMS/EMS Report #:	Not reported
Police Report Ind:	Yes
Police Report #:	180005918
In-House Cleanup Ind:	No

301 TENNESSEE STREET (Continued) **2018004275**

Other Cleanup Ind:	Yes
Damage More Than 500:	Yes
Material Loss:	133
Carrier Damage:	0
Property Damage:	0
Response Cost:	0
Remediation Cleanup Cost:	14715
Damage Other (Old Form):	0
Total Amount of Damages:	14848
HAZMAT Fatality Indicator:	No
HAZMAT Fatalities Employees:	0
HAZMAT Fatalities Responders:	0
HAZMAT Fatality Gen. Public:	0
Hazmat Fatalities (Old Form):	0
Total Hazmat Fatalities:	Not reported
Non_HAZMAT Fatality Indicator:	No
Non-HAZMAT Fatalities:	0
HAZMAT Injury Indicator:	No
HAZMAT Hospitalized Employees:	0
HAZMAT Hospitalized Responders:	0
HAZMAT Hospitalized Gen Public:	0
HAZMAT Hospitalized (Old Form):	0
Total Hazmat Hosp Injuries:	0
HAZMAT NonHosp Employees:	0
HAZMAT NonHosp Responders:	0
HAZMAT NonHosp Gen. Public:	0
HAZMAT NonHosp (Old Form):	0
Total Hazmat NonHosp Injuries:	0
Total Hazmat Injuries:	0
Evacuation Indicator:	No
Public Evacuated:	0
Employees Evacuated:	0
Total Evacuated:	0
Total Evacuation Hours:	0
Major Artery Closed:	Yes
Major Artery Hours Closed:	7
Material Involved in Accident:	Yes
Estimated Speed:	35
Weather Conditions:	CLEAR AND DRY
Vehicle Overturn:	Yes
Vehicle Left Roadway/Track:	Yes
Passenger Aircraft Indicator:	No
Cargo Passenger Baggage Ind:	Not reported
Incident Occurrence:	Not reported
Shipphase Non-Transported Ind:	No
Shipphase Air First Flight Ind:	No
Shipphase Air SubFlight Ind:	No
Shipphase Init Transport Ind:	No
Shipphase Transfer Indicator:	No
Contact Name:	GREG TAYLOR
Contact Title:	SAFETY & COMPLIANCE MANAGER
Contact Business Name:	FLYERS TRANSPORTATION LLC
Contact Street:	2360 LINDBERGH STREET
Contact City:	AUBURN
Contact State:	CA
Contact Postal Code:	95602
Contact Non-US State:	Not reported

301 TENNESSEE STREET (Continued) **2018004275**

Contact Country:	US
Preparer of Incident Report:	Carrier
Description of Events:	Not reported
Recommendations/Actions Taken:	THIS INCIDENT WAS DISCUSSED WITH ALL OUR DRIVERS DURING OUR QUARTERLY SAFETY MEETINGS IN FEBRUARY. FLYERS TRANSPORTATION HAS RECENTLY SIGNED A CONTRACT WITH SMARTDRIVE SYSTEMS A VIDEO INTELLIGENCE SOLUTIONS PROVIDER TO INSTALL BOTH FORWARD AND DRIVER FACING CAMERAS IN OUR ENTIRE FLEET. THE LIABILITY COVERAGE IS GREAT BUT THE KEY SELLING POINT IS THEIR VIDEO SAFETY COACHING SYSTEM THAT WILL ALLOW US TO PRO-ACTIVELY COACH DRIVERS ON HABITS OR BEHAVIORS THAT WOULDNGCOT NORMALLY HAVE BEEN OBSERVED DURING OUR DRIVER RIDE ALONG OBSERVATIONS BECAUSE THIS IS USUALLY WHEN DRIVERS ARE ON THEIR BEST BEHAVIOR.
Recommendations/Actions:	THIS INCIDENT WAS DISCUSSED WITH ALL OUR DRIVERS DURING OUR QUARTERLY SAFETY MEETINGS IN FEBRUARY. FLYERS TRANSPORTATION HAS RECENTLY SIGNED A CONTRACT WITH SMARTDRIVE SYSTEMS A VIDEO INTELLIGENCE SOLUTIONS PROVIDER TO INSTALL BOTH FORWARD AND DRIVER FACING CAMERAS IN OUR ENTIRE FLEET. THE LIABILITY COVERAGE IS GREAT BUT THE KEY SELLING POINT IS THEIR VIDEO SAFETY COACHING SYSTEM THAT WILL ALLOW US TO PRO-ACTIVELY COACH DRIVERS ON HABITS OR BEHAVIORS THAT WOULDNGCOT NORMALLY HAVE BEEN OBSERVED DURING OUR DRIVER RIDE ALONG OBSERVATIONS BECAUSE THIS IS USUALLY WHEN DRIVERS ARE ON THEIR BEST BEHAVIOR.
HMIS Serious Incident Ind:	Yes
HMIS Serious Fatality:	No
HMIS Serious Injury:	No
HMIS Serious Flight Plan:	No
HMIS Serious Evacuations:	No
HMIS Serious Major Artery:	Yes
HMIS Serious Bulk Release:	No
HMIS Serious Marine Pollutant:	No
HMIS Serious Radioactive:	No
HMIS General Package Type:	OHMIR.Ref_Container.descr
HMIS Container Code:	MC306
HMIS Container Description:	Cargo tanks
HMIS Bulk Incident Indicator:	Yes
Undeclared Shipment:	No

A6 **LA-Z-BOY** **HAZNET S112999003**
Target **301 TENNESSEE ST** **HWTS N/A**
Property **REDLANDS, CA 92372**

Site 6 of 8 in cluster A

Actual:
1266 ft.

HAZNET:

Name:	LA-Z-BOY
Address:	301 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923752080
Contact:	DARRELL E. MEALER
Telephone:	9092512537
Mailing Name:	Not reported
Mailing Address:	PO BOX 8880
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	NMD002208627
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

LA-Z-BOY (Continued) **S112999003**

Tons:	0.00000
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	NMD002208627
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03550
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	NED981723513
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	CAD044429835
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.80000
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.20000
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	CAD044429835
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22935
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	CAD059494310
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.20000
Year:	2019
Gepaid:	CAD005544465
TSD EPA ID:	NED981723513
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.30000

LA-Z-BOY (Continued) **S112999003**

Year: 2019
Gepaid: CAD005544465
TSD EPA ID: NED981723513
CA Waste Code: 281 - Adhesives
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.50000

Year: 2019
Gepaid: CAD005544465
TSD EPA ID: NMD002208627
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03400

Click this hyperlink while viewing on your computer to access
26 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1995
Gen EPA ID: CAD005544465

Shipment Date: 19950207
Creation Date: 3/29/1996 0:00:00
Receipt Date: 19950210
Manifest ID: 93447274
Trans EPA ID: CAD000048934
Trans Name: Not reported
Trans 2 EPA ID: CAD000048934
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: Not reported
TSDF Alt EPA ID: CAT000646117
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 2.6125
Waste Quantity: 5225
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD005544465

Shipment Date: 19931116
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931118
Manifest ID: 92794992
Trans EPA ID: CAD042932517

LA-Z-BOY (Continued) **S112999003**

Trans Name:	Not reported
Trans 2 EPA ID:	CAD042932517
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD005544465
Shipment Date:	20100519
Creation Date:	1/10/2012 9:44:42
Receipt Date:	20100609
Manifest ID:	000305612WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC / SIGNAL HILL
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.726
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD005544465
Shipment Date:	20081028
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081104
Manifest ID:	000563990JJK

LA-Z-BOY (Continued) **S112999003**

Trans EPA ID:	CAD980893325
Trans Name:	GOLDEN WEST OIL CO INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD005544465
Shipment Date:	20120918
Creation Date:	8/22/2013 22:15:07
Receipt Date:	20121001
Manifest ID:	000482244WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120918
Creation Date:	8/22/2013 22:15:07
Receipt Date:	20121001
Manifest ID:	000482244WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	Not reported

LA-Z-BOY (Continued) **S112999003**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120407
Creation Date:	8/2/2012 11:44:07
Receipt Date:	20120412
Manifest ID:	000263495GBF
Trans EPA ID:	CAR000152058
Trans Name:	EARTHWISE SERVICES LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120112
Creation Date:	6/9/2012 20:30:10
Receipt Date:	20120123
Manifest ID:	000445983WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC / SIGNAL HILL
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

LA-Z-BOY (Continued) **S112999003**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120112
Creation Date:	6/9/2012 20:30:10
Receipt Date:	20120123
Manifest ID:	000445983WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC / SIGNAL HILL
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD005544465
Shipment Date:	20050616
Creation Date:	8/17/2005 18:33:44
Receipt Date:	20050617
Manifest ID:	24424752
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	BDC - SPECIAL WASTE SERVICES
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.5284
Waste Quantity:	3

LA-Z-BOY (Continued) **S112999003**

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD005544465
Shipment Date:	20150220
Creation Date:	8/6/2015 22:15:06
Receipt Date:	20150312
Manifest ID:	004735881SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150220
Creation Date:	6/25/2015 22:15:36
Receipt Date:	20150312
Manifest ID:	004735880SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LA-Z-BOY (Continued) **S112999003**

Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: LA-Z-BOY
Address: 301 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923720000
EPA ID: CAD005544465
Inactive Date: 06/30/2020
Create Date: 06/15/1983
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: PO BOX 8880
Mailing Address 2: Not reported
Mailing City,State,Zip: REDLANDS, CA 923752080
Owner Name: LA-Z-BOY CHAIR CO
Owner Address: 1284 N TELEGRAPH RD
Owner Address 2: Not reported
Owner City,State,Zip: MONROE, MI 481610000
Contact Name: DARRELL E. MEALER
Contact Address: PO BOX 8880
Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 92375

NAICS:
EPA ID: CAD005544465
Create Date: 2004-10-20 10:23:57.043
NAICS Code: 337121
NAICS Description: Upholstered Household Furniture Manufacturing
Issued EPA ID Date: 1983-06-15 00:00:00
Inactive Date: 2020-06-30 00:00:00
Facility Name: LA-Z-BOY
Facility Address: 301 TENNESSEE ST
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: Not reported
Facility State: CA
Facility Zip: 923720000

A7 **HAHAN CONTRACTORS** **HAZNET** **S118213637**
Target **301 TENNESSEE ST** **HWTS** **N/A**
Property **REDLANDS, CA 92373**

Site 7 of 8 in cluster A

Actual:
1266 ft.

HAZNET:
Name: HAHAN CONTRACTORS
Address: 301 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738125
Contact: DAVID STUCKER
Telephone: 9099002110
Mailing Name: Not reported
Mailing Address: 301 TENNESSEE ST

Year: 2014

HAHAN CONTRACTORS (Continued) **S118213637**

Gepaid: CAC002775116
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Additional Info:
Year: 2014
Gen EPA ID: CAC002775116

Shipment Date: 20140620
Creation Date: 8/18/2014 22:15:10
Receipt Date: 20140625
Manifest ID: 000039123WAS
Trans EPA ID: CAR000240838
Trans Name: SPECIALIZED ENVIRONMENTAL INC
Trans 2 EPA ID: CAR000049064
Trans 2 Name: ECTI
TSDF EPA ID: CAD009007626
Trans Name: AZUSA LAND RECLAMATION
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: HAHAN CONTRACTORS
Address: 301 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738125
EPA ID: CAC002775116
Inactive Date: 09/16/2014
Create Date: 06/17/2014
Last Act Date: 09/17/2014
Mailing Name: Not reported
Mailing Address: 301 TENNESSEE ST
Mailing Address 2: Not reported
Mailing City,State,Zip: REDLANDS, CA 923738125
Owner Name: LAZY BOY WEST
Owner Address: 301 TENNESSEE ST
Owner Address 2: Not reported
Owner City,State,Zip: REDLANDS, CA 923738125
Contact Name: DAVID STUCKER
Contact Address: 301 TENNESSEE ST

HAHAN CONTRACTORS (Continued) **S118213637**

Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738125

A8 **LA-Z-BOY WEST** **FINDS** **1006080012**
Target **301 TENNESSEE ST** **ECHO** **N/A**
Property **REDLANDS, CA 92373**

Site 8 of 8 in cluster A

Actual:
1266 ft.

FINDS:
Registry ID: 110002144448

Click Here:

Environmental Interest/Information System:
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
OSHA ESTABLISHMENT
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
RISK AND TECHNOLOGY REVIEW
HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1006080012
Registry ID: 110002144448
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002144448
Name: LA-Z-BOY WEST
Address: 301 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373

B9 **SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER** **FINDS 1024631027**
287 TENNESSEE ST **ECHO N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 1 of 16 in cluster B

Relative: FINDS:
Higher Registry ID: 110070419414

Actual:
1269 ft. Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110037380312

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024631027
Registry ID:	110037380312
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110037380312
Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373

Envid:	1024631027
Registry ID:	110070419414
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070419414
Name:	SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373

B10 **SCE-REDLANDS** **UST U003784749**
287 TENNESSEE ST **N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 2 of 16 in cluster B

Relative: UST:
Higher

Name:	SCE-REDLANDS
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	86009045
Permitting Agency:	SAN BERNARDINO COUNTY

Actual:
1269 ft.

SCE-REDLANDS (Continued) **U003784749**

CERSID: Not reported
Latitude: 34.05527
Longitude: -117.20006

B11 **REDLANDS SERVICE CENTER** **AST** **U001575466**
287 TENNESSEE ST **HIST UST** **N/A**
< 1/8 **REDLANDS, CA 92373** **ENF**
1 ft.

Site 3 of 16 in cluster B

Relative: Higher
Actual: 1269 ft.

AST:
Name: SCE-REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City/Zip: REDLANDS,92373
Certified Unified Program Agencies: Not reported
Owner: Southern California Edison
Total Gallons: Not reported
CERSID: 10044484
Facility ID: FA0006044
Business Name: Southern California Edison, Transmission and Distribution Organization (TD)
Phone: (626) 302-1212
Fax: Not reported
Mailing Address: P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Mailing Address City: Rosemead
Mailing Address State: CA
Mailing Address Zip Code: 91770
Operator Name: Southern California Edison
Operator Phone: (626) 302-1212
Owner Phone: (626) 302-1212
Owner Mail Address: P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Owner State: CA
Owner Zip Code: 91770
Owner Country: United States
Property Owner Name: Southern California Edison
Property Owner Phone: (626) 302-1212
Property Owner Mailing Address: P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Property Owner City: Rosemead
Property Owner Stat : CA
Property Owner Zip Code: 91770
Property Owner Country: United States
EPAID: CAR000194191

HIST UST:
Name: REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
File Number: 0002A6AD
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A6AD.pdf
Region: STATE
Facility ID: 00000022199
Facility Type: Other
Other Type: ELECTRIC UTILITY
Contact Name: Not reported
Telephone: 8185721801
Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Owner Address: 2244 WALNUT GROVE AVENUE
Owner City,St,Zip: ROSEMEAD, CA 91770

REDLANDS SERVICE CENTER (Continued) **U001575466**

Total Tanks: 0001

Tank Num: 001
Container Num: 234
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 001
Container Num: 471
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 5
Container Construction Thickness: X
Leak Detection: None

Tank Num: 001
Container Num: 471
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 5
Container Construction Thickness: X
Leak Detection: None

Tank Num: 001
Container Num: 234
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

ENF:
Name: ILLEGAL DISCHARGE-KIMBERLY POL
Address: 287 TENNESSEE
City,State,Zip: REDLANDS, CA
Region: 8
Facility Id: 232228
Agency Name: Reliant Energy
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported

REDLANDS SERVICE CENTER (Continued) **U001575466**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	UNREGS
# Of Programs:	Not reported
WDID:	8 362680N01
Reg Measure Id:	163844
Reg Measure Type:	Unregulated
Region:	8
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	233232
Region:	8
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Referral to Other Agency
Effective Date:	04/15/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported

REDLANDS SERVICE CENTER (Continued) **U001575466**

Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 8 362680N01
Description:	The case was referred to San Bernardino Fire/HazMat. The cash settlement went to San Bernardino Fire/HazMat.
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

B12 **SOUTHERN CALIFORNIA EDISON** **ECHO** **1026180606**
287 TENNESSEE **N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 4 of 16 in cluster B

Relative: Higher
Actual: 1269 ft.

ECHO:

Envid:	1026180606
Registry ID:	110070317584
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070317584
Name:	SOUTHERN CALIFORNIA EDISON
Address:	287 TENNESSEE
City,State,Zip:	REDLANDS, CA 92373

B13 **SUNWEST ENGINEERING** **HAZNET** **S112986045**
287 TENNESSEE ST **HWTS** **N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 5 of 16 in cluster B

Relative: Higher
Actual: 1269 ft.

HAZNET:

Name:	SUNWEST ENGINEERING
Address:	287 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923734438
Contact:	MADELIENE GARCIA
Telephone:	9095949850
Mailing Name:	Not reported
Mailing Address:	2766 POMONA BLVD
Year:	2012
Gepaid:	CAC002666433
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.035

SUNWEST ENGINEERING (Continued) **S112986045**

Year:	2011
Gepaid:	CAC002666433
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.035

Year:	2003
Gepaid:	CAC002666433
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.1

Year:	2003
Gepaid:	CAC002666433
TSD EPA ID:	CAD028409019
CA Waste Code:	461 - Paint sludge
Disposal Method:	H01 - Transfer Station
Tons:	1.6856

Year:	2003
Gepaid:	CAC002666433
TSD EPA ID:	CAD028409019
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.05

Year:	2003
Gepaid:	CAC002666433
TSD EPA ID:	CAD028409019
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	T01 - Treatment, Tank
Tons:	0.323

Additional Info:

Year:	2011
Gen EPA ID:	CAC002666433
Shipment Date:	20110505
Creation Date:	10/12/2011 18:30:21
Receipt Date:	20110513
Manifest ID:	004766988FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

SUNWEST ENGINEERING (Continued) **S112986045**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAC002666433
Shipment Date:	20120706
Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	004767805FLE
Trans EPA ID:	CAR000177576
Trans Name:	DOUBLE BARREL ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAC002666433
Shipment Date:	20031021
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031024
Manifest ID:	21885870
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride,

SUNWEST ENGINEERING (Continued) **S112986045**

	perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031021
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031024
Manifest ID:	21885870
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031021
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031024
Manifest ID:	21885870
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SUNWEST ENGINEERING (Continued) **S112986045**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031021
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031024
Manifest ID:	21885870
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.323
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SUNWEST ENGINEERING
Address:	287 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923734438
EPA ID:	CAC002666433
Inactive Date:	11/02/2011
Create Date:	05/05/2011
Last Act Date:	05/05/2011
Mailing Name:	Not reported
Mailing Address:	2766 POMONA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	POMONA, CA 917683222
Owner Name:	MADELIENE GARCIA
Owner Address:	2766 POMONA BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	POMONA, CA 917683222
Contact Name:	MADELIENE GARCIA
Contact Address:	2766 POMONA BLVD
Contact Address 2:	Not reported
City,State,Zip:	POMONA, CA 917683222

B14 **SOUTHERN CALIFORNIA EDISON** **SWEEPS UST** **S101591739**
287 TENNESSEE ST **HIST UST** **N/A**
< 1/8 **REDLANDS, CA 92373** **CA FID UST**
1 ft. **NPDES**
Site 6 of 16 in cluster B **CIWQS**
CERS

Relative:
Higher

Actual:
1269 ft.

SWEEPS UST:

Name:	SOUTHERN CALIFORNIA EDISON
Address:	287 TENNESSEE ST
City:	REDLANDS
Status:	Active
Comp Number:	22199
Number:	9
Board Of Equalization:	44-003931
Referral Date:	09-10-91
Action Date:	09-10-91
Created Date:	02-29-88
Owner Tank Id:	234
SWRCB Tank Id:	36-000-022199-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	REDLANDS SERVICE CENTER
Address:	287 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002A6D1
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A6D1.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported

SOUTHERN CALIFORNIA EDISON (Continued) **S101591739**

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 36008797
Regulated By: UTNKA
Regulated ID: 00022199
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8185721801
Mail To: Not reported
Mailing Address: BOX 800 ATN:ENV OPER
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92373
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

NPDES:
Name: REDLANDS SERVICE CENTER
Address: 287 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92373
Facility Status: Active
NPDES Number: CAS000002
Region: 8
Agency Number: 0
Regulatory Measure ID: 536263
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 8 36C394095
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/09/2021
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2244 Walnut Grove Ave GO 1 Quad 2C
Discharge Name: Southern California Edison
Discharge City: Rosemead
Discharge State: California
Discharge Zip: 91770
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

SOUTHERN CALIFORNIA EDISON (Continued) **S101591739**

Name:	REDLANDS SERVICE CENTER
Address:	287 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C394095
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/09/2021
Operator Name:	Southern California Edison
Operator Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Operator City:	Rosemead
Operator State:	California
Operator Zip:	91770

CIWQS:

Name:	REDLANDS SERVICE CENTER
Address:	287 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
Agency:	Southern California Edison
Agency Address:	2244 Walnut Grove Ave GO 1 Quad 2C, Rosemead, CA 91770
Place/Project Type:	Construction - Reconstruction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C394095
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/09/2021
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.0553
Longitude:	-117.20006

SOUTHERN CALIFORNIA EDISON (Continued) **S101591739**

CERS:
- Name: REDLANDS SERVICE CENTER
- Address: 287 TENNESSEE STREET
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 587776
- CERS ID: 894064
- CERS Description: Construction Storm Water

Affiliation:
- Affiliation Type Desc: Owner/Operator
- Entity Name: Southern California Edison
- Entity Title: Operator
- Affiliation Address: 2244 Walnut Grove Ave GO 1 Quad 2C
- Affiliation City: Rosemead
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 91770
- Affiliation Phone: ,

B15 **SCE REDLANDS SERVICE CENTER** **CERS HAZ WASTE** **S113178669**
287 TENNESSEE ST **CERS TANKS** **N/A**
< 1/8 **REDLANDS, CA 92373** **HAZNET**
1 ft. **San Bern. Co. Permit**
Site 7 of 16 in cluster B **CERS**
HWTS

Relative:
Higher

Actual:
1269 ft.

CERS HAZ WASTE:
- Name: SCE REDLANDS SERVICE CENTER
- Address: 287 TENNESSEE ST
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 151580
- CERS ID: 10044484
- CERS Description: Hazardous Waste Generator

CERS TANKS:
- Name: SCE REDLANDS SERVICE CENTER
- Address: 287 TENNESSEE ST
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 151580
- CERS ID: 10044484
- CERS Description: Aboveground Petroleum Storage

HAZNET:
- Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
- Address: 287 TENNESSEE ST
- Address 2: Not reported
- City,State,Zip: REDLANDS, CA 917700000
- Contact: SARA M. DUVALL
- Telephone: 6268628458
- Mailing Name: Not reported
- Mailing Address: PO BOX 800

- Year: 2019
- Gepaid: CAR000194191
- TSD EPA ID: CAD050806850
- CA Waste Code: 731 - Liquids with polychloronated biphenyls >= 50 Mg./L

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01984
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.50000
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15000
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22500
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.70841
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00000
Year:	2019
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	42.43700
Year:	2018
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	194.53450
Year:	2018
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	12.37850
Year:	2018
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.12500

Click this hyperlink while viewing on your computer to access
106 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2016
Gen EPA ID:	CAR000194191
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.87609
Waste Quantity:	795
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00992
Waste Quantity:	9
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.862
Waste Quantity:	7724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790343FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.362
Waste Quantity:	16724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6215
Waste Quantity:	1243
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000194191

Shipment Date:	20131226
Creation Date:	3/21/2014 22:15:11
Receipt Date:	20131226

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Manifest ID:	006793594FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.755
Waste Quantity:	5510
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131226
Creation Date:	3/21/2014 22:15:11
Receipt Date:	20131226
Manifest ID:	006793587FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9205
Waste Quantity:	1841
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2775
Waste Quantity:	555
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.331
Waste Quantity:	2662
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	6.359

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Quantity:	12718
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0022
Waste Quantity:	2
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.29
Waste Quantity:	2580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.025
Waste Quantity:	14050
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131213
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131213
Manifest ID:	009011360JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.266
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000194191
Shipment Date:	20081231
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081231
Manifest ID:	001751310FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5035
Waste Quantity:	1007
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081231
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081231
Manifest ID:	001751310FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.113
Waste Quantity:	2226
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081219
Creation Date:	4/3/2009 18:30:19
Receipt Date:	20081219
Manifest ID:	001751202FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.74
Waste Quantity:	1480
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081219
Creation Date:	4/3/2009 18:30:19
Receipt Date:	20081219
Manifest ID:	001751202FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.925

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Quantity:	1850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081212
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081212
Manifest ID:	001751158FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081212
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081212
Manifest ID:	001751162FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2775
Waste Quantity:	2555
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.511
Waste Quantity:	1022
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	14.1985
Waste Quantity:	28397
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.58247
Waste Quantity:	1436
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.7654
Waste Quantity:	1602
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000194191

Shipment Date:	20121221
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121221
Manifest ID:	010157691JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2575
Waste Quantity:	515
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.048

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Quantity:	14096
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2365
Waste Quantity:	473
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8465
Waste Quantity:	1693
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.079
Waste Quantity:	10158
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.218
Waste Quantity:	436
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121129
Manifest ID:	004954822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.515
Waste Quantity:	1030
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121129
Manifest ID:	004954822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000194191
Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.565
Waste Quantity:	7130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.17

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Quantity:	340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.9855
Waste Quantity:	11971
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.345
Waste Quantity:	690
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141124
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141124
Manifest ID:	013755933JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.779
Waste Quantity:	205
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	3/27/2015 22:15:05
Receipt Date:	20141120
Manifest ID:	007583637FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141126
Manifest ID:	007583635FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	322 - Biological waste other than sewage sludge
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAR000194191
Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	11.9545
Waste Quantity:	23909

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171221
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171221
Manifest ID:	009976678FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.4875
Waste Quantity:	10975
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171221
Manifest ID:	009976678FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.05
Waste Quantity:	8100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000194191
Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.117
Waste Quantity:	234
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6615
Waste Quantity:	1323
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.041
Waste Quantity:	82
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5515
Waste Quantity:	3103
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9125
Waste Quantity:	1825
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0456
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091210
Manifest ID:	002685578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.012
Waste Quantity:	24
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091210
Manifest ID:	002685578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.607
Waste Quantity:	1214
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091210
Manifest ID:	002685578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.129
Waste Quantity:	2258
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAR000194191
Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.934
Waste Quantity:	1868
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.146
Waste Quantity:	292
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2635
Waste Quantity:	527
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.7225
Waste Quantity:	1445
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1205
Waste Quantity:	241
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.2995
Waste Quantity:	6599
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101202
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101202
Manifest ID:	003945761FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Gen EPA ID:	CAR000194191
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.179
Waste Quantity:	2358
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.34
Waste Quantity:	680
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4785
Waste Quantity:	957
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	68
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111215
Creation Date:	3/16/2012 20:30:47
Receipt Date:	20111219
Manifest ID:	009011361JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.646
Waste Quantity:	170
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111215

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111215
Manifest ID:	004958672FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.318
Waste Quantity:	2636
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000194191
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00992
Waste Quantity:	9
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.862
Waste Quantity:	7724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.87609
Waste Quantity:	795

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6215
Waste Quantity:	1243
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.43639
Waste Quantity:	396
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.362
Waste Quantity:	16724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006044
Owner:	Southern California Edison

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Permit Number: PT0002335
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0020865
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0002334
Permit Category: SUPER LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0037275
Permit Category: HAZARDOUS WASTE CONSOLIDATION (NB)
Facility Status: FEE EXEMPT
Expiration Date: 09/30/2017

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0021377
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0021376
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0011880
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0011881
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

CERS:
Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 151580
CERS ID: 10044484
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-31-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION. CAR WASH
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-31-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-31-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Coordinates:
- Site ID: 151580
- Facility Name: SCE Redlands Service Center
- Env Int Type Code: HWG
- Program ID: 10044484
- Coord Name: Not reported
- Ref Point Type Desc: Unknown,
- Latitude: 34.055229
- Longitude: -117.200091

Affiliation:
- Affiliation Type Desc: Identification Signer
- Entity Name: Dina Martino
- Entity Title: Consultant
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

- Affiliation Type Desc: Property Owner
- Entity Name: Southern California Edison
- Entity Title: Not reported
- Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
- Affiliation City: Rosemead
- Affiliation State: CA
- Affiliation Country: United States
- Affiliation Zip: 91770
- Affiliation Phone: (626) 302-1212,

- Affiliation Type Desc: CUPA District
- Entity Name: San Bernardino County Fire
- Entity Title: Not reported
- Affiliation Address: 620 South E Street
- Affiliation City: San Bernardino
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 92415-0153
- Affiliation Phone: (909) 386-8401,

- Affiliation Type Desc: Document Preparer
- Entity Name: Dina Martino
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

- Affiliation Type Desc: Environmental Contact
- Entity Name: Environmental Notification Center
- Entity Title: Not reported
- Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
- Affiliation City: Rosemead

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91770
Affiliation Phone: (626) 302-1212,

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923730000
EPA ID: CAR000194191
Inactive Date: Not reported
Create Date: 08/19/2008
Last Act Date: 09/30/2020
Mailing Name: Not reported

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Mailing Address: PO BOX 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770

NAICS:
EPA ID: CAR000194191
Create Date: 2009-12-03 12:41:18.000
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 2008-08-19 11:12:38.99700
Inactive Date: Not reported
Facility Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Facility Address: 287 TENNESSEE ST
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: Not reported
Facility State: CA
Facility Zip: 923730000

Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000418076
Inactive Date: 06/30/2018
Create Date: 06/13/2016
Last Act Date: 10/04/2018
Mailing Name: Not reported
Mailing Address: PO BOX 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770

NAICS:
EPA ID: CAL000418076
Create Date: 2016-06-13 11:42:47.230
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 2016-06-13 11:42:47.23000
Inactive Date: 2018-06-30 00:00:00
Facility Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Facility Address: 287 TENNESSEE ST

SCE REDLANDS SERVICE CENTER (Continued) **S113178669**

Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

B16 **SCE-REDLANDS SERVICE CENTER** **AST** **S104905531**
287 TENNESSEE **N/A**
< 1/8 **REDLANDS, CA**
1 ft.

Site 8 of 16 in cluster B

Relative: AST:
Higher

Name:	SCE-REDLANDS SERVICE CENTER
Address:	287 TENNESSEE
City/Zip:	REDLANDS,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	14,700
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Actual:
1269 ft.

B17 **SCE REDLANDS SERVICE CENTER** **RCRA-LQG** **1011488253**
287 TENNESSEE ST **CAR000194191**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 9 of 16 in cluster B

Relative: RCRA-LQG:
Higher

Date Form Received by Agency:	20101207
Handler Name:	SCE REDLANDS SERVICE CENTER
Handler Address:	287 TENNESSEE ST
Handler City,State,Zip:	REDLANDS, CA 92373

Actual:
1269 ft.

SCE REDLANDS SERVICE CENTER (Continued) **1011488253**

EPA ID:	CAR000194191
Contact Name:	SARA M DUVALL
Contact Address:	PO BOX 800
Contact City,State,Zip:	ROSEMEAD, CA 91770
Contact Telephone:	626-302-4187
Contact Fax:	626-302-2031
Contact Email:	SARA.DUVALL@SCE.COM
Contact Title:	TECHNICAL SPEC
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 800
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Type:	Private
Operator Name:	SOUTHERN CALIFORNIA EDISON
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

SCE REDLANDS SERVICE CENTER (Continued) **1011488253**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110119
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

SCE REDLANDS SERVICE CENTER (Continued) **1011488253**

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON
Legal Status: Private
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 800
Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-302-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON
Legal Status: Private
Date Became Current: 19590101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 800
Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON
Legal Status: Private
Date Became Current: 19590101
Date Ended Current: Not reported

SCE REDLANDS SERVICE CENTER (Continued) **1011488253**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Private
Date Became Current:	19590101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20080725
Handler Name: REDLANDS SERVICE CENTER	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20101207
Handler Name: SCE REDLANDS SERVICE CENTER	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B18 **SOUTHERN CALIFORNIA EDISON** **FINDS** **1024402820**
287 TENNESSEE **N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 10 of 16 in cluster B

Relative: FINDS:
Higher Registry ID: 110070317584

Actual:
1269 ft. Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
OSHA ESTABLISHMENT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B19 **SOUTHERN CALIFORNIA EDISON CO.** **HAULERS** **S127784098**
287 TENNESSEE STREET **N/A**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 11 of 16 in cluster B

Relative: HAULERS:
Higher

Actual:
1269 ft.

Name:	SOUTHERN CALIFORNIA EDISON CO.
Address:	287 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	1299639
Facility Phone:	(909) 469-0313
Business Email Address:	joseph.soquiat@sce.com
Contact Person:	Joseph Soquiat
Mailing Address:	2244 Walnut Grove Ave
Mailing City:	Rosemead
Mailing State:	CA
Mailing Zip:	91770
Mailing County:	Los Angeles
Mailing Phone:	Not reported
Current Status:	Active
Current Hauler Status:	Not reported
Accepting Tires From Public:	Not reported
Regulatory Status Last Changed:	Not reported
Business Types:	Not reported

B20 **SOUTHERN CALIFORNIA EDISON** **RCRA-LQG** **1007199574**
287 TENNESSEE **CAD981681497**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 12 of 16 in cluster B

Relative: RCRA-LQG:
Higher

Actual:
1269 ft.

Date Form Received by Agency:	19960229
Handler Name:	SOUTHERN CALIFORNIA EDISON
Handler Address:	287 TENNESSEE
Handler City,State,Zip:	REDLANDS, CA 92373

SOUTHERN CALIFORNIA EDISON (Continued) **1007199574**

EPA ID:	CAD981681497
Contact Name:	KATHRYN VANDERSLICE
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	818-302-9320
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not reported
Non-Notifier:	Not reported
Biennial Report Cycle:	1995
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 800
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	Not reported
Importer Activity:	Not reported
Mixed Waste Generator:	Not reported
Transporter Activity:	Not reported
Transfer Facility Activity:	Not reported
Recycler Activity with Storage:	Not reported
Small Quantity On-Site Burner Exemption:	Not reported
Smelting Melting and Refining Furnace Exemption:	Not reported
Underground Injection Control:	Not reported
Off-Site Waste Receipt:	Not reported
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

SOUTHERN CALIFORNIA EDISON (Continued) **1007199574**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140916
Recognized Trader-Importer:	Not reported
Recognized Trader-Exporter:	Not reported
Importer of Spent Lead Acid Batteries:	Not reported
Exporter of Spent Lead Acid Batteries:	Not reported
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	19960229
Handler Name: SOUTHERN CALIFORNIA EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	2211
NAICS Description:	ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B21 **SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER** **RCRA NonGen / NLR** **1024855461**
287 TENNESSEE ST **CAL000418076**
< 1/8 **REDLANDS, CA 92373**
1 ft.

Site 13 of 16 in cluster B

Relative: RCRA NonGen / NLR:
Higher

Actual: Date Form Received by Agency: 20160613
1269 ft. Handler Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Handler Address: 287 TENNESSEE ST
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000418076
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact City,State,Zip: ROSEMEAD, CA 91770
Contact Telephone: 626-862-8458
Contact Fax: Not reported
Contact Email: SARA.DUVALL@SCE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 800
Mailing City,State,Zip: ROSEMEAD, CA 91770-0000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Type: Other
Operator Name: SARA M. DUVALL
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: Yes
Universal Waste Destination Facility: Yes
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1024855461**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 800
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770-0000
Owner/Operator Telephone:	626-862-8458
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SARA M. DUVALL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 800
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-862-8458
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1024855461**

Historic Generators:
- Receive Date: 20160613
- Handler Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 221122
- NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

B22 **CENTRUM ANALYTICAL LABORATORIES** **RCRA-SQG** **1000978072**
ESE **290 TENNESSEE ST** **FINDS** **CAD982333262**
< 1/8 **REDLANDS, CA 92373** **ECHO**
0.017 mi. **HAZNET**
89 ft. **Site 14 of 16 in cluster B** **HWTS**

Relative: Higher
Actual: 1270 ft.

RCRA-SQG:
- Date Form Received by Agency: 19970404
- Handler Name: CENTRUM ANALYTICAL LABORATORIES
- Handler Address: 290 TENNESSEE ST
- Handler City,State,Zip: REDLANDS, CA 92373
- EPA ID: CAD982333262
- Contact Name: ROBERT CLARK
- Contact Address: 290 TENNESSEE ST
- Contact City,State,Zip: REDLANDS, CA 92373
- Contact Telephone: 909-798-9336
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Private
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: TENNESSEE ST
- Mailing City,State,Zip: REDLANDS, CA 92373
- Owner Name: CENTRUM ANALYTICAL LABORATORIES

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CENTRUM ANALYTICAL LABORATORIES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 290 TENNESSEE ST
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-798-9336
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19970404
Handler Name: CENTRUM ANALYTICAL LABORATORIES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002795725

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

ECHO:

Envid:	1000978072
Registry ID:	110002795725
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002795725
Name:	CENTRUM ANALYTICAL LABORATORIES
Address:	290 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373

HAZNET:

Name:	CENTRUM ANALYTICAL LABORATORIES
Address:	290 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
Contact:	ROBERT R CLARK
Telephone:	9097989336
Mailing Name:	Not reported
Mailing Address:	1401 RESEARCH PARK DR
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	-
Tons:	0.4775
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	-
Tons:	0.2085
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	-
Tons:	1
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	711 - Liquids with cyanides >= 1,000 Mg./L
Disposal Method:	-
Tons:	0.0417
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	CAD044429835
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	D99 - Disposal, Other
Tons:	0.001
Year:	2001
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	-
Tons:	0.417
Year:	2000
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	-
Tons:	1.5429
Year:	2000
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	-
Tons:	2.4
Year:	1999
Gepaid:	CAD982333262
TSD EPA ID:	AZD980892731
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	-
Tons:	1.1465
Year:	1999
Gepaid:	CAD982333262
TSD EPA ID:	CAD097030993
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	R01 - Recycler
Tons:	0.2085

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2001
Gen EPA ID:	CAD982333262
Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.417
Waste Quantity:	100

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U044
Meth Code:	- Not reported
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407344
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407344
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407344
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD982333262
Shipment Date:	20001020

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Creation Date:	2/1/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20404983
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000804
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99703069
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000804
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99703070
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000510
Creation Date:	6/21/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99707931
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000215
Creation Date:	4/4/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99708814
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000215
Creation Date:	4/4/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99708815
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD982333262
Shipment Date:	19971110
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971118
Manifest ID:	96687153
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Shipment Date:	19971110
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	96687152
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970818
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970820
Manifest ID:	96364381
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970307
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970311
Manifest ID:	96039613
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970307
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970317
Manifest ID:	96039614
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970217
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970219
Manifest ID:	96363989
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD982333262
Shipment Date:	19931222
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931228
Manifest ID:	93043771
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931201
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931228
Manifest ID:	93045535
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.221
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 5:	Not reported
Shipment Date:	19931012
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931026
Manifest ID:	92754238
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931012
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931105
Manifest ID:	92754241
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930803
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930812
Manifest ID:	92755640
Trans EPA ID:	CAD980585293
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930603
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930621
Manifest ID:	92753726
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930416
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92754406
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930305
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92754866
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD982333262
Shipment Date:	19951018
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951020
Manifest ID:	95340854
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950831
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950907
Manifest ID:	95339853
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950822
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950824
Manifest ID:	95339766
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950822
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950824
Manifest ID:	95339766
Trans EPA ID:	CAD980585293

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950731
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950801
Manifest ID:	95328362
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950613
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950619
Manifest ID:	93626762
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950613
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950619
Manifest ID:	93626761
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950309
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950314
Manifest ID:	93043524
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Shipment Date:	19950309
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950310
Manifest ID:	93043525
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950307
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950314
Manifest ID:	93644241
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD982333262

Shipment Date:	19981217
Creation Date:	3/1/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	96040196

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981217
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	96040195
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980924
Creation Date:	12/10/1998 0:00:00
Receipt Date:	19981001
Manifest ID:	98245164
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980611
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980617
Manifest ID:	97262784
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2251
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980130
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980205
Manifest ID:	97262889
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2251
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD982333262
Shipment Date:	19941230
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950109
Manifest ID:	93045674
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941014
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941021
Manifest ID:	93624198
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.018
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.7079
Waste Quantity:	0.84
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940524
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940531
Manifest ID:	93627170
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940407
Creation Date:	3/25/1996 0:00:00
Receipt Date:	Not reported
Manifest ID:	93045001
Trans EPA ID:	CAL000121731
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940124
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940202
Manifest ID:	93043945
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD982333262

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Shipment Date:	19961125
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961202
Manifest ID:	96039500
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960806
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960808
Manifest ID:	95738310
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960806
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960813
Manifest ID:	95738309
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960716
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960719
Manifest ID:	96040084
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960611
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960613
Manifest ID:	95738013
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960305
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960313
Manifest ID:	95738683
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960108
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960109
Manifest ID:	95738943
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Gen EPA ID:	CAD982333262
Shipment Date:	19991029
Creation Date:	12/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	95737477
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991029
Creation Date:	12/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99420836
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990920
Creation Date:	11/16/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99421061
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990920
Creation Date:	11/16/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99421061
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990802
Creation Date:	9/1/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99427902
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2293

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990802
Creation Date:	9/1/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99427902
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990611
Creation Date:	7/19/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98895915
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990611

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Creation Date:	7/19/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98895915
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990401
Creation Date:	5/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98892262
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990401
Creation Date:	5/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98892262
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CENTRUM ANALYTICAL LABORATORIES
Address:	290 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAD982333262
Inactive Date:	06/30/2002
Create Date:	12/21/1987
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	1401 RESEARCH PARK DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIVERSIDE, CA 925070000
Owner Name:	ROBERT R CLARK
Owner Address:	290 TENNESSEE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923730000
Contact Name:	ROBERT R CLARK
Contact Address:	INACTIVE PER VQ01 - BMI
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923750000

B23 **NYS/NEW, LLC** **RCRA NonGen / NLR** **1025859793**
East **300 TENNESSEE ST** **CAC003040372**
< 1/8 **REDLANDS, CA 92373**
0.020 mi.
106 ft. **Site 15 of 16 in cluster B**

Relative: **Higher**
Actual: **1270 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20191024
Handler Name:	NYS/NEW, LLC	
Handler Address:		300 TENNESSEE ST
Handler City,State,Zip:		REDLANDS, CA 92373-8170
EPA ID:		CAC003040372
Contact Name:		VERONICA BURGESS
Contact Address:		PO BOX 7538
Contact City,State,Zip:		REDLANDS, CA 92375
Contact Telephone:		909-793-2853
Contact Fax:		Not reported
Contact Email:		VBURGESS@ESRI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported

NYS/NEW, LLC (Continued) **1025859793**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	NYS/NEW, LLC
Mailing City,State,Zip:	REDLANDS, CA 92375
Owner Name:	NYS/ NEW, LLC
Owner Type:	Other
Operator Name:	VERONICA BURGESS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

NYS/NEW, LLC (Continued) **1025859793**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191025
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	VERONICA BURGESS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7538
Owner/Operator City,State,Zip:	REDLANDS, CA 92375
Owner/Operator Telephone:	909-793-2853
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYS/ NEW, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7538
Owner/Operator City,State,Zip:	REDLANDS, CA 92375
Owner/Operator Telephone:	909-793-2853
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191024
Handler Name: NYS/NEW, LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

NYS/NEW, LLC (Continued) **1025859793**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B24 **WESLEY RAY AND SON INC** **HIST UST** **U001575492**
East **300 TENNESSEE ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.020 mi.
106 ft. **Site 16 of 16 in cluster B**

Relative:
Higher

Actual:
1270 ft.

HIST UST:

Name:	WESLEY RAY AND SON INC
Address:	300 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002AA4A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AA4A.pdf
Region:	STATE
Facility ID:	00000048902
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7147922208
Owner Name:	WESLEY RAY & SON, INC.
Owner Address:	300 TENNESSEE ST.
Owner City,St,Zip:	REDLANDS, CA 92373
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

WESLEY RAY AND SON INC (Continued) **U001575492**

Tank Num: 002
Container Num: 2
Year Installed: 1962
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

San Bern. Co. Permit:
Name: WESLEY RAY AND SON INC
Address: 300 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0007250
Owner: WESLEY RAY AND SON INC
Permit Number: PT0007994
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 05/31/2011

C25 **BRONCS TOWING INC** **RCRA NonGen / NLR** **1024874448**
WNW **380 KANSAS ST** **CAL000443104**
< 1/8 **REDLANDS, CA 92373**
0.028 mi.
146 ft. **Site 1 of 5 in cluster C**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20190205
Actual: Handler Name: BRONCS TOWING INC
1250 ft. Handler Address: 380 KANSAS ST
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000443104
Contact Name: MOSTAFA BAHRAMI
Contact Address: 380 KANSAS ST
Contact City,State,Zip: REDLANDS, CA 92373
Contact Telephone: 909-307-0944
Contact Fax: 909-307-5948
Contact Email: BRONCS.TOWING@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 380 KANSAS ST
Mailing City,State,Zip: REDLANDS, CA 92373
Owner Name: BRONCS TOWING INC
Owner Type: Other
Operator Name: MOSTAFA BAHRAMI
Operator Type: Other

BRONCS TOWING INC (Continued) **1024874448**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

BRONCS TOWING INC (Continued) **1024874448**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BRONCS TOWING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 380 KANSAS ST
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-307-0944
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MOSTAFA BAHRAMI
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 380 KANSAS ST
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-307-0944
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190205
Handler Name: BRONCS TOWING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C26 **BRONCS TOWING INC** **CERS HAZ WASTE** **S123531868**
WNW **380 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373** **CERS**
0.028 mi. **HWTS**
146 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
1250 ft.

CERS HAZ WASTE:
Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 518663
CERS ID: 10784845
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018211
Owner: Mostafa Bahrami
Permit Number: PT0039358
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018211
Owner: Mostafa Bahrami
Permit Number: PT0039359
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2022

CERS:
Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 518663
CERS ID: 10784845
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 518663
Site Name: Broncs Towing Inc
Violation Date: 04-25-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: The hazardous materials inventory submitted via CERS on 03/01/2019 does not accurately disclose the quantities of the hazardous materials and/or hazardous waste. Update the hazardous materials inventory to include the following: -(4) 55 gallon drums containing new oil -(2) 55 gallon drums containing used lubricating oil -(1) 55 gallon drum

BRONCS TOWING INC (Continued) **S123531868**

containing waste automotive coolant -(2) 55 gallon drums containing drained used oil filters CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory into the California Environmental Reporting System (CERS).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 518663
Site Name: Broncs Towing Inc
Violation Date: 04-25-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: The site map submitted via CERS on 03/01/2019 was missing the following mapping elements: -Evacuation Staging Area -Utility Shutoffs as applicable for electricity, water, and gas CORRECTIVE ACTION: Submit an accurate and complete site map into the California Environmental Reporting System (CERS).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 518663
Facility Name: Broncs Towing Inc
Env Int Type Code: HMBP
Program ID: 10784845
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.057300
Longitude: -117.203870

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Mostafa Bahrami

BRONCS TOWING INC (Continued) **S123531868**

Entity Title:	Not reported
Affiliation Address:	380 Kansas Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 307-0944,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mostafa Bahrami
Entity Title:	Not reported
Affiliation Address:	380 Kansas Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Amanda Downey
Entity Title:	Facility Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	380 Kansas Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Broncs Towing Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 307-0944,

BRONCS TOWING INC (Continued) **S123531868**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Broncs Towing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	ESRI
Entity Title:	Not reported
Affiliation Address:	380 New York Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-2853,

Affiliation Type Desc:	Document Preparer
Entity Name:	Amanda Downey
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	BRONCS TOWING INC
Address:	380 KANSAS ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000443104
Inactive Date:	06/30/2020
Create Date:	02/05/2019
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	380 KANSAS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	BRONCS TOWING INC
Owner Address:	380 KANSAS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 92373
Contact Name:	MOSTAFA BAHRAMI
Contact Address:	380 KANSAS ST
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAL000443104
Create Date:	2019-02-05 13:27:38.453
NAICS Code:	811198

BRONCS TOWING INC (Continued) **S123531868**

NAICS Description:	All Other Automotive Repair and Maintenance
Issued EPA ID Date:	2019-02-05 13:27:38.43700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	BRONCS TOWING INC
Facility Address:	380 KANSAS ST
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

D27 **UNIROYAL TECH CORP, ROYALITE T** **EMI** **1006824105**
West **300 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.029 mi.
151 ft. **Site 1 of 4 in cluster D**

Relative: EMI:
Lower

Actual:
1249 ft.

Name:	ROYALITE PLASTICS INC
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3079
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ROYALITE PLASTICS INC
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNIROYAL TECH CORP, ROYALITE T
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Year: 1999
County Code: 36
Air Basin: SC
Facility ID: 17917
Air District Name: SC
SIC Code: 3081
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNIROYAL TECH CORP, ROYALITE T
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Year: 2000
County Code: 36
Air Basin: SC
Facility ID: 17917
Air District Name: SC
SIC Code: 3081
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNIROYAL TECH CORP, ROYALITE T
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Year: 2001
County Code: 36
Air Basin: SC
Facility ID: 17917
Air District Name: SC
SIC Code: 3081
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 4

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2002
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.0131
Reactive Organic Gases Tons/Yr: 0.63
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.0444
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.03

Name: SPARTECH PLASTICS CORP
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Year: 2005
County Code: 36
Air Basin: SC
Facility ID: 122712
Air District Name: SC
SIC Code: 3089
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .8283
Reactive Organic Gases Tons/Yr: .8196386
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .0807
Part. Matter 10 Micrometers and Smllr Tons/Yr: .05649

San Bern. Co. Permit:
Name: SMI MODULAR INDUSTRIES OF CA
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0012195
Owner: SMI MODULAR INDUSTRIES OF CA
Permit Number: PT0021487
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 04/30/2010

Name: CURRENT ENTERPRISES MODULAR, LLC
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0010213
Owner: CURRENT ENTERPRISES MODULAR
Permit Number: PT0017360
Permit Category: HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 02/28/2010

Name: SPARTECH PLASTICS
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005820

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Owner: SPARTECH PLASTICS
Permit Number: PT0001481
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 01/31/2006

Name: SPARTECH PLASTICS
Address: 300 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005820
Owner: SPARTECH PLASTICS
Permit Number: PT0001467
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 01/31/2006

D28 **SPARTECH PLASTICS INC** **RCRA-SQG** **1000148996**
West **300 KANSAS STREET** **FINDS** **CAD094724333**
< 1/8 **REDLANDS, CA 92373** **ECHO**
0.029 mi. **HAZNET**
151 ft. **Site 2 of 4 in cluster D** **CERS**
HWTS

Relative:
Lower

Actual:
1249 ft.

RCRA-SQG:

Date Form Received by Agency:		20000411
Handler Name:	SPARTECH PLASTICS INC	
Handler Address:		300 KANSAS STREET
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAD094724333
Contact Name:		MICHAEL KIRBY
Contact Address:		300 KANSAS STREET
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-793-3121
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		300 KANSAS STREET
Mailing City,State,Zip:		REDLANDS, CA 92373
Owner Name:		ALCHEM PLASTICS INC
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

SPARTECH PLASTICS INC (Continued) **1000148996**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D008
Waste Description:	LEAD

SPARTECH PLASTICS INC (Continued) **1000148996**

Waste Code: D009
Waste Description: MERCURY

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ALCHEM PLASTICS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 KANSAS STREET
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-793-3121
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ALCHEM PLASTICS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 KANSAS STREET
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-793-3121
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: SPARTECH PLASTICS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000411
Handler Name: SPARTECH PLASTICS INC

SPARTECH PLASTICS INC (Continued) **1000148996**

Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20000411
Handler Name: SPARTECH PLASTICS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32613
NAICS Description:	LAMINATED PLASTICS PLATE, SHEET (EXCEPT PACKAGING), AND SHAPE MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110070695196

Click Here:

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Registry ID: 110002664475

Click Here:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

SPARTECH PLASTICS INC (Continued) **1000148996**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
HAZARDOUS AIR POLLUTANT MAJOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000148996
Registry ID:	110002664475
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002664475
Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET
City,State,Zip:	REDLANDS, CA 92373

HAZNET:

Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
Contact:	MICHAEL P KIRBY/PLANT MANAGER
Telephone:	9097933121
Mailing Name:	Not reported
Mailing Address:	300 KANSAS ST
Year:	2005
Gepaid:	CAD094724333
TSD EPA ID:	CAT080033681
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	1.7975
Year:	2005
Gepaid:	CAD094724333
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.27
Year:	2005
Gepaid:	CAD094724333
TSD EPA ID:	CAT080033681
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.396

SPARTECH PLASTICS INC (Continued) **1000148996**

Year: 2005
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.8

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.17

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.576

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: R01 - Recycler
Tons: 0.00834

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.45

Year: 2003
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.198

Year: 2003
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.25

Click this hyperlink while viewing on your computer to access
47 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2000
Gen EPA ID: CAD094724333

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	20001103
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001103
Manifest ID:	20151297
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001103
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001103
Manifest ID:	20151297
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000810
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000818
Manifest ID:	20107789
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000613
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000623
Manifest ID:	99778382
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000613
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000623
Manifest ID:	99778382
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000324
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000403
Manifest ID:	99778092
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000324
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000403
Manifest ID:	99778092
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000209
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000222

SPARTECH PLASTICS INC (Continued) **1000148996**

Manifest ID:	99838701
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2
Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000209
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000222
Manifest ID:	99838701
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD094724333

Shipment Date:	19971121
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971122
Manifest ID:	96864354
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.361
Waste Quantity:	95
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971121
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971122
Manifest ID:	96864354
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.608
Waste Quantity:	160
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971121
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971125
Manifest ID:	96864356
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970919
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96864256
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970919
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96864256
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	*** - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970804
Creation Date:	12/4/1997 0:00:00

SPARTECH PLASTICS INC (Continued) **1000148996**

Receipt Date:	19970808
Manifest ID:	96864170
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970804
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970808
Manifest ID:	96864170
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970611
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970611
Manifest ID:	96864076
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970611
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970611
Manifest ID:	96864076
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970509
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970509
Manifest ID:	96864017
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2888
Waste Quantity:	76
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD094724333
Shipment Date:	19930917
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930922
Manifest ID:	93051384
Trans EPA ID:	CAD982472854
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981455520
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930818
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930818
Manifest ID:	93185259
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930818

SPARTECH PLASTICS INC (Continued) **1000148996**

Creation Date: 9/11/1995 0:00:00
Receipt Date: 19930818
Manifest ID: 93185259
Trans EPA ID: CAD983615287
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.688
Waste Quantity: 165
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1998
Gen EPA ID: CAD094724333

Shipment Date: 19981230
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981230
Manifest ID: 98244763
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.35
Waste Quantity: 700
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19981216
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981221
Manifest ID: 98244738
Trans EPA ID: CA0000001818
Trans Name: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981216
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981221
Manifest ID:	98244738
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981007
Creation Date:	11/23/1998 0:00:00
Receipt Date:	19981008
Manifest ID:	98244595
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980824
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980824
Manifest ID:	98244496
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980610
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980610
Manifest ID:	97288745
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.095
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	19980608
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980608
Manifest ID:	97288741
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980608
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980608
Manifest ID:	97288741
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980325
Creation Date:	5/26/1998 0:00:00
Receipt Date:	19980330
Manifest ID:	97288587
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980112
Creation Date: 3/31/1998 0:00:00
Receipt Date: 19980112
Manifest ID: 97288442
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2002
Gen EPA ID: CAD094724333

Shipment Date: 20020918
Creation Date: 2/11/2003 18:31:24
Receipt Date: 20020918
Manifest ID: 21820080
Trans EPA ID: CAR000111286
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020624
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020624
Manifest ID:	21344303
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020624
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020624
Manifest ID:	21344303
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Info:

Year:	1996
Gen EPA ID:	CAD094724333
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960830
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960903
Manifest ID:	96227144
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960604
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960604
Manifest ID:	96226965
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002

SPARTECH PLASTICS INC (Continued) **1000148996**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960506
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960507
Manifest ID:	96226907
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960408
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960409
Manifest ID:	96226851
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	19960312
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960312
Manifest ID:	95574780
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960109
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19960909
Manifest ID:	95574685
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960109
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19960909
Manifest ID:	95574685
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD094724333
Shipment Date:	19991215
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991215
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991215
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991014
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19991014
Manifest ID:	98475909
Trans EPA ID:	CAL000827758
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000827758
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	19991014
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19991014
Manifest ID:	98475909
Trans EPA ID:	CAL000827758
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000827758
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	- Not reported
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990910
Creation Date:	11/18/1999 0:00:00
Receipt Date:	19990920
Manifest ID:	99303358
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990910
Creation Date:	11/18/1999 0:00:00
Receipt Date:	19990920
Manifest ID:	99303358
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0
Waste Quantity:	600
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990701
Creation Date:	9/1/1999 0:00:00
Receipt Date:	19990701
Manifest ID:	99303202
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990416
Creation Date:	6/3/1999 0:00:00
Receipt Date:	19990419
Manifest ID:	98717014
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990416
Creation Date:	6/3/1999 0:00:00
Receipt Date:	19990419
Manifest ID:	98717014
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD094724333
Shipment Date:	20041210
Creation Date:	3/13/2007 18:30:13
Receipt Date:	20041210
Manifest ID:	23863359
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040224
Creation Date:	8/23/2004 8:16:48
Receipt Date:	20040224

SPARTECH PLASTICS INC (Continued) **1000148996**

Manifest ID: 22422380
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.396
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040224
Creation Date: 8/23/2004 8:16:48
Receipt Date: 20040224
Manifest ID: 22422380
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD094724333

Shipment Date: 19941212
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941212
Manifest ID: 93611590
Trans EPA ID: CAD983615287
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941212
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941212
Manifest ID:	93611590
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940810
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	92662397
Trans EPA ID:	CAT080012800
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.3712
Waste Quantity:	4

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940801
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940801
Manifest ID:	93611411
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940801
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940801
Manifest ID:	93611411
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005

SPARTECH PLASTICS INC (Continued) **1000148996**

Gen EPA ID:	CAD094724333
Shipment Date:	20051104
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051104
Manifest ID:	24575864
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.27
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051104
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575866
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051103
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575862
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051103
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575862
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050826
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050826
Manifest ID:	24575685
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35

SPARTECH PLASTICS INC (Continued) **1000148996**

Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050603
Creation Date:	9/13/2005 18:30:54
Receipt Date:	20050603
Manifest ID:	24320665
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050124
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050125
Manifest ID:	23863454
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Info:

Year:	2003
Gen EPA ID:	CAD094724333
Shipment Date:	20031219
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20031229
Manifest ID:	22422267
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030702
Creation Date:	7/23/2004 13:22:40
Receipt Date:	20030708
Manifest ID:	22563500
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030702
Creation Date:	7/23/2004 13:22:40
Receipt Date:	20030708
Manifest ID:	22563500
Trans EPA ID:	CAR000111286

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030127
Creation Date:	5/18/2003 14:32:26
Receipt Date:	20030127
Manifest ID:	21820337
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD094724333

Shipment Date:	19950520
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950523
Manifest ID:	93621886
Trans EPA ID:	CAL000020974
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0842
Waste Quantity:	0.1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950509
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950509
Manifest ID:	93611846
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950509
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950509
Manifest ID:	93611846
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	4.587
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD094724333
Shipment Date:	20010719
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010719
Manifest ID:	20661163
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010719
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010719
Manifest ID:	20661163
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	20010314
Creation Date:	6/12/2001 0:00:00
Receipt Date:	20010320
Manifest ID:	20660858
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET
City,State,Zip:	REDLANDS, CA 92373-8151
Site ID:	495540
CERS ID:	110002664475
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL KIRBY
Entity Title:	Not reported
Affiliation Address:	300 KS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	DEAN HALWANI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET

SPARTECH PLASTICS INC (Continued) **1000148996**

Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAD094724333
Inactive Date:	06/30/2006
Create Date:	07/23/1982
Last Act Date:	12/04/2006
Mailing Name:	Not reported
Mailing Address:	300 KANSAS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738151
Owner Name:	SPARTECH PLASTICS
Owner Address:	300 KANSAS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923730000
Contact Name:	MICHAEL P KIRBY/PLANT MANAGER
Contact Address:	300 KANSAS ST
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000

NAICS:

EPA ID:	CAD094724333
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	326113
NAICS Description:	Unsupported Plastics Film and Sheet (except Packaging) Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2006-06-30 00:00:00
Facility Name:	SPARTECH PLASTICS INC
Facility Address:	300 KANSAS STREET
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923730000

D29 **RETTIG MACHINE SHOP, INC.** **RCRA NonGen / NLR** **1024788053**
West **301 KANSAS STREET** **CAL000040540**
< 1/8 **REDLANDS, CA 92373**
0.029 mi.
153 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
1246 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	19900917
Handler Name:	RETTIG MACHINE SHOP, INC.
Handler Address:	301 KANSAS STREET
Handler City,State,Zip:	REDLANDS, CA 92373-0000
EPA ID:	CAL000040540
Contact Name:	FRANZ RETTIG
Contact Address:	PO BOX 7460
Contact City,State,Zip:	REDLANDS, CA 92375
Contact Telephone:	909-793-7811
Contact Fax:	909-793-0662
Contact Email:	SUSAN@RETTIGMACHINE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

RETTIG MACHINE SHOP, INC. (Continued) **1024788053**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 7460
Mailing City,State,Zip:	REDLANDS, CA 92375-0460
Owner Name:	RETTIG MACHINE SHOP, INC.
Owner Type:	Other
Operator Name:	FRANZ RETTIG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

RETTIG MACHINE SHOP, INC. (Continued) **1024788053**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	FRANZ RETTIG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7460
Owner/Operator City,State,Zip:	REDLANDS, CA 92375
Owner/Operator Telephone:	909-793-7811
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RETTIG MACHINE SHOP, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7460
Owner/Operator City,State,Zip:	REDLANDS, CA 92375-0460
Owner/Operator Telephone:	909-793-7811
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19900917
Handler Name: RETTIG MACHINE SHOP, INC.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33271
NAICS Description:	MACHINE SHOPS

NAICS Code:	336399
NAICS Description:	ALL OTHER MOTOR VEHICLE PARTS MANUFACTURING

RETTIG MACHINE SHOP, INC. (Continued) **1024788053**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D30 **RETTIG MACHINE SHOP INC** **CERS HAZ WASTE** **S104769520**
West **301 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373** **WDS**
0.029 mi. **CERS**
153 ft. **Site 4 of 4 in cluster D**

Relative:
Lower

Actual:
1246 ft.

CERS HAZ WASTE:
Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 61379
CERS ID: 10043749
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005677
Owner: RETTIG MACHINE SHOP, INC.
Permit Number: PT0004060
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 11/30/2021

Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005677
Owner: RETTIG MACHINE SHOP, INC.
Permit Number: PT0004061
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 11/30/2021

WDS:
Name: RETTIG MACHINE SHOP INC
Address: 301 Kansas St
City: REDLANDS
Facility ID: Santa Ana River 36I011805
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is

RETTIG MACHINE SHOP INC (Continued) **S104769520**

	under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9097937811
Facility Contact:	FRANZ A RETTIG
Agency Name:	RETTIG MACHINE SHOP INC
Agency Address:	PO Box 7460
Agency City,St,Zip:	Redlands 923750460
Agency Contact:	FRANZ A RETTIG
Agency Telephone:	9097937811
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name:	RETTIG MACHINE SHOP, INC
Address:	301 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	61379
CERS ID:	10043749
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Violation Date:	01-01-2019
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Violation Division:	Water Boards

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 10-19-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 11/25/2020. FACILITY OPERATOR WA SUNABLE TO ADEQUATELY DEMONSTRATE THAT HAZARODUS MATERIALS TRAINING IS CONDUCTED FOR EMPLOYEES. CORRECTIVE ACTION: COMPLY BY SUBMITTING A SIGNED STATEMENT INDICATING THAT INITIAL AND ANNUAL TRAINING IS CONDUCTED AND TRAINING RECORDS ARE MAINTAINED FOR AT LEAST THREE YEARS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 10-19-2020
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 11/25/2020. FACILITY OPERATOR WAS UNABLE TO ADEQUATELY DEMONSTRATE THAT HAZARDOUS WASTE TRAINING IS CONDUCTED FOR EMPLOYEES. CORRECTIVE ACTION: COMPLY BY TRAINING EMPLOYEES AND SUBMITTING THE CofC.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 11-26-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/04/2014. Failure to manage contaminated containers lawfully (CCR 66261.7) Containers, or inner liners removed from a container, that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word Empty , the date that the container became empty and must be removed from the site within one year of that date. Observed (10) empty 55 gallon drums that previously held hazardous materials. Per operator, the date that the drums became empty is unknown. Corrective Text: Remove all empty containers that previously held hazardous materials or hazardous waste within 30 days of this report. SUBMIT copies of all waste records to this Department.
Violation Division: San Bernardino County Fire Department
Violation Program: HW

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, PHOTO NARRATIVE
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Enforcement Action:

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Site Address:	301 KANSAS ST
Site City:	REDLANDS
Site Zip:	92373
Enf Action Date:	11-26-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Site Address:	301 KANSAS ST
Site City:	REDLANDS
Site Zip:	92373
Enf Action Date:	04-29-2019
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Coordinates:

Site ID:	61379
Facility Name:	RETTIG MACHINE SHOP, INC
Env Int Type Code:	SMSWIND
Program ID:	252502
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.055620
Longitude:	-117.204390

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373-8153
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	FRANZ A. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-7811,
Affiliation Type Desc:	Environmental Contact
Entity Name:	FRANZ RETTIG
Entity Title:	Not reported
Affiliation Address:	PO BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375-0460
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	FRANZ A. RETTIG
Entity Title:	CHIEF EXECUTIVE OFFICER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Rettig Machine Shop Inc
Entity Title:	Operator
Affiliation Address:	PO Box 7460
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	RETTIG MACHINE SHOP, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	SUSAN L. RETTIG

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: RETTIG MACHINE SHOP, INC.
Entity Title: Not reported
Affiliation Address: 301 KANSAS ST
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92373
Affiliation Phone: (909) 793-7811,

Affiliation Type Desc: Property Owner
Entity Name: RETTIG MACHINE SHOP PARTNERSHIP
Entity Title: Not reported
Affiliation Address: P. O. BOX 7460
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92375-0460
Affiliation Phone: (909) 793-7811,

Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 61379
CERS ID: 252502
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 01-01-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 10-19-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

RETTIG MACHINE SHOP INC (Continued) **S104769520**

	records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/25/2020. FACILITY OPERATOR WA SUNABLE TO ADEQUATELY DEMONSTRATE THAT HAZARODUS MATERIALS TRAINING IS CONDUCTED FOR EMPLOYEES. CORRECTIVE ACTION: COMPLY BY SUBMITTING A SIGNED STATEMENT INDICATING THAT INITIAL AND ANNUAL TRAINING IS CONDUCTED AND TRAINING RECORDS ARE MAINTAINED FOR AT LEAST THREE YEARS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Violation Date:	10-19-2020
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 11/25/2020. FACILITY OPERATOR WAS UNABLE TO ADEQUATELY DEMONSTRATE THAT HAZARDOUS WASTE TRAINING IS CONDUCTED FOR EMPLOYEES. CORRECTIVE ACTION: COMPLY BY TRAINING EMPLOYEES AND SUBMITTING THE CofC.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Violation Date:	11-26-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/04/2014. Failure to manage contaminated containers lawfully (CCR 66261.7) Containers, or inner liners removed from a container, that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word Empty , the date that the container became empty and must be removed from the site within one year of that date. Observed (10) empty 55 gallon drums that previously held hazardous materials. Per operator, the date that the drums became empty is unknown. Corrective Text: Remove all empty containers that previously held hazardous materials or hazardous waste within 30 days of this report. SUBMIT copies of all waste records to this Department.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, PHOTO NARRATIVE
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Site Address: 301 KANSAS ST
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Enf Action Source:	CERS,
Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Site Address:	301 KANSAS ST
Site City:	REDLANDS
Site Zip:	92373
Enf Action Date:	04-29-2019
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Coordinates:

Site ID:	61379
Facility Name:	RETTIG MACHINE SHOP, INC
Env Int Type Code:	SMSWIND
Program ID:	252502
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.055620
Longitude:	-117.204390

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373-8153
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	FRANZ A. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-7811,
Affiliation Type Desc:	Environmental Contact
Entity Name:	FRANZ RETTIG
Entity Title:	Not reported
Affiliation Address:	PO BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation Zip:	92375-0460
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	FRANZ A. RETTIG
Entity Title:	CHIEF EXECUTIVE OFFICER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Rettig Machine Shop Inc
Entity Title:	Operator
Affiliation Address:	PO Box 7460
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	RETTIG MACHINE SHOP, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	SUSAN L. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	RETTIG MACHINE SHOP, INC.
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-7811,
Affiliation Type Desc:	Property Owner
Entity Name:	RETTIG MACHINE SHOP PARTNERSHIP
Entity Title:	Not reported
Affiliation Address:	P. O. BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92375-0460
Affiliation Phone:	(909) 793-7811,

C31 **HM INDUSTRIAL INC** **RCRA NonGen / NLR** **1024874109**
WNW **377 KANSAS ST UNIT A** **CAL000442764**
< 1/8 **REDLANDS, CA 92373**
0.033 mi.
175 ft. **Site 3 of 5 in cluster C**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		20190125
Actual: Handler Name:	HM INDUSTRIAL INC	
1246 ft. Handler Address:		377 KANSAS ST UNIT A
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAL000442764
Contact Name:		JOHANNA PUERTO
Contact Address:		377 KANSAS ST UNIT A
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-335-6766
Contact Fax:		Not reported
Contact Email:		JOHANNAGDPLASTIC@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		377 KANSAS ST UNIT A
Mailing City,State,Zip:		REDLANDS, CA 92373
Owner Name:		TONG ZHAO
Owner Type:		Other
Operator Name:		JOHANNA PUERTO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

HM INDUSTRIAL INC (Continued) **1024874109**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190222
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TONG ZHAO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	377 KANSAS ST UNIT A

HM INDUSTRIAL INC (Continued) **1024874109**

Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-335-6766
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHANNA PUERTO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	377 KANSAS ST UNIT A
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-335-6766
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190125
Handler Name: HM INDUSTRIAL INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	425120
NAICS Description:	WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C32 **FLAMBEAU INC** **San Bern. Co. Permit S108206957**
WNW **377 KANSAS STREET** **CIWQS N/A**
< 1/8 **REDLANDS, CA 92373**
0.033 mi.
175 ft. **Site 4 of 5 in cluster C**

Relative: **Lower**

Actual: **1246 ft.**

San Bern. Co. Permit:

Name:	FLAMBEAU INC
Address:	377 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0003238
Owner:	FLAMBEAU INC

FLAMBEAU INC (Continued) **S108206957**

Permit Number: PT0004008
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 08/31/2015

Name: FLAMBEAU INC
Address: 377 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0003238
Owner: FLAMBEAU INC
Permit Number: PT0004009
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2014

CIWQS:

Name:	FLAMBEAU INC
Address:	377 KANSAS STREET
City,State,Zip:	REDLANDS, CA 92373
Agency:	Flambeau Inc
Agency Address:	377 Kansas Street, Redlands, CA 92373
Place/Project Type:	Industrial - Plastics Products, NEC
SIC/NAICS:	3089
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I012704
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/03/1996
Termination Date:	02/10/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.05711
Longitude:	-117.20441

E33 **CYCLERY USA INC DBA REDLANDS CYCLERY USA** **RCRA NonGen / NLR** **1024848808**
NNE **415 TENNESSEE ST STE A** **CAL000404742**
< 1/8 **REDLANDS, CA 92373**
0.046 mi.
243 ft. **Site 1 of 6 in cluster E**

Relative: **Higher**

Actual: **1266 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20150226
Handler Name:	CYCLERY USA INC DBA REDLANDS CYCLERY USA
Handler Address:	415 TENNESSEE ST STE A
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000404742
Contact Name:	CRAIG KUNDIG

CYCLERY USA INC DBA REDLANDS CYCLERY USA (Continued) **1024848808**

Contact Address:	415 TENNESSEE ST STE A
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-792-2444
Contact Fax:	909-792-1289
Contact Email:	ACCOUNTING@CYCLERYUSA.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	415 TENNESSEE ST STE A
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	CRAIG KUNDIG
Owner Type:	Other
Operator Name:	CRAIG KUNDIG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

CYCLERY USA INC DBA REDLANDS CYCLERY USA (Continued) **1024848808**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CRAIG KUNDIG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	415 TENNESSEE ST STE A
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-792-2444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CRAIG KUNDIG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	415 TENNESSEE ST STE A
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-792-2444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150226
Handler Name:	CYCLERY USA INC DBA REDLANDS CYCLERY USA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CYCLERY USA INC DBA REDLANDS CYCLERY USA (Continued) **1024848808**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45111
NAICS Description: SPORTING GOODS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C34 **CHEP / CCPS** **RCRA NonGen / NLR** **1026055755**
WNW **450 KANSAS ST STE 101** **CAL000451940**
< 1/8 **REDLANDS, CA 92373**
0.047 mi.
247 ft. **Site 5 of 5 in cluster C**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 20200113
Actual: Handler Name: CHEP / CCPS
1252 ft. Handler Address: 450 KANSAS ST STE 101
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000451940
Contact Name: THOMAS CARRASCO
Contact Address: 450 KANSAS ST STE 101
Contact City,State,Zip: REDLANDS, CA 92373
Contact Telephone: 951-733-1169
Contact Fax: Not reported
Contact Email: THOMAS.CARRASCO@CHEP.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 450 KANSAS ST STE 101
Mailing City,State,Zip: REDLANDS, CA 92373
Owner Name: CHEP UNLIMITED INC
Owner Type: Other
Operator Name: THOMAS CARRASCO
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

CHEP / CCPS (Continued) **1026055755**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEP UNLIMITED INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7501 GREENBRIAR PKWY

CHEP / CCPS (Continued) **1026055755**

Owner/Operator City,State,Zip: ORLANDO, CA 32819
Owner/Operator Telephone: 800-243-7872
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THOMAS CARRASCO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 450 KANSAS ST STE 101
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 951-733-1169
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200113
Handler Name: CHEP / CCPS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E35 **DUTCH GIRL LAUNDRY & CLEANERS** **EDR Hist Cleaner** **1018849649**
NNE **414 TENNESSEE ST STE K** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.075 mi.
396 ft. **Site 2 of 6 in cluster E**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
1270 ft. 2003 DUTCH GIRL LAUNDRY & CLEANERS Drycleaning Plants, Except Rugs
2004 DUTCH GIRL LAUNDRY & CLEANERS Drycleaning Plants, Except Rugs
2005 DUTCH GIRL LAUNDRY & CLEANERS Drycleaning Plants, Except Rugs
2006 DUTCH GIRL LAUNDRY & CLEANERS Drycleaning Plants, Except Rugs

DUTCH GIRL LAUNDRY & CLEANERS (Continued) **1018849649**

2007	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2008	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2009	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2010	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2011	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2012	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2013	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs
2014	DUTCH GIRL LAUNDRY & CLEANERS	Drycleaning Plants, Except Rugs

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E36 **DUTCH GIRL DRY CLEANERS & LAUNDRY** **DRYCLEANERS** **S111075464**
NNE **414 TENNESSEE ST STE K** **HAZNET** **N/A**
< 1/8 **REDLANDS, CA 92373** **HWTS**
0.075 mi.
396 ft. **Site 3 of 6 in cluster E**

Relative:
Higher

Actual:
1270 ft.

DRYCLEANERS:

Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 923738152
EPA Id:	CAL000267327
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	03/06/2003
Facility Active:	No
Inactive Date:	06/30/2017
Facility Addr2:	Not reported
Owner Name:	SHIRAZALI JIVANI
Owner Address:	414 TENNESSEE ST STE K
Owner Address 2:	Not reported
Owner Telephone:	9097923630
Contact Name:	SHIRAZALI JIVANI
Contact Address:	414 TENNESSEE ST STE K
Contact Address 2:	Not reported
Contact Telephone:	9097923630
Contact Fax:	9097934513
Mailing Name:	Not reported
Mailing Address 1:	414 TENNESSEE ST STE K
Mailing Address 2:	Not reported
Mailing City:	REDLANDS
Mailing State:	CA
Mailing Zip:	923738152
Owner Fax:	9097934513
Region Code:	4
Latitude:	34.05792
Longitude:	-117.19945

HAZNET:

Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738152
Contact:	SHIRAZALI JIVANI
Telephone:	9097923630
Mailing Name:	Not reported
Mailing Address:	414 TENNESSEE ST STE K

DUTCH GIRL DRY CLEANERS & LAUNDRY (Continued) **S111075464**

Year:	2003
Gepaid:	CAL000267327
TSD EPA ID:	CAD008302903
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	-
Tons:	Not reported

Year:	2003
Gepaid:	CAL000267327
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.08

Additional Info:

Year:	2003
Gen EPA ID:	CAL000267327
Shipment Date:	20030305
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030306
Manifest ID:	22218299
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030305
Creation Date:	5/19/2003 18:32:02
Receipt Date:	20030306
Manifest ID:	22218299
Trans EPA ID:	CAR000036921
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

DUTCH GIRL DRY CLEANERS & LAUNDRY (Continued) **S111075464**

Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738152
EPA ID:	CAL000267327
Inactive Date:	06/30/2017
Create Date:	03/06/2003
Last Act Date:	03/14/2017
Mailing Name:	Not reported
Mailing Address:	414 TENNESSEE ST STE K
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738152
Owner Name:	SHIRAZALI JIVANI
Owner Address:	414 TENNESSEE ST STE K
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923738152
Contact Name:	SHIRAZALI JIVANI
Contact Address:	414 TENNESSEE ST STE K
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738152

NAICS:

EPA ID:	CAL000267327
Create Date:	2003-03-06 12:29:40.640
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	2003-03-06 12:29:40.61000
Inactive Date:	2017-06-30 00:00:00
Facility Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Facility Address:	414 TENNESSEE ST STE K
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923738152

E37 **X-CELL LABORATORIES INC** **RCRA NonGen / NLR** **1024813423**
NNE **414 TENNESSEE ST STE H** **CAL000304012**
< 1/8 **REDLANDS, CA 92373**
0.075 mi.
396 ft. **Site 4 of 6 in cluster E**

Relative: **Higher**

Actual: **1270 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20060302
Handler Name:	X-CELL LABORATORIES INC	
Handler Address:		414 TENNESSEE ST STE H
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAL000304012
Contact Name:		JIM SMITH
Contact Address:		414 TENNESSEE ST STE H
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-307-9373
Contact Fax:		909-307-1041
Contact Email:		LJHJUNIOR@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		414 TENNESSEE ST STE H
Mailing City,State,Zip:		REDLANDS, CA 92373-0000
Owner Name:		X-CELL LABORATORIES INC
Owner Type:		Other
Operator Name:		JIM SMITH
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

X-CELL LABORATORIES INC (Continued) **1024813423**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JIM SMITH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	414 TENNESSEE ST STE H
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-307-9373
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	X-CELL LABORATORIES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	414 TENNESSEE ST STE H
Owner/Operator City,State,Zip:	REDLANDS, CA 92373-0000
Owner/Operator Telephone:	909-307-9373
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

X-CELL LABORATORIES INC (Continued) **1024813423**

Historic Generators:
Receive Date: 20060302
Handler Name: X-CELL LABORATORIES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 621512
NAICS Description: DIAGNOSTIC IMAGING CENTERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E38 **X-CELL LABORATORIES INC** **San Bern. Co. Permit** **S109433762**
NNE **414 TENNESSEE ST STE H** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.075 mi.
396 ft. **Site 5 of 6 in cluster E**

Relative:
Higher

Actual:
1270 ft.

San Bern. Co. Permit:
Name: X-CELL LABORATORIES INC
Address: 414 TENNESSEE ST STE H
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0013591
Owner: X-CELL LABORATORIES INC
Permit Number: PT0023851
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 10/31/2022

Name: X-CELL LABORATORIES INC
Address: 414 TENNESSEE ST STE H
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0013591
Owner: X-CELL LABORATORIES INC
Permit Number: PT0038350
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: INACTIVE
Expiration Date: 10/31/2018

E39 **DUTCH GIRL CLEANERS** **CERS HAZ WASTE** **S121695140**
NNE **414 TENNESSEE AVE STE K** **DRYCLEANERS** **N/A**
< 1/8 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.075 mi. **CERS**
396 ft. **Site 6 of 6 in cluster E**

Relative:
Higher

Actual:
1270 ft.

CERS HAZ WASTE:

Name:	DUTCH GIRL CLEANERS
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 92373
Site ID:	113024
CERS ID:	10047292
CERS Description:	Hazardous Waste Generator

DRYCLEAN SOUTH COAST:

Name:	DUTCH GIRL CLEANERS
Address:	414 TENNESSEE AVE STE K
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	134867
Application Number:	409724
Permit Number:	F57420
Status:	O
Representative Name:	SHIRAZALI JIVANI
Representative Telephone:	909 7923630
Permit Status:	INACT_NR
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0
Application Date:	12/13/2002
PO Issue Date:	12/26/2002
NAICS Code:	Not reported
SIC Code:	7216

San Bern. Co. Permit:

Name:	DUTCH GIRL CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0007665
Owner:	MARICELA AVINA GONZALEZ
Permit Number:	PT0013183
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	ACTIVE
Expiration Date:	02/28/2022

Name:	DUTCH GIRL CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0007665
Owner:	MARICELA AVINA GONZALEZ
Permit Number:	PT0013182
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	02/28/2021

DUTCH GIRL CLEANERS (Continued) **S121695140**

CERS:
Name: DUTCH GIRL CLEANERS
Address: 414 TENNESSEE ST STE K
City,State,Zip: REDLANDS, CA 92373
Site ID: 113024
CERS ID: 10047292
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/14/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID number inactive.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2015. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Observed open container of hazardous waste.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Observed incomplete hazardous waste label.
Violation Division: San Bernardino County Fire Department

DUTCH GIRL CLEANERS (Continued) **S121695140**

Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a)) Hazardous waste disposal records not available for review.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Observed hazardous waste container without accumulation start date.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-06-2020

DUTCH GIRL CLEANERS (Continued) **S121695140**

Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	The EPA ID Number associated with this facility was inactive. CORRECTIVE ACTION: Reactivate EPA ID Number CAL000207327 utilizing form 1358, then sign the Certificate of Compliance.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 05/22/2017. Failure to train facility personnel in hazardous waste management procedures (CCR 66265.16) Employee training not conducted.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/22/2017. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Observed unlabeled hazardous waste container.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/14/2017. Business plan not annually reviewed and electronically certified as complete an accurate.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	02-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

DUTCH GIRL CLEANERS (Continued) **S121695140**

Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/01/2017. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to manage hazardous waste lawfully (CHSC 25154) Hazardous waste not managed lawfully.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/14/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 03/14/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

DUTCH GIRL CLEANERS (Continued) **S121695140**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-06-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine Inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE GENERATOR INSPECTION OF DUTCH GIRL CLEANERS.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-06-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	routine inspection
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE HANDLER INSPECTION OF DUTCH GIRL CLEANERS.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Enforcement Action:

DUTCH GIRL CLEANERS (Continued) **S121695140**

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street

DUTCH GIRL CLEANERS (Continued) **S121695140**

Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Identification Signer
Entity Name:	Maricela Avina
Entity Title:	Business Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Maricela Avina
Entity Title:	Not reported
Affiliation Address:	414 Tennessee st suite k
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 792-3630,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	414 Tennessee st suite k
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Maricela Avina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 312-9865,
Affiliation Type Desc:	Parent Corporation
Entity Name:	DUTCH GIRL CLEANERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact

DUTCH GIRL CLEANERS (Continued) **S121695140**

Entity Name:	Maricela Avina
Entity Title:	Not reported
Affiliation Address:	414 Tennessee st suite k
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

F40 **REDLANDS CHRISTIAN MIDDLE SCHOOL** **San Bern. Co. Permit** **S117896827**
SSE **251 TENESSEE ST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.077 mi.
405 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
1270 ft.

San Bern. Co. Permit:

Name:	REDLANDS CHRISTIAN MIDDLE SCHOOL
Address:	251 TENESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0015862
Owner:	DAN COLE
Permit Number:	PT0034556
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	INACTIVE
Expiration Date:	03/31/2016

F41 **PIONEER CONSULTANTS** **RCRA-SQG** **1000312432**
SSE **251 TENNESSEE ST** **HIST UST** **CAD066158320**
< 1/8 **REDLANDS, CA 92373** **FINDS**
0.077 mi. **ECHO**
405 ft. **Site 2 of 2 in cluster F** **CIWQS**

Relative:
Higher

Actual:
1270 ft.

RCRA-SQG:

Date Form Received by Agency:		19860220
Handler Name:	PIONEER CONSULTANTS	
Handler Address:		251 TENNESSEE ST
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAD066158320
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		251 TENNESSEE ST
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		714-793-2691
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4

PIONEER CONSULTANTS (Continued) **1000312432**

Mailing Address:	TENNESSEE ST
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	DAVID W TURNER
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

PIONEER CONSULTANTS (Continued) **1000312432**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAVID W TURNER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19860220
Handler Name: PIONEER CONSULTANTS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

PIONEER CONSULTANTS (Continued) **1000312432**

HIST UST:

Name:	PIONEER CONSULTANTS
Address:	251 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002A42A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A42A.pdf
Region:	STATE
Facility ID:	00000049219
Facility Type:	Other
Other Type:	ENGINEERING
Contact Name:	DAVID W. TURNER
Telephone:	7147932691
Owner Name:	PIONEER CONSULTANTS
Owner Address:	251 TENNESSEE STREET
Owner City,St,Zip:	REDLANDS, CA 92373
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002654609

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000312432
Registry ID:	110002654609
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002654609

PIONEER CONSULTANTS (Continued) **1000312432**

Name: PIONEER CONSULTANTS
Address: 251 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373

CIWQS:
Name: REDLANDS CHRISTIAN MIDDLE SCHOOL
Address: 251 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92373
Agency: Arrowhead Christian Academy
Agency Address: 105 Tennessee Street, Redlands, CA 92373
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 36C368471
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 12/12/2013
Termination Date: 12/30/2015
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.054499
Longitude: -117.200434

G42 **AMERIACN GALVANO INC** **RCRA NonGen / NLR** **1024827545**
WNW **421 KANSAS ST** **CAL000357354**
< 1/8 **REDLANDS, CA 92373**
0.084 mi.
444 ft. **Site 1 of 2 in cluster G**

Relative: **Lower**
Actual: **1251 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20100929
Handler Name: AMERIACN GALVANO INC
Handler Address: 421 KANSAS ST
Handler City,State,Zip: REDLANDS, CA 92373-5477
EPA ID: CAL000357354
Contact Name: ANTHONY COVEY
Contact Address: 421 KANSAS ST
Contact City,State,Zip: REDLANDS, CA 92373
Contact Telephone: 909-307-1840
Contact Fax: 909-307-1805
Contact Email: EFORMS@ELECTROFORMS.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

AMERIACN GALVANO INC (Continued) **1024827545**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	421 KANSAS ST
Mailing City,State,Zip:	REDLANDS, CA 92373-5477
Owner Name:	AMERIACN GALVANO INC
Owner Type:	Other
Operator Name:	ANTHONY COVEY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905

AMERIACN GALVANO INC (Continued) **1024827545**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANTHONY COVEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	421 KANSAS ST
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-307-1840
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AMERIACN GALVANO INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	421 KANSAS ST
Owner/Operator City,State,Zip:	REDLANDS, CA 92373-5477
Owner/Operator Telephone:	909-307-1840
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100929
Handler Name: AMERIACN GALVANO INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	333513
NAICS Description:	MACHINE TOOL (METAL FORMING TYPES) MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

AMERIACN GALVANO INC (Continued) **1024827545**

Evaluation Action Summary:
Evaluations: No Evaluations Found

G43 **CHEP-REDLANDS** **San Bern. Co. Permit** **S122499453**
NW **450 KANSAS STREET UNITS 101 & 102** **CERS** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.097 mi.
510 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
1253 ft.

San Bern. Co. Permit:
Name: CHEP-REDLANDS
Address: 450 KANSAS STREET UNITS 101 & 102
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017727
Owner: Thomas Carrasco
Permit Number: PT0038215
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 03/31/2022

CERS:
Name: CHEP-REDLANDS
Address: 450 KANSAS STREET UNITS 101 & 102
City,State,Zip: REDLANDS, CA 92373
Site ID: 432064
CERS ID: 10752850
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 432064
Site Name: CHEP-Redlands
Violation Date: 08-10-2021
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/10/2021. OBSERVATION: At the time of the inspection the business plan was last reviewed and certified via CERS on 10/25/2018. The business plan annual review/certification violation was corrected on site at the time of the inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 432064
Site Name: CHEP-Redlands
Violation Date: 08-07-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or

CHEP-REDLANDS (Continued) **S122499453**

	business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 10/25/2018. OBSERVATION: Observed (10) 8-gallon cylinders of propane that was previously undisclosed on facility's business plan. CORRECTIVE ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	432064
Site Name:	CHEP-Redlands
Violation Date:	08-10-2021
Citation:	HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description:	Failure to report program data electronically.
Violation Notes:	Returned to compliance on 08/10/2021. OBSERVATION: At the time of the inspection the owner information and billing contact information submitted on the Business Owner/Operator Identification page submitted via CERS on 10/25/2018 was inaccurate. The business owner/operator identification page was corrected on site at the time of the inspection.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	432064
Site Name:	CHEP-Redlands
Violation Date:	08-10-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/10/2021. OBSERVATION: At the time of the inspection (12) 8-Gallon cylinders of propane were observed on site which had been reported in lesser quantities via CERS. In addition, (9) 55-Gallon drums of detergent were observed on site which had not been reported via CERS. The hazardous materials violation was corrected on site at the time of the inspection.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-10-2021

CHEP-REDLANDS (Continued) **S122499453**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Thomas Carrasco
Entity Title: Not reported
Affiliation Address: 450 Kansas Street Units 101 & 102
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Robert E. Johnson
Entity Title: CHEP Quality & Safety Compliance Officer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Thomas Carrasco
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 733-1169,

Affiliation Type Desc: Parent Corporation
Entity Name: CHEP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Thomas Carrasco
Entity Title: Not reported
Affiliation Address: 450 Kansas St., Units 101 & 102
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92373
Affiliation Phone: (951) 733-1169,

CHEP-REDLANDS (Continued) **S122499453**

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert E. Johnson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	450 Kansas Street Units 101 & 102
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

44
WSW
< 1/8
0.098 mi.
520 ft.

EAST END HYDRO SHOP FACILITY **RCRA-SQG** **1000905547**
298 KANSAS **CA0000852483**
REDLANDS, CA 92373

Relative:
Lower

Actual:
1250 ft.

RCRA-SQG:

Date Form Received by Agency:	19960901
Handler Name:	EAST END HYDRO SHOP FACILITY
Handler Address:	298 KANSAS
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CA0000852483
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported

EAST END HYDRO SHOP FACILITY (Continued) **1000905547**

State District:	Not reported
Mailing Address:	2244 WALNUT GROVE AVE STE 405
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

EAST END HYDRO SHOP FACILITY (Continued) **1000905547**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 800
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770-0800
Owner/Operator Telephone:	818-302-9788
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	EAST END HYDRO SHOP FACILITY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940927
Handler Name:	EAST END HYDRO SHOP FACILITY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H45
NNE
< 1/8
0.100 mi.
529 ft.

ANDY'S FORD SPECIALTIES
452 TENNESSEE ST
REDLANDS, CA 92373

Site 1 of 12 in cluster H

San Bern. Co. Permit **S104763637**
N/A

Relative:
Higher

Actual:
1271 ft.

San Bern. Co. Permit:

Name:	SIMPLY TOYOTA
Address:	452 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0011635
Owner:	Joseph Gurrola
Permit Number:	PT0020146
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	05/31/2014

Name:	SIMPLY TOYOTA
Address:	452 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0011635
Owner:	Joseph Gurrola
Permit Number:	PT0020145
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2014

Name:	ANDY'S FORD SPECIALTIES
Address:	452 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0000951
Owner:	ANDERSON, JOHN H.
Permit Number:	PT0012852
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	08/31/2007

Name:	ANDY'S FORD SPECIALTIES
Address:	452 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0000951
Owner:	ANDERSON, JOHN H.
Permit Number:	PT0009718
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	08/31/2007

H46 **CALIFORNIA RIDER MOTORCYCLE** **San Bern. Co. Permit** **S106718471**
NNE **450 TENNESSEE ST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.100 mi.
529 ft. **Site 2 of 12 in cluster H**

Relative: **Higher**

Actual: **1271 ft.**

San Bern. Co. Permit:

Name:	CALIFORNIA RIDER MOTORCYCLE
Address:	450 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0009415
Owner:	WAGDA III, JOE & MEDINA, RICHARD
Permit Number:	PT0037153
Permit Category:	HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status:	INACTIVE
Expiration Date:	01/31/2018

Name:	CALIFORNIA RIDER MOTORCYCLE
Address:	450 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0009415
Owner:	WAGDA III, JOE & MEDINA, RICHARD
Permit Number:	PT0016095
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status:	INACTIVE
Expiration Date:	01/31/2018

H47 **AUTO ANALYSTS** **EDR Hist Auto** **1021167716**
NNE **446 TENNESSEE ST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.100 mi.
530 ft. **Site 3 of 12 in cluster H**

Relative: **Higher**

Actual: **1272 ft.**

EDR Hist Auto

Year:	Name:	Type:
1992	AUTO ANALYSTS	General Automotive Repair Shops
1993	AUTO ANALYSTS	General Automotive Repair Shops
1994	AUTO ANALYSTS	General Automotive Repair Shops
1995	AUTO ANALYSTS	General Automotive Repair Shops
1996	AUTO ANALYSTS	General Automotive Repair Shops
1997	AUTO ANALYSTS	General Automotive Repair Shops
1998	AUTO ANALYSTS	General Automotive Repair Shops
1999	AUTO ANALYSTS	General Automotive Repair Shops
2000	AUTO ANALYSTS	General Automotive Repair Shops
2001	AUTO ANALYSTS	General Automotive Repair Shops
2011	MG TRANMISSION PHX	Automotive Transmission Repair Shops
2012	MG TRANMISSION PHX	Automotive Transmission Repair Shops
2013	MG TRANMISSION PHX	Automotive Transmission Repair Shops
2014	MG TRANMISSION PHX	Automotive Transmission Repair Shops

H48 **REDLANDS COLOR LAB** **San Bern. Co. Permit** **S104769461**
North **461 TENNESSEE ST F** **N/A**
< 1/8 **REDLANDS, CA 92374**
0.102 mi.
539 ft. **Site 4 of 12 in cluster H**

Relative:
Higher

Actual:
1269 ft.

San Bern. Co. Permit:

Name:	REDLANDS COLOR LAB
Address:	461 TENNESSEE ST F
City,State,Zip:	REDLANDS, CA 92374
Region:	SAN BERNARDINO
Facility ID:	FA0005635
Owner:	PROFESSIONAL PHOTO SYSTEM
Permit Number:	PT0004103
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	07/31/2007

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49 **GTE / REDLANDS PLANT YARD** **SWEEPS UST** **S101591209**
ESE **1130 W STATE ST** **CA FID UST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.121 mi.
640 ft.

Relative:
Higher

Actual:
1281 ft.

SWEEPS UST:

Name:	GTE / REDLANDS PLANT YARD
Address:	1130 W STATE ST
City:	REDLANDS
Status:	Active
Comp Number:	9037
Number:	1
Board Of Equalization:	44-020053
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	09-23-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-009037-000001
Tank Status:	A
Capacity:	1
Active Date:	09-23-88
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	2

Name:	GTE / REDLANDS PLANT YARD
Address:	1130 W STATE ST
City:	REDLANDS
Status:	Active
Comp Number:	9037
Number:	1
Board Of Equalization:	44-020053
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	09-23-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-009037-000002
Tank Status:	A
Capacity:	1
Active Date:	09-23-88

GTE / REDLANDS PLANT YARD (Continued) **S101591209**

Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36002677
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 4950 PALO VERDE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92373
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

H50 **SIMPLY TOYOTA** **CERS HAZ WASTE** **S113158773**
NNE **1195W W PARK AVE** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.127 mi. **CERS**
672 ft. **Site 5 of 12 in cluster H** **HWTS**

Relative:
Higher

Actual:
1273 ft.

CERS HAZ WASTE:
Name: SIMPLY TOYOTA
Address: 1195W W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 378117
CERS ID: 10689301
CERS Description: Hazardous Waste Generator

HAZNET:
Name: PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Address: 1195 W PARK AVE
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738005
Contact: PAMELA J ROZEMA
Telephone: 9098559762
Mailing Name: Not reported
Mailing Address: PO BOX 7244

Year: 2011
Gepaid: CAL000353392
TSD EPA ID: CAT000613893
CA Waste Code: 342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2834

SIMPLY TOYOTA (Continued) **S113158773**

Additional Info:

Year:	2011
Gen EPA ID:	CAL000353392
Shipment Date:	20110606
Creation Date:	11/12/2011 18:30:22
Receipt Date:	20110608
Manifest ID:	002823190SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110317
Creation Date:	8/25/2011 18:30:11
Receipt Date:	20110321
Manifest ID:	002597151SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:
Name: SIMPLY TOYOTA

SIMPLY TOYOTA (Continued) **S113158773**

Address: 1195W W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0015111
Owner: Joseph Gurrola
Permit Number: PT0026344
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: SIMPLY TOYOTA
Address: 1195W W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0015111
Owner: Joseph Gurrola
Permit Number: PT0026345
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2022

CERS:
Name: SIMPLY TOYOTA
Address: 1195W W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 378117
CERS ID: 10689301
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 378117
Site Name: Simply Toyota
Violation Date: 09-16-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: OBSERVATION:(1) 15 gallon container of used antifreeze had a hazardous waste label with an accumulation start date of 08/03/2019, indicating time exceeded for removing waste offsite. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 08-06-2013
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22,

SIMPLY TOYOTA (Continued) **S113158773**

	Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 08/06/2013.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-16-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	OBSERVATION: The inventory observed during the inspection is not consistent with what was reported in CERS. Refer to the inventory section of this report for details. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. A Business Plan was never submitted to this division.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/06/2013. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description:	Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the

SIMPLY TOYOTA (Continued) **S113158773**

thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 09/12/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 09-17-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: OBSERVATION: (1) 55-gallon drum of waste paper filters located in the hazardous waste storage area was observed without the following information on the label: Accumulation Start Date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 06-22-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/12/2017. A Business Plan was never submitted to this division.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 06-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/22/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) The correct accumulation start date was not legible on (1) ~300 gallon tank of used oil.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 08-06-2013
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

SIMPLY TOYOTA (Continued) **S113158773**

Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/06/2013. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/12/2017. Failure to establish a Contingency Plan (CCR 66265.51(a)) A Contingency Plan was never submitted to this Divison.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. The facility has never submitted the Business Plan on CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-28-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. NON INSPECTION RELATED VIOLATION
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 09/12/2017. (1) 55 gallon drum of drained used filters was missing a lid and not properly labeled. A lid was placed on the drum and the container was closed while the inspectors

SIMPLY TOYOTA (Continued) **S113158773**

	were on-site, however the drum still was not properly labeled.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-16-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: Failure to annually re-certify a complete business plan in CERS. Last complete submittal dated 11/27/2018. CORRECTIVE ACTION: Review and certify the business plan via CERS. Your CERS ID number is 10689301.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/12/2017. Failure to establish a Contingency Plan (CCR 66265.51(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	OBSERVATION: Observed (1) 120-gallon aboveground storage tank of new oil and (1) 55-gallon drum of new oil not previously disclosed on 9/5/17 business plan. CORRECTIVE ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018

SIMPLY TOYOTA (Continued) **S113158773**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: Business plan was last reviewed and certified as complete and accurate on 9/5/17. CORRECTIVE ACTION: Review and certify the business plan annually.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 06/22/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) The hazardous waste label on (1) ~300 gallon tank of used oil was not legible
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 09/12/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	OBSERVATION:(1) 55 gallon drum of waste paper filters located in the hazardous waste storage areawas observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

SIMPLY TOYOTA (Continued) **S113158773**

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 09-16-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: OBSERVATION: Employee training relating to hazardous materials and hazardous waste handling was not available. CORRECTIVE ACTION: Conduct initial and annual employee training and maintain training records for a minimum of three years. Submit a signed statement indicating that training has been conducted and that training records will be kept on site for review.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 09-16-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: OBSERVATION: (1) 500 gallon container of used oil had a hazardous waste label that was not filled out. (1) 55 gallon drum of paper filters was missing a hazardous waste label. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

SIMPLY TOYOTA (Continued) **S113158773**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-28-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS ENFORCEMENT PROJECT - ENTER VIOLATION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2018
Violations Found: Yes

SIMPLY TOYOTA (Continued) **S113158773**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 08-06-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 08-06-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 06-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 06-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP

SIMPLY TOYOTA (Continued) **S113158773**

Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Joseph Gurrola
Entity Title: Not reported
Affiliation Address: 5655 N Pinnacle Lane
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Aimee Gurrola
Entity Title: manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Joseph Gurrola
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 856-6187,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Document Preparer
Entity Name: Aimee Gurrola
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Joseph Gurrola
Entity Title: Not reported
Affiliation Address: 145 Coral Court

SIMPLY TOYOTA (Continued) **S113158773**

Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92374
Affiliation Phone:	(909) 798-8344,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1195W Park Ave
Affiliation City:	redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Simply Toyota
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Joseph Gurrola
Entity Title:	Not reported
Affiliation Address:	145 Coral Court
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92374
Affiliation Phone:	(909) 856-6187,

HWTS:

Name:	PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Address:	1195 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738005
EPA ID:	CAL000353392
Inactive Date:	06/30/2013
Create Date:	06/15/2010
Last Act Date:	10/15/2013
Mailing Name:	Not reported
Mailing Address:	PO BOX 7244
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923730000
Owner Name:	PAMELA J ROZEMA
Owner Address:	1195 W PARK AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923750000
Contact Name:	PAMELA J ROZEMA
Contact Address:	2170 MENTONE BLVD
Contact Address 2:	Not reported

SIMPLY TOYOTA (Continued) **S113158773**

City,State,Zip: MENTONE, CA 923590000

NAICS:

EPA ID: CAL000353392
Create Date: 2010-06-15 11:30:42.423
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2010-06-15 11:30:42.39000
Inactive Date: 2013-06-30 00:00:00
Facility Name: PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Facility Address: 1195 W PARK AVE
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: Not reported
Facility State: CA
Facility Zip: 923738005

H51 **CHUCK'S COMPLETE AUTOMOTIVE REPAIR** **San Bern. Co. Permit** **S110656299**
NNE **1195 PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.127 mi.
672 ft. **Site 6 of 12 in cluster H**

Relative:
Higher

Actual:
1273 ft.

San Bern. Co. Permit:

Name: CHUCK'S COMPLETE AUTOMOTIVE REPAIR
Address: 1195 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0001964
Owner: CHUCK SKIDMORE
Permit Number: PT0001892
Permit Category: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 07/31/2004

Name: CHUCK'S COMPLETE AUTOMOTIVE REPAIR
Address: 1195 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0001964
Owner: CHUCK SKIDMORE
Permit Number: PT0012810
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 07/31/2002

H52 **JOSEPH GURROLA DBA SIMPLY TOYOTA** **RCRA NonGen / NLR** **1024836947**
NNE **1195 W PARK AVE** **CAL000381523**
1/8-1/4 **REDLANDS, CA 92373**
0.127 mi.
672 ft. **Site 7 of 12 in cluster H**

Relative: **Higher**

Actual: **1273 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20130111
Handler Name:	JOSEPH GURROLA DBA SIMPLY TOYOTA
Handler Address:	1195 W PARK AVE
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000381523
Contact Name:	JOSEPH GURROLA
Contact Address:	1195 W PARK AVE
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-798-8344
Contact Fax:	Not reported
Contact Email:	AIMEE_GURROLA@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1195 W PARK AVE
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	JOSEPH GURROLA DBA SIMPLY TOYOTA
Owner Type:	Other
Operator Name:	JOSEPH GURROLA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

JOSEPH GURROLA DBA SIMPLY TOYOTA (Continued) **1024836947**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOSEPH GURROLA DBA SIMPLY TOYOTA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 CORAL CT
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-856-6187
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOSEPH GURROLA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1195 W PARK AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-798-8344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

JOSEPH GURROLA DBA SIMPLY TOYOTA (Continued) **1024836947**

Historic Generators:
Receive Date: 20130111
Handler Name: JOSEPH GURROLA DBA SIMPLY TOYOTA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H53 **MAGNUM PERFORMANCE CENTER** **San Bern. Co. Permit** **S108240239**
NNE **1195 W PARK AVE** **HWTS** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.127 mi.
672 ft. **Site 8 of 12 in cluster H**

Relative:
Higher

Actual:
1273 ft.

San Bern. Co. Permit:
Name: MAGNUM PERFORMANCE CENTER
Address: 1195 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0010735
Owner: EDWARD SCOTT CORRALES
Permit Number: PT0018441
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 01/31/2007

Name: MAGNUM PERFORMANCE CENTER
Address: 1195 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0010735
Owner: EDWARD SCOTT CORRALES
Permit Number: PT0018440
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 01/31/2007

Name: SMOG PLUS AUTO CARE CENTERS
Address: 1195 W PARK AVE

MAGNUM PERFORMANCE CENTER (Continued) **S108240239**

City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009378
Owner: TSAD COMPANY, INC
Permit Number: PT0016023
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 12/31/2005

Name: SMOG PLUS AUTO CARE CENTERS
Address: 1195 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009378
Owner: TSAD COMPANY, INC
Permit Number: PT0016024
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2005

HWTS:

Name:	MAGNUM PERFORMANCE CENTER
Address:	1195 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738005
EPA ID:	CAL000306060
Inactive Date:	06/30/2007
Create Date:	04/28/2006
Last Act Date:	03/20/2008
Mailing Name:	Not reported
Mailing Address:	904 SUNSET HILLS LN
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923736963
Owner Name:	MAGNUM PERFORMANCE CENTER INC
Owner Address:	904 SUNSET HILLS LN
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923736963
Contact Name:	EDWARD CORRALES
Contact Address:	904 SUNSET HILLS LN
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923736963

NAICS:

EPA ID:	CAL000306060
Create Date:	2006-04-28 11:35:48.880
NAICS Code:	81149
NAICS Description:	Other Personal and Household Goods Repair and Maintenance
Issued EPA ID Date:	2006-04-28 11:35:48.83300
Inactive Date:	2007-06-30 00:00:00
Facility Name:	MAGNUM PERFORMANCE CENTER
Facility Address:	1195 W PARK AVE
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923738005

54
NNW
1/8-1/4
0.132 mi.
699 ft.

CUSTOM MATERIAL SALES (CMS)
1351 PARK AVE 105
REDLANDS, CA 92373

San Bern. Co. Permit **S111311495**
N/A

Relative:
Lower

Actual:
1259 ft.

San Bern. Co. Permit:
Name: CUSTOM MATERIAL SALES (CMS)
Address: 1351 PARK AVE 105
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014025
Owner: SALTER, MICHAEL
Permit Number: PT0024644
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 10/31/2012

H55
NNE
1/8-1/4
0.136 mi.
716 ft.

REDLANDS AUTO ELECTRIC
1165 W PARK AVE
REDLANDS, CA 92373
Site 9 of 12 in cluster H

CERS HAZ WASTE **S122218713**
San Bern. Co. Permit **N/A**
CERS
HWTS

Relative:
Higher

Actual:
1276 ft.

CERS HAZ WASTE:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 436889
CERS ID: 10761757
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017827
Owner: SEMON SHABKE
Permit Number: PT0038549
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017827
Owner: SEMON SHABKE
Permit Number: PT0038548
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2022

CERS:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Site ID: 436889
CERS ID: 10761757
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/20/2021.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description: Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes: Returned to compliance on 04/20/2021.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 04/20/2021. Failure to obtain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 04-20-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/20/2021. OBSERVATION: The last CERS submittal was on 3/7/2019. Corrected at time of the inspection. CORRECTIVE ACTION: Submit an accurate and complete business plan via CERS.
Violation Division: San Bernardino County Fire Department

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 04-20-2021
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 04/20/2021. OBSERVATION: The generator has not maintained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. EPA ID number CAL000434888 was inactive. DTSC form 1358 submitted at the time of the inspection. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/20/2021.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: Un-Specified
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Violation Notes: Returned to compliance on 03/21/2018. Failure to obtain and maintain a CUPA Hazardous Waste generator permit. (SBCC 23.0602)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 436889
Facility Name: Redlands Auto Electric
Env Int Type Code: HMBP
Program ID: 10761757
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.059000
Longitude: -117.199250

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Identification Signer
Entity Name:	SEMON SHABKE
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1165 W. Park Ave.
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Redlands Auto Electric
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	SEMON SHABKE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Semon Shabke
Entity Title:	Not reported
Affiliation Address:	1165 W. Park Ave.
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Affiliation Type Desc:	Legal Owner
Entity Name:	Semon Shabke
Entity Title:	Not reported
Affiliation Address:	redlandsauto@yahoo.com
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 792-4776,

Affiliation Type Desc:	Operator
Entity Name:	Redlands Auto Electric
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 233-7851,

Affiliation Type Desc:	Property Owner
Entity Name:	SEMON SHABKE
Entity Title:	Not reported
Affiliation Address:	1165 W PARK AVE
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 792-4776,

HWTS:

Name:	REDLANDS AUTO ELECTRIC
Address:	1165 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000434888
Inactive Date:	06/30/2020
Create Date:	04/11/2018
Last Act Date:	10/21/2020
Mailing Name:	Not reported
Mailing Address:	1165 W. PARK AVE.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	JAMES COOPER
Owner Address:	33909 ENOCH AVE.
Owner Address 2:	Not reported
Owner City,State,Zip:	YUCAIPA, CA 923990000
Contact Name:	JAMES COOPER
Contact Address:	1165 W. PARK AVE.
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAL000434888
Create Date:	2018-04-11 10:48:05.077
NAICS Code:	811111

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2018-04-11 10:48:05.06000
Inactive Date:	2020-06-30 00:00:00
Facility Name:	REDLANDS AUTO ELECTRIC
Facility Address:	1165 W PARK AVE
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

H56 **REDLANDS AUTO ELECTRIC** **RCRA NonGen / NLR** **1024866304**
NNE **1165 W PARK AVE** **CAL000434888**
1/8-1/4 **REDLANDS, CA 92373**
0.136 mi.
716 ft. **Site 10 of 12 in cluster H**

Relative: **Higher**

Actual: **1276 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20180411
Handler Name:	REDLANDS AUTO ELECTRIC
Handler Address:	1165 W PARK AVE
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000434888
Contact Name:	JAMES COOPER
Contact Address:	1165 W PARK AVE
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-792-4776
Contact Fax:	909-792-6582
Contact Email:	JAMCP@AOL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1165 W PARK AVE
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	JAMES COOPER
Owner Type:	Other
Operator Name:	JAMES COOPER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes

REDLANDS AUTO ELECTRIC (Continued) **1024866304**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES COOPER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1165 W PARK AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-792-4776
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

REDLANDS AUTO ELECTRIC (Continued) **1024866304**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAMES COOPER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1165 W PARK AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-792-4776
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180411
Handler Name:	REDLANDS AUTO ELECTRIC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I57 **REDLANDS CORPORATE YARD** **LUST** **S101591433**
North **1270 PARK AVE** **SWEEPS UST** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CA FID UST**
0.142 mi. **Cortese**
749 ft. **Site 1 of 5 in cluster I** **HIST CORTESE**
CERS

Relative:
Higher

Actual:
1266 ft.

LUST:

Name:	REDLANDS CORPORATE YARD
Address:	1270 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100594
Global Id:	T0607100594
Latitude:	34.059252
Longitude:	-117.2016269
Status:	Completed - Case Closed
Status Date:	06/14/2000

REDLANDS CORPORATE YARD (Continued) **S101591433**

Case Worker: Not reported
RB Case Number: 083603526T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 99100
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0607100594
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0607100594
Action Type: Other
Date: 04/15/1999
Action: Leak Discovery

Global Id: T0607100594
Action Type: ENFORCEMENT
Date: 06/14/2000
Action: Closure/No Further Action Letter

Global Id: T0607100594
Action Type: Other
Date: 05/14/1999
Action: Leak Reported

Global Id: T0607100594
Action Type: Other
Date: 04/15/1999
Action: Leak Stopped

LUST:
Global Id: T0607100594
Status: Open - Case Begin Date
Status Date: 04/15/1999

Global Id: T0607100594
Status: Open - Site Assessment
Status Date: 05/14/1999

Global Id: T0607100594
Status: Completed - Case Closed
Status Date: 06/14/2000

LUST REG 8:
Name: REDLANDS CORPORATE YARD

REDLANDS CORPORATE YARD (Continued) **S101591433**

Address:	1270 PARK AVE
City:	REDLANDS
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083603526T
Local Case Num:	99100
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	TENNESSEE
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0607100594
How Stopped Date:	4/15/1999
Enter Date:	9/1/1999
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	4/15/1999
Enforcement Date:	Not reported
Close Date:	6/14/2000
Date Prelim Assessment Workplan Submitted:	5/14/1999
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/1/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0592856
Longitude:	-117.2017634
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	No

REDLANDS CORPORATE YARD (Continued) **S101591433**

Summary: Not reported

SWEEPS UST:

Name:	CITY OF REDLANDS CORP YARD
Address:	1270 PARK AVE
City:	REDLANDS
Status:	Active
Comp Number:	14146
Number:	4
Board Of Equalization:	44-020540
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	09-07-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-014146-000001
Tank Status:	A
Capacity:	1
Active Date:	09-07-88
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	8

Name:	CITY OF REDLANDS CORP YARD
Address:	1270 PARK AVE
City:	REDLANDS
Status:	Active
Comp Number:	14146
Number:	4
Board Of Equalization:	44-020540
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	09-07-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-014146-000002
Tank Status:	A
Capacity:	1
Active Date:	09-07-88
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	CITY OF REDLANDS CORP YARD
Address:	1270 PARK AVE
City:	REDLANDS
Status:	Active
Comp Number:	14146
Number:	4
Board Of Equalization:	44-020540
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	09-07-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-014146-000003
Tank Status:	A
Capacity:	1

REDLANDS CORPORATE YARD (Continued) **S101591433**

Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000004
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000005
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported

REDLANDS CORPORATE YARD (Continued) **S101591433**

SWRCB Tank Id: 36-000-014146-000006
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000007
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000008
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36007694
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported

REDLANDS CORPORATE YARD (Continued) **S101591433**

Mailing Address: PO BOX 2090
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 923730629
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:
Name: REDLANDS CORPORATE YARD
Address: 1270 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100594
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: REDLANDS CORPORATE YARD
edr_fadd1: 1270
City,State,Zip: REDLANDS, CA 92373
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083603526T

CERS:
Name: REDLANDS CORPORATE YARD
Address: 1270 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 196948
CERS ID: T0607100594
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker

REDLANDS CORPORATE YARD (Continued) **S101591433**

Entity Name:	VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517824903,

I58 **REDLANDS CITY** **CERS HAZ WASTE** **S106838120**
North **1270 W PARK AVE** **CERS TANKS** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **EMI**
0.142 mi. **San Bern. Co. Permit**
749 ft. **Site 2 of 5 in cluster I** **CERS**

Relative: Higher
Actual: 1266 ft.

CERS HAZ WASTE:

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Site ID:	60994
CERS ID:	10037302
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Site ID:	60994
CERS ID:	10037302
CERS Description:	Underground Storage Tank

EMI:

Name:	REDLANDS CITY
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	29454
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	REDLANDS CITY
Address:	1270 W PARK AV
City,State,Zip:	REDLANDS, CA 92373
Year:	1995

REDLANDS CITY (Continued) **S106838120**

County Code:	36
Air Basin:	SC
Facility ID:	29454
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

San Bern. Co. Permit:

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002002
Owner:	CITY OF REDLANDS
Permit Number:	PT0039829
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	10/31/2021

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002002
Owner:	CITY OF REDLANDS
Permit Number:	PT0011082
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	10/31/2021

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002002
Owner:	CITY OF REDLANDS
Permit Number:	PT0011083
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	10/31/2021

Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002002
Owner:	CITY OF REDLANDS
Permit Number:	PT0011084

REDLANDS CITY (Continued) **S106838120**

Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003464
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003463
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0021424
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003465
Permit Category: CE ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 10/31/2009

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011085
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE

REDLANDS CITY (Continued) **S106838120**

Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011086
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011087
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011088
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011089
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

CERS:
Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 60994
CERS ID: 10037302
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 60994
Site Name: REDLANDS CORP YRD

REDLANDS CITY (Continued) **S106838120**

Violation Date: 12-21-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 01/18/2019. OBSERVATION: Overfill Prevention Equipment testing was not conducted every 36 months. CORRECTIVE ACTION: As of October 13, 2018, Overfill Prevention Equipment must be tested every 36 months. Contact the OFM office to schedule an appointment within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-08-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/21/2017. OBSERVATION: THE CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR) ON RECORD IDENTIFIES AN EXPIRED PERIOD OF COVERAGE (7/1/15). REQUIREMENT: WITHIN 30 DAYS; UPDATE THE CFR WITH THE CURRENT POLICY COVERAGE DATES AND RESUBMIT TO CERS. UPON COMPLETION, SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 02-10-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code,

REDLANDS CITY (Continued) **S106838120**

	Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/11/2015. OBSERVATION: THE SUBMITTED DOCUMENTATION EXPIRED 07/01/2014. COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	02-21-2020
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/21/2020. OBSERVATION: The DO monthly inspections are to be conducted once every 30 days. The following DO monthly inspections were not conducted every 30 days: March 2019, June 2019, October 2019, December 2019, and January 2020. CORRECTIVE ACTION: Spoke with Monica Duran about the recent law change as of October 2018. No further action required.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	11-19-2015
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 01/05/2017. INVENTORY INCOMPLETE
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

REDLANDS CITY (Continued) **S106838120**

Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-16-2013
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 12/20/2013. THE SERVICE TECHNICIAN DID NOT HAVE A CURRENT CERTIFICATION TO TEST THE BEAUDREAU SENSORS IN THE UDCS. PLEASE SCHEDULE A RE-INSPECTION TO TEST THE BEAUDREAU SENSORS WITHIN 15 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	07-30-2021
Citation:	HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	SECONDARY CONTAINMENT FAILURES WHERE OBSERVED DURING INSPECTION AS FOLLOWS: -UDC #11/12 -UDC #7/8 -UDC #5/6 -T2 87 FILL -T3 DIESEL FILL IMMEDIATELY REPAIR ALL SECONDARY CONTAINMENT FAILURES, RETEST, AND SUBMIT PASSING RESULTS TO THIS DEPARTMENT WITHIN 30 DAYS. NOTE: CONTACT THIS DEPARTMENT FOR APPROVAL PRIOR TO ANY REPAIRS REQUIRING PERMITS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	02-05-2021
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 03/05/2021. WEST REGULAR FILL SPILL CONTAINER FAILED WHEN TESTED DURING INSPECTION. IMMEDIATELY REPAIR/REPLACE FAILED SPILL CONTAINER AND SUBMIT PASSING RE-TEST RESULTS WITH DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

REDLANDS CITY (Continued) **S106838120**

Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-09-2015
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 12/09/2015. OBSERVATION: THE EAST-87 ANNULAR SENSOR FAILED. COMPLIANCE MET ON SITE: TECHNICIAN REPLACED AND RE-TESTED- PASSED
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-01-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 01/18/2019. Violation Observed: Current Certificate of Fianancial Responsibilty not uploaded in CERS. Corrective Action: Upload Current document in CERS. Violation Observed: Current Owner/DO Statement not uploaded in CERS. Corrective action: Upload current document in CERS. Violation Observed: UST Site Plan does not correctly reflect turbine and fuel line location. Corrective Action: Fill Sump L4 contains turbine supplyiny despensers 11 and 12. Make required corrections within 30 days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-16-2013
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/30/2013. THE CERTIFICATION OF FINANCIAL RESPONSIBILITY ON SITE WAS NOT CURRENT. PLEASE MAINTAIN A CURRENT FINANCIAL RESPONSIBILITY DOCUMENT ON SITE AND SUBMIT IT TO CERS BY 12/31/13.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD

REDLANDS CITY (Continued) **S106838120**

Violation Date:	12-16-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 12/17/2013. THE BUSINESS PLAN HAS NOT BEEN SUBMITTED TO CERS AND SHOULD HAVE BEEN BY 10/31/13 (PERMIT EXPIRATION DATE). SUBMIT THE BUSINESS PLAN TO CERS BY 12/31/13.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	02-21-2020
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 02/21/2020. OBSERVATION: The annual monitoring certification is to be conducted once every 12 months. The last annual monitoring certification was conducted in 12/2018, which is over 12 months ago. CORRECTIVE ACTION: Spoke with Monica Duran of this law change as of October 2018. The annual monitoring certification was conducted while on-site. No further corrective action necessary.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	11-04-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 01/29/2020. A spill Prevention Control and Countermeasures Plan (SPCC Plan) was not available for review at the time of the inspection. Facility is subject to preparing and implementing a SPCC Plan due to the quantity of petroleum materials storage aboveground. CORRECTIVE ACTION: Sign the Certificate of Compliance indicating that a Spill Prevention, Control and Countermeasure Plan (SPCC Plan) has been prepared and implemented.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-21-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to

REDLANDS CITY (Continued) **S106838120**

operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/09/2019. OBSERVATION: Inaccurate UST Tank Information on CERS. CORRECTIVE ACTION: Update and submit accurate UST Tank Information via CERS: 1. Tank Install Date should be 05/01/1987. 2. Under Corrosion Protection, isolation should be marked YES . 3. Vapor Recovery Secondary Containment should be FIBERGLASS for tank #1 and #2 (Unlead).
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 11-19-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/05/2017. INVENTORY INCOMPLETE
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-16-2013
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/16/2013. THERE WAS WATER IN THE 87 FILL SUMP. KEEP SUMPS CLEAN AND DRY AT ALL TIMES. THE WATER WAS REMOVED TODAY-VIOLATION CORRECTED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 03-05-2021
Citation: 23 CCR 16 2635(e)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(e)(8)
Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes: Returned to compliance on 03/11/2021. 87 WEST REGULAR AND 87 EAST REGULAR UST OVEFILL SHUT OFF VALVES WERE REPLACED, INSPECTED AND WITNESSED COMPLIANT. IMMEDIATELY SUBMIT AS-BUILT PLANS TO THIS DEPARTMENT FOR THE REPLACEMENT OF THE PREVIOUSLY MENTIONED FILL TUBE SHUT OFF VALVES WITHIN 30 DAYS. NOTE: THE INSPECTION COMPLETED TODAY WILL FULFILL THE FINAL REQUIREMENTS OF THE AS BUILT PLANS TO BE OBTAINED FOR THE REPLACEMENT OF THE FILL TUBE SHUT OFF VALVES.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

REDLANDS CITY (Continued) **S106838120**

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 02-05-2021
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/09/2021. EVIDENCE OF FINANCIAL RESPONSIBILITY SUBMITTED ON LINE IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) IS EXPIRED AND NO LONGER CURRENT. IMMEDIATELY OBTAIN CURRENT EVIDENCE OF FINANCIAL RESPONSIBILITY TO BE SUBMITTED ON LINE IN CERS AND PROVIDE DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-08-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 08/21/2017. OBSERVATION: THE TANK INFORMATION SUBMITTED TO CERS REQUIRES MULTIPLE CORRECTIONS PRIOR TO BEING ACCEPTED INTO THE SYSTEM. CORRECT THE FOLLOWING: 1.) UPDATE THE PIPING SYSTEM TYPE TO IDENTIFY THE PIPING AS "PRESSURE" (NOT CONVENTIONAL SUCTION)-ALL TANKS. 2.) UPDATE THE PIPING/TURBINE CONTAINMENT SUMPS AS SINGLE-WALLED (NOT DOUBLE-WALLED)-ALL TANKS. 3.) UPDATE THE VENT PIPING SECTION TO REFLECT THE PRIMARY AS "FIBERGLASS" (NOT STEEL)-TANK 1 AND 2. 4.) UPDATE THE VENT PIPING SECTION TO REFLECT THE SECONDARY AS "FIBERGLASS" (NOT STEEL)-TANK 3. 5.) UPDATE THE RISER CONTAINMENT SECTION TO IDENTIFY THE PRIMARY CONTAINMENT AS "STEEL" AND THE SECONDARY CONTAINMENT AS "FIBERGLASS"-ALL TANKS. 6.) UPDATE THE UDC CONSTRUCTION SECTION TO IDENTIFY THE TYPE AS "SINGLE-WALLED" (NOT DOUBLE WALLED)-ALL TANKS. 7.) REMOVE THE IDENTIFICATION OF VAPOR RECOVERY PIPING FOR TANK 3 (DIESEL IS NOT CONNECTED TO VAPOR RECOVERY PIPING) REQUIREMENT: WITHIN 30 DAYS, UPDATE THE TANK INFORMATION [Truncated]
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-01-2017
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 01/18/2019. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) *UST Monitoring/Response Plans, Evidence of Financial Responsibility, UST D.O. Statement/Agreement, UST Permit Application with Tank Forms submitted on line in CERS not current or correct. Corrective action Required: UST DO Statement/Agreement requires

REDLANDS CITY (Continued) **S106838120**

amendment to reflect change in DO to Fuel Serv. And entry in CERS., Certificate of Financial Responsibility requires download to CERS. UST Monitoring Site Plan requires amendment to indicate turbine location in L4 Fill feeding dispensers 11 and 12. Make required corrections within 30 days

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 02-10-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/11/2015. OBSERVATION: THE CERS UST Tank Information/Monitoring Plan - Tank ID # 1 , 2 & 3 INFORMATION HAD NOT BEEN SUBMITTED . COMPLIANCE REQUIREMENT: SUBMIT UST Tank Information/Monitoring Plan - Tank ID # 1 ,2 & 3 TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-08-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 08/21/2017. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) OBSERVATION: THE UST MONITORING PLANS MUST BE CORRECTED PRIOR TO BEING ACCEPTED INTO THE SYSTEM. CORRECT THE FOLLOWING: 1.) UPDATE THE ANNULAR SENSOR MODEL TO REFLECT THE CORRECT MODEL USED: 409 (NOT 420)-ALL TANKS. 2.) CHECK "YES" DESIGNATED OPERATOR TRAINING-ALL TANKS. 3.) SUBMIT A UST SITE MONITORING MAP THAT CONTAINS THE TANK LOCATION, SIZE AND CONTENTS, THE UNDERGROUND PIPING LAYOUT, THE UDC LOCATIONS AND ALL MONITORING EQUIPMENT USED. INCLUDE THE LOCATION OF THE EMERGENCY SHUT-OFF SWITCH AND MONITORING PANEL. REQUIREMENT: WITHIN 30 DAYS, UPDATE THE MONITORING PLANS TO INCLUDE THE ABOVE NOTED INFORMATION WITH A COMPLETE A UST SITE PLAN AND SUBMIT TO CERS. UPON COMPLETION, SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-21-2018
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of

REDLANDS CITY (Continued) **S106838120**

Understanding and Compliance Form.
Violation Notes: Returned to compliance on 01/18/2019. OBSERVATION: Inaccurate UST Tank information for Owner/Operator Agreement. Designated Operator form was uploaded instead of Owner/Operator agreement. CORRECTIVE ACTION: Update UST information via CERS: If Tank Owner/Operator are the same, it should be listed EXEMPT .
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 02-05-2021
Citation: 23 CCR 16 2644.1(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(2)
Violation Description: Failure to demonstrate to the UPA that the equipment and methods used to monitor the UST system are certified by an independent third-party as complying with the standards set forth in 23 CCR 2643(f).
Violation Notes: Returned to compliance on 03/05/2021. WEST REGULAR VEEDER ROOT WRAP AROUND ANNULAR SENSOR CANNOT BE TESTED/CERTIFIED DURING INSPECTION DUE TO MISSING PULL WIRE. IMMEDIATELY REPAIR SENSOR TO BE MAINTAINED IN A MANNER THAT CAN BE TESTED/CERTIFIED AND SCHEDULE A WITNESSED RE-TEST WITH THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-30-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SECONDARY CONTAINMENT TEST
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2015

REDLANDS CITY (Continued) **S106838120**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	FA0002002 Redlands Corp yard Annual inspection, monitoring Cert With CERS review)
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-07-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	RETEST OF THE SHEAR VALVE. PERMIT # SR0177752
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-16-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	" "
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-16-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS CORP YARD 1270 W PARK AVE REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-20-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	FOLLOW UP INSPECTION TO THE ANNUAL CERTIFICATION PERFORMED IN 12/16/13. ORIGINAL TECHNICIAN DID NOT POSSESS THE PROPER CERTIFICATION TO TEST THE UDC BEAUDREAU SENSORS. CERTIFICATIONS CONFIRMED DURING RE-TEST. ALL PASSED (TRIPPED SERVO AT DISPENSER/ELIMINATED FLOW)
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

REDLANDS CITY (Continued) **S106838120**

Eval Date:	12-08-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST FIELD INSPECTION AND CERS REVIEW-ANNUAL MONITORING SYSTEM CERTIFICATION (3 TANKS) W/KEVIN NELSON
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-10-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS CORP YARD- UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-05-2021
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	RE-INSPECTION TO FOLLOW UP ON COMPLIANCE FOR DEFICIENCIES NOTED IN THE PREVIOUS INSPECTION REPORT
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - HW
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2017

REDLANDS CITY (Continued) **S106838120**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: FA0002002 Redlands Corp Yard UST Handler
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REDLANDS CORP YARD- UST INSPECTION & UST MONITORING INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

REDLANDS CITY (Continued) **S106838120**

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-10-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-16-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-08-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-19-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373

REDLANDS CITY (Continued) **S106838120**

Enf Action Date: 12-16-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 60994
Facility Name: REDLANDS CORP YRD
Env Int Type Code: HWG
Program ID: 10037302
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.059275
Longitude: -117.201666

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Document Preparer
Entity Name: Monica Duran
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: REDLANDS CORP YRD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Timothy Sullivan
Entity Title: Not reported
Affiliation Address: PO BOX 3005
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported

REDLANDS CITY (Continued) **S106838120**

Affiliation Zip:	92373
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1270 PARK AVE
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373-0629
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	PO Box 3005
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655,
Affiliation Type Desc:	Legal Owner
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	1270 WEST PARK AVE
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7567,
Affiliation Type Desc:	Operator
Entity Name:	Timothy Sullivan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 798-7655,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Ashley Claire Johnson
Entity Title:	Project Assistant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 798-7655,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	City of Redlands
Entity Title:	Not reported
Affiliation Address:	PO Box 3005

REDLANDS CITY (Continued) **S106838120**

Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655,
Affiliation Type Desc:	Identification Signer
Entity Name:	Monica Duran
Entity Title:	Senior Administrative Assistant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	PO BOX 3005
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655,

I59 **CI-REDLANDS CORP YRD** **UST** **U004350501**
North **1270 W PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.142 mi.
749 ft. **Site 3 of 5 in cluster I**

Relative: UST:
Higher

Name:	CI-REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	87014146
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.0608277
Longitude:	-117.2000274

I60 **SOUTHERN CA FLEET SERVICES INC** **RCRA NonGen / NLR** **1024849006**
North **1270 W PARK AVE BLDG F** **CAL000405115**
1/8-1/4 **REDLANDS, CA 92373**
0.142 mi.
749 ft. **Site 4 of 5 in cluster I**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	20150311
Handler Name:	SOUTHERN CA FLEET SERVICES INC
Handler Address:	1270 W PARK AVE BLDG F
Handler City,State,Zip:	REDLANDS, CA 92373-8112
EPA ID:	CAL000405115
Contact Name:	TONI CASH

SOUTHERN CA FLEET SERVICES INC (Continued) **1024849006**

Contact Address:	11752 HESPERIA
Contact City,State,Zip:	HESPERIA, CA 92345-0000
Contact Telephone:	760-949-1968
Contact Fax:	760-949-6554
Contact Email:	TCASH@SOCALFLEET.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2855 SAMPSON AVE
Mailing City,State,Zip:	CORONA, CA 92879-0000
Owner Name:	SOUTHERN CAL FLEET SERVICES INC
Owner Type:	Other
Operator Name:	TONI CASH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

SOUTHERN CA FLEET SERVICES INC (Continued) **1024849006**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CAL FLEET SERVICES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2855 SAMPSON AVE
Owner/Operator City,State,Zip:	CORONA, CA 92879-0000
Owner/Operator Telephone:	951-272-8655
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TONI CASH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11752 HESPERIA
Owner/Operator City,State,Zip:	HESPERIA, CA 92345-0000
Owner/Operator Telephone:	760-949-1968
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150311
Handler Name:	SOUTHERN CA FLEET SERVICES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

SOUTHERN CA FLEET SERVICES INC (Continued) **1024849006**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I61 **REDLANDS CORP YRD** **UST** **U004352139**
North **1270 W PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.142 mi.
749 ft. **Site 5 of 5 in cluster I**

Relative: UST:
Higher
Name: REDLANDS CORP YRD
Actual: Address: 1270 W PARK AVE
1266 ft. City,State,Zip: REDLANDS, CA 92373
Facility ID: FA0002002
Permitting Agency: San Bernardino County Fire Department
CERSID: 10037302
Latitude: 34.059361
Longitude: -117.201658

H62 **CITY YARDS** **HIST UST** **U001575393**
NNE **501 TENNESSEE STREET** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.148 mi.
781 ft. **Site 11 of 12 in cluster H**

Relative: HIST UST:
Higher
Name: CITY YARDS
Actual: Address: 501 TENNESSEE ST
1272 ft. City,State,Zip: REDLANDS, CA 92373
File Number: 00029CA7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029CA7.pdf
Region: STATE
Facility ID: 00000032746
Facility Type: Other
Other Type: MUNICIPALITY
Contact Name: ROBERT L. SHELTON
Telephone: 7147932641
Owner Name: CITY OF REDLANDS
Owner Address: 30 CAJON STREET
Owner City,St,Zip: REDLANDS, CA 92373
Total Tanks: 0004

Tank Num: 001

CITY YARDS (Continued) **U001575393**

Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000

CITY YARDS (Continued) **U001575393**

Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported

CITY YARDS (Continued) **U001575393**

Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003

CITY YARDS (Continued) **U001575393**

Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	003
Container Num:	503
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	503
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	503
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	503
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000

CITY YARDS (Continued) **U001575393**

Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported

CITY YARDS (Continued) **U001575393**

Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

H63 **REDLANDS MAINTENANCE CITY OF** **RCRA-SQG** **1000277284**
NNE **501 TENNESSEE** **CAD981997315**
1/8-1/4 **REDLANDS, CA 92373**
0.148 mi.
781 ft. **Site 12 of 12 in cluster H**

Relative: RCRA-SQG:
Higher

Date Form Received by Agency:	19960901
Handler Name:	REDLANDS MAINTENANCE CITY OF
Handler Address:	501 TENNESSEE
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAD981997315
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	TENNESSEE
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	REDLANDS CITY OF
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported

Actual:
1272 ft.

REDLANDS MAINTENANCE CITY OF (Continued) **1000277284**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REDLANDS CITY OF
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

REDLANDS MAINTENANCE CITY OF (Continued) **1000277284**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: REDLANDS MAINTENANCE CITY OF
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910613
Handler Name: REDLANDS MAINTENANCE CITY OF
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920107
Handler Name: CITY OF REDLANDS, GARAGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 324191
NAICS Description: PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

NAICS Code: 326212
NAICS Description: TIRE RETREADING

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

NAICS Code: 811198

REDLANDS MAINTENANCE CITY OF (Continued) **1000277284**

NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

NAICS Code: 81131
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

NAICS Code: 81411
NAICS Description: PRIVATE HOUSEHOLDS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J64 **L & L TOWING** **San Bern. Co. Permit** **S104767645**
NE **1143 PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.148 mi.
784 ft. **Site 1 of 2 in cluster J**

Relative: **Higher**
Actual: **1278 ft.**

San Bern. Co. Permit:
Name: L & L TOWING
Address: 1143 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004316
Owner: ANDERSON, HAROLD
Permit Number: PT0006953
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 12/31/2010

Name: L & L TOWING
Address: 1143 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004316
Owner: ANDERSON, HAROLD
Permit Number: PT0006954
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2010

K65 **PLANT #1 - DUNMOVIN** **US MINES** **1022836889**
WNW **ABANDONED MINES** **N/A**
1/8-1/4 **, CA 92392**
0.153 mi.
807 ft. **Site 1 of 4 in cluster K**

Relative: **Lower**
Actual: **1243 ft.**

MINES VIOLATIONS:
Name: PLANT 1
Address: 410 MISSOURI COURT
City,State,Zip: REDLANDS, CA 92373

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Facility ID: Not reported

MINES VIOLATIONS:

Violation Number:	8874734
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/14/2016
Title 30 Code of Federal Regulations:	56.11001
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8874735
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/06/2016
Title 30 Code of Federal Regulations:	56.9300(b)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874736
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/06/2016
Title 30 Code of Federal Regulations:	56.11002
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874737
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(g)(1)
Type of Issue:	Order
S and S:	N
Term Date:	10/07/2016
Title 30 Code of Federal Regulations:	46.8(a)(2)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation

PLANT #1 - DUNMOVIN (Continued) **1022836889**

PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8874738
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/11/2016
Title 30 Code of Federal Regulations:	56.12028
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8874739
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/07/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/07/2016
Title 30 Code of Federal Regulations:	56.20003(a)

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8788806
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/13/2015
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/13/2015
Title 30 Code of Federal Regulations:	56.9101
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2015
Address Type:	MineLocation
PO Box:	Not reported
Address:	410 MISSOURI COURT
City:	REDLANDS
State:	CA
Operator:	Talon Services Inc.
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8788866
Mine ID:	0405853

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Contractor ID:	Not reported
Date Issued:	06/02/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	06/07/2016
Title 30 Code of Federal Regulations:	56.14107(a)
Proposed Penalty:	114.00
Assessment Amount:	114.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8994672
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	5/18/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	5/19/2017
Title 30 Code of Federal Regulations:	56.14132(b)(1)(i)
Proposed Penalty:	116.00
Assessment Amount:	116.00
Paid Penalty Amount:	116.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012
Mine Status:	Abandoned
Status Date:	3/5/2018

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8994673
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	5/18/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	5/23/2017
Title 30 Code of Federal Regulations:	56.14110
Proposed Penalty:	116.00
Assessment Amount:	116.00
Paid Penalty Amount:	116.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012
Mine Status:	Abandoned
Status Date:	3/5/2018
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8995105
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	11/2/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/2/2017
Title 30 Code of Federal Regulations:	56.12008
Proposed Penalty:	492.00
Assessment Amount:	492.00
Paid Penalty Amount:	492.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012
Mine Status:	Abandoned
Status Date:	3/5/2018
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Click this hyperlink while viewing on your computer to access
4 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

ABANDONED MINES:

Mine ID:	0405853
Mine Name:	PLANT 1
Mine Address:	Not reported
City,State,Zip:	CA 92373
Primary SIC Code:	Crushed, Broken Stone NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2018-03-05 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	0105513
Controller Name:	T J Lamb
Operator ID:	0124250
Operator name:	Aggrecon LLC
Address of Record Street:	602 Amigos Drive #C
Address of Record PO Box:	Not reported
Address of Record City:	Redlands
Address of Record State:	CA
Address of Record Zip Code:	92373
Assessment Address Street:	602 Amigos Drive #C
Assessment Address PO Box:	Not reported
Assessment Address City:	REDLANDS
Assessment Address State:	CA
Assessment Address Zip Code:	92373
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Mine ID:	0405806
Mine Name:	PLANT #1
Mine Address:	Not reported
City,State,Zip:	CA 91353
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2010-11-19 00:00:00
Coal (C) or Metal (M) Mine:	M

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Controller ID:	0092993
Controller Name:	Albert Mattivi
Operator ID:	0109945
Operator name:	Recycled Base Materials Inc
Address of Record Street:	9050 norris ave
Address of Record PO Box:	Not reported
Address of Record City:	sun valley
Address of Record State:	CA
Address of Record Zip Code:	91353
Assessment Address Street:	9050 Norris Avenue
Assessment Address PO Box:	Not reported
Assessment Address City:	SUN VALLEY
Assessment Address State:	CA
Assessment Address Zip Code:	91353
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	34.233611
Longitude:	-118.376666

Mine ID:	0404411
Mine Name:	PLANT #1 - DUNMOVIN
Mine Address:	Not reported
City,State,Zip:	CA 92392
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	1986-07-15 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	M06237
Controller Name:	Mendel Al Jr
Operator ID:	L07847
Operator name:	Desert Construction Company
Address of Record Street:	Not reported
Address of Record PO Box:	1778
Address of Record City:	VICTORVILLE
Address of Record State:	CA
Address of Record Zip Code:	92392
Assessment Address Street:	Not reported
Assessment Address PO Box:	1778
Assessment Address City:	VICTORVILLE
Assessment Address State:	CA
Assessment Address Zip Code:	92392
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Mine ID:	0405316
Mine Name:	PLANT 1
Mine Address:	Not reported
City,State,Zip:	CA 91342

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2003-01-15 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	M11582
Controller Name:	Bobby M Johnson
Operator ID:	L15193
Operator name:	Frazier Park Sand & Gravel
Address of Record Street:	12779 Kagel Canyon Rd
Address of Record PO Box:	Not reported
Address of Record City:	LAKEVIEW TERRACE
Address of Record State:	CA
Address of Record Zip Code:	91342
Assessment Address Street:	12779 Kagel Canyon Rd
Assessment Address PO Box:	Not reported
Assessment Address City:	LAKEVIEW TERRACE
Assessment Address State:	CA
Assessment Address Zip Code:	91342
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Mine ID:	0405449
Mine Name:	PLANT #1
Mine Address:	Not reported
City,State,Zip:	CA 928792027
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2002-05-29 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	M13289
Controller Name:	Lori Leinen
Operator ID:	L17429
Operator name:	Gail Materials Inc
Address of Record Street:	1256 Magnolia Ave
Address of Record PO Box:	Not reported
Address of Record City:	CORONA
Address of Record State:	CA
Address of Record Zip Code:	928792027
Assessment Address Street:	1256 Magnolia Ave
Assessment Address PO Box:	Not reported
Assessment Address City:	CORONA
Assessment Address State:	CA
Assessment Address Zip Code:	928792027
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Mine ID:	0405732
Mine Name:	PLANT 1
Mine Address:	Not reported
City,State,Zip:	CA 923689593
Primary SIC Code:	Crushed, Broken Stone NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2021-06-15 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	0069335
Controller Name:	Kirk Arnold Schulthess
Operator ID:	0093826
Operator name:	Cutting Edge Aggregates Inc
Address of Record Street:	18020 National Trails Hwy.
Address of Record PO Box:	Not reported
Address of Record City:	Oro Grande
Address of Record State:	CA
Address of Record Zip Code:	923689593
Assessment Address Street:	18020 National Trails Hwy
Assessment Address PO Box:	Not reported
Assessment Address City:	Oro Grande
Assessment Address State:	CA
Assessment Address Zip Code:	923689593
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	34.533056
Longitude:	-117.293056

Mine ID:	0405740
Mine Name:	PLANT 1
Mine Address:	Not reported
City,State,Zip:	CA 92887
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2007-12-17 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	0071891
Controller Name:	Vulcan Materials Company
Operator ID:	0160133
Operator name:	North American Recycling and Crushing, LLC
Address of Record Street:	22895-C Savi Ranch Parkway, Unit E
Address of Record PO Box:	Not reported
Address of Record City:	Yorba LInda
Address of Record State:	CA
Address of Record Zip Code:	92887
Assessment Address Street:	22895-C Savi Ranch Parkway Unit E
Assessment Address PO Box:	Not reported
Assessment Address City:	YORBA LINDA
Assessment Address State:	CA
Assessment Address Zip Code:	92887
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Mine ID:	0405792
Mine Name:	PLANT #1
Mine Address:	Not reported
City,State,Zip:	CA 95320
Primary SIC Code:	Sand, Industrial NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2013-08-06 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	0088575
Controller Name:	Deawn Weiher; Todd Weiher
Operator ID:	0104705
Operator name:	Advanced Rock Crushing Service LLC
Address of Record Street:	390 California Street
Address of Record PO Box:	Not reported
Address of Record City:	Escalon
Address of Record State:	CA
Address of Record Zip Code:	95320
Assessment Address Street:	390 California Street
Assessment Address PO Box:	Not reported
Assessment Address City:	ESCALON
Assessment Address State:	CA
Assessment Address Zip Code:	95320
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Mine ID:	0405818
Mine Name:	PLANT 1
Mine Address:	Not reported
City,State,Zip:	CA 92882
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2011-06-03 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	0098753
Controller Name:	Charles G Roe; Don John Unmacht
Operator ID:	0116566
Operator name:	Hard Rock Crushing Services Inc
Address of Record Street:	1370 Stein Way
Address of Record PO Box:	Not reported
Address of Record City:	Corona
Address of Record State:	CA
Address of Record Zip Code:	92882
Assessment Address Street:	1370 Stein Way
Assessment Address PO Box:	Not reported
Assessment Address City:	CORONA

PLANT #1 - DUNMOVIN (Continued) **1022836889**

Assessment Address State:	CA
Assessment Address Zip Code:	92882
Mine Health and Safety Address Street:	Not reported
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Not reported
Mine Health and Safety Address State:	Not reported
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

J66 **HUTCHISON MANUFACTURING** **San Bern. Co. Permit** **S106803205**
NE **1113 W PARK AVE B** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.161 mi.
850 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
1280 ft.

San Bern. Co. Permit:

Name:	HUTCHISON MANUFACTURING
Address:	1113 W PARK AVE B
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0003887
Owner:	DZIAK CORPORATION
Permit Number:	PT0007558
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2007

Name:	HUTCHISON MANUFACTURING
Address:	1113 W PARK AVE B
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0003887
Owner:	DZIAK CORPORATION
Permit Number:	PT0007561
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status:	INACTIVE
Expiration Date:	05/31/2007

K67 **NATIONWIDE MARKETING SOLUTIONS** **San Bern. Co. Permit** **S107863382**
WNW **446 MISSOURI CT** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
865 ft. **Site 2 of 4 in cluster K**

Relative:
Lower

Actual:
1243 ft.

San Bern. Co. Permit:

Name:	NATIONWIDE MARKETING SOLUTIONS
Address:	446 MISSOURI CT
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010334
Owner:	MILON-BRASSELL, INC.
Permit Number:	PT0017546
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2010

L68 **SAN BERNARDINO COUNTY FIRE DEPARTMENT** **RCRA NonGen / NLR** **1024785153**
NW **500 KANSAS AVE** **CAH111001289**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
866 ft. **Site 1 of 5 in cluster L**

Relative: **Lower**

Actual: **1254 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20090528
Handler Name:	SAN BERNARDINO COUNTY FIRE DEPARTMENT
Handler Address:	500 KANSAS AVE
Handler City,State,Zip:	REDLANDS, CA 92373-0000
EPA ID:	CAH111001289
Contact Name:	IONIE WALLACE
Contact Address:	2824 EAST W ST
Contact City,State,Zip:	SAN BERNARDINO, CA 92415-0799
Contact Telephone:	909-382-5401
Contact Fax:	909-382-5413
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2824 EAST W ST
Mailing City,State,Zip:	SAN BERNARDINO, CA 92415-0799
Owner Name:	SAN BERNARDINO COUNTY FIRE DEPARTME
Owner Type:	Other
Operator Name:	IONIE WALLACE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

SAN BERNARDINO COUNTY FIRE DEPARTMENT (Continued) **1024785153**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAN BERNARDINO COUNTY FIRE DEPARTME
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2824 EAST W ST
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92415-0799
Owner/Operator Telephone:	909-382-5401
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	IONIE WALLACE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2824 EAST W ST
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92415-0799
Owner/Operator Telephone:	909-382-5401
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SAN BERNARDINO COUNTY FIRE DEPARTMENT (Continued) **1024785153**

Historic Generators:
Receive Date: 20090528
Handler Name: SAN BERNARDINO COUNTY FIRE DEPARTMENT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 924
NAICS Description: ADMINISTRATION OF ENVIRONMENTAL QUALITY PROGRAMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L69 **HHW SATELLITE REDLANDS** **CERS HAZ WASTE** **S110372757**
NW **500 KANSAS ST** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.164 mi.
866 ft. **Site 2 of 5 in cluster L**

Relative:
Lower

Actual:
1254 ft.

CERS HAZ WASTE:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Hazardous Waste Generator

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Household Hazardous Waste Collection

San Bern. Co. Permit:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008370
Permit Category: LARGE QUANTITY GENERATOR

HHW SATELLITE REDLANDS (Continued) **S110372757**

Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0013882
Permit Category: PBR - HHW ANNUAL FEE
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008369
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0016788
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: INACTIVE
Expiration Date: 12/31/2005

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008372
Permit Category: PBR ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 12/31/2003

CERS:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection

HHW SATELLITE REDLANDS (Continued) **S110372757**

Eval Date:	11-23-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE HANDLER INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE PBR INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HHW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-23-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE GENERATOR INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-23-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE PBR HHW INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HHW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE GENERATOR INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE HANDLER INSPECTION-HHW REDLANDS
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	122447
Facility Name:	HHW SATELLITE REDLANDS
Env Int Type Code:	HWG

HHW SATELLITE REDLANDS (Continued) **S110372757**

Program ID: 10037857
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.059367
Longitude: -117.204376

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JOSE RODRIGUEZ
Entity Title: Not reported
Affiliation Address: 2824 E "W" ST
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0799
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jose Rodriguez
Entity Title: Assistant Fire Marshal
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Michael VanGese
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2824 EAST "W" ST
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415
Affiliation Phone: ,

HHW SATELLITE REDLANDS (Continued) **S110372757**

Affiliation Type Desc:	Legal Owner
Entity Name:	HOUSEHOLD HAZARDOUS WASTE
Entity Title:	Not reported
Affiliation Address:	2824 E "W" ST, STE 302
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92415-0799
Affiliation Phone:	(909) 382-5401,

Affiliation Type Desc:	Operator
Entity Name:	JOSE RODRIGUEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 382-5401,

Affiliation Type Desc:	Parent Corporation
Entity Name:	San Bernardino County Fire Department - HHW
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

L70 **SAN BERNARDINO COUNTY D E H S** **RCRA NonGen / NLR** **1024784168**
NW **500 KANSAS AVENUE** **CAH111000039**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
866 ft. **Site 3 of 5 in cluster L**

Relative: **Lower**

Actual: **1254 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	19900516
Handler Name:	SAN BERNARDINO COUNTY D E H S
Handler Address:	500 KANSAS AVENUE
Handler City,State,Zip:	REDLANDS, CA 92373-0000
EPA ID:	CAH111000039
Contact Name:	-- JACKSON/PROGRAM MANAGER
Contact Address:	--
Contact City,State,Zip:	--
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported

SAN BERNARDINO COUNTY D E H S (Continued) **1024784168**

State District:	Not reported
Mailing Address:	385 N ARROWHEAD AVENUE
Mailing City,State,Zip:	SAN BERNARDINO, CA 92415-0000
Owner Name:	SAN BERNARDINO COUNTY
Owner Type:	Other
Operator Name:	-- JACKSON/PROGRAM MANAGER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

SAN BERNARDINO COUNTY D E H S (Continued) **1024784168**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAN BERNARDINO COUNTY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	--
Owner/Operator City,State,Zip:	--
Owner/Operator Telephone:	000-000-0000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	-- JACKSON/PROGRAM MANAGER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	--
Owner/Operator City,State,Zip:	--
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19900516
Handler Name:	SAN BERNARDINO COUNTY D E H S
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

M71 **CONTINENTAL DATALABEL** **CERS HAZ WASTE** **S113174947**
WSW **211 BUSINESS CENTER CT** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **NPDES**
0.170 mi. **CERS**
900 ft. **Site 1 of 3 in cluster M** **HWTS**

Relative:
Lower

Actual:
1242 ft.

CERS HAZ WASTE:
Name: CONTINENTAL DATALABEL
Address: 211 BUSINESS CENTER CT
City,State,Zip: REDLANDS, CA 92373
Site ID: 107858
CERS ID: 10038205
CERS Description: Hazardous Waste Generator

HAZNET:
Name: CONTINENTAL DATALABEL
Address: 211 BUSINESS CENTER CT
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923734404
Contact: ANGELICA BAUTISTA
Telephone: 9093073627
Mailing Name: Not reported
Mailing Address: 211 BUSINESS CENTER CT

Year: 2019
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.25500

Year: 2019
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06800

Year: 2019
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.46200

Year: 2019
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.38600

Year: 2018
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent

CONTINENTAL DATALABEL (Continued) **S113174947**

Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.02750

Year: 2018
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.49300

Year: 2018
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.03750

Year: 2018
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.03350

Year: 2018
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.97400

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0472

Click this hyperlink while viewing on your computer to access
38 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2010
Gen EPA ID: CAR000072652

Shipment Date: 20100913
Creation Date: 10/8/2012 8:32:02
Receipt Date: 20100917
Manifest ID: 005273711JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100913
Creation Date:	10/8/2012 8:32:02
Receipt Date:	20100917
Manifest ID:	005273711JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.35445
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAR000072652

Shipment Date:	20050929
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20051003
Manifest ID:	24701614
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050929
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20051003
Manifest ID:	24701615
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050518
Creation Date:	8/17/2005 18:32:59
Receipt Date:	20050526
Manifest ID:	24190402
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAR000072652

Shipment Date: 20171218
Creation Date: 10/16/2018 18:30:53
Receipt Date: 20171220
Manifest ID: 009282387JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.462
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171218
Creation Date: 10/16/2018 18:30:53
Receipt Date: 20171220
Manifest ID: 009282386JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.085
Waste Quantity: 25
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171024
Creation Date: 7/20/2018 18:30:15

CONTINENTAL DATALABEL (Continued) **S113174947**

Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	6/13/2018 18:30:34
Receipt Date:	20171031
Manifest ID:	016596662JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO\\KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

CONTINENTAL DATALABEL (Continued) **S113174947**

Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	10/8/2018 18:30:25
Receipt Date:	20171031
Manifest ID:	016596661JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170906
Manifest ID:	009282291JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20170905
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170906
Manifest ID:	009282290JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000072652

Shipment Date:	20041207
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041215
Manifest ID:	22751340
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041207
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041215
Manifest ID:	22751340
Trans EPA ID:	CAD981429673

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041207
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041214
Manifest ID:	23844985
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040219
Creation Date:	8/23/2004 8:25:08
Receipt Date:	20040225
Manifest ID:	22751339
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

CONTINENTAL DATALABEL (Continued) **S113174947**

Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040219
Creation Date:	9/10/2004 9:51:11
Receipt Date:	20040219
Manifest ID:	22751338
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAR000072652
Shipment Date:	20000926
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20001006
Manifest ID:	99633852
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000926
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	99633779
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.306
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000926
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	99633779
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000524
Creation Date:	8/1/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118793

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000524
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118796
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.414
Waste Quantity:	115
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000524
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118796
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

CONTINENTAL DATALABEL (Continued) **S113174947**

RCRA Code:	D005
Meth Code:	R01 - Recycler
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAR000072652
Shipment Date:	20070822
Creation Date:	2/5/2008 18:30:19
Receipt Date:	20070827
Manifest ID:	000525623JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070718
Creation Date:	3/4/2008 18:30:28
Receipt Date:	20070723
Manifest ID:	000525362JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070613
Creation Date:	1/8/2008 18:31:19
Receipt Date:	20070618
Manifest ID:	000521950JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAR000072652
Shipment Date:	20061108
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061113
Manifest ID:	000528232JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20061108
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061113
Manifest ID:	000528232JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060426
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060501
Manifest ID:	24847117
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060426
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060501
Manifest ID:	24847119
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000072652
Shipment Date:	20020718
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020724
Manifest ID:	21551880
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020718
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020724
Manifest ID:	21551880
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D005

CONTINENTAL DATALABEL (Continued) **S113174947**

Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020301
Manifest ID:	21551636
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020225
Manifest ID:	20990652
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020301
Manifest ID:	21551636
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAR000072652

Shipment Date:	20031023
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031023
Manifest ID:	22751227
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.323
Waste Quantity:	95
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031023
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031031
Manifest ID:	22751223
Trans EPA ID:	CAD981429673

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	CAR000038646
Trans 2 Name:	HAZ MAT SERVICES INC
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030520
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030520
Manifest ID:	22020994
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030109
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030117
Manifest ID:	22020875
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001

CONTINENTAL DATALABEL (Continued) **S113174947**

Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030109
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030117
Manifest ID:	22020875
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030109
Creation Date:	5/21/2003 18:32:18
Receipt Date:	20030120
Manifest ID:	21551879
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20030109
Creation Date:	5/6/2003 18:31:20
Receipt Date:	20030118
Manifest ID:	21551877
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000072652

Shipment Date:	20141125
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20141203
Manifest ID:	005273187JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141125
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20141203
Manifest ID:	005273187JJK
Trans EPA ID:	CAD982433575

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.126
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140602
Creation Date: 11/11/2014 22:15:05
Receipt Date: 20140604
Manifest ID: 005273074JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 1.386
Waste Quantity: 330
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2013
Gen EPA ID: CAR000072652

Shipment Date: 20130422
Creation Date: 9/28/2013 22:15:06
Receipt Date: 20130424
Manifest ID: 009286128JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES

CONTINENTAL DATALABEL (Continued) **S113174947**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.924
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAR000072652

Shipment Date: 20150819
Creation Date: 1/21/2016 22:15:23
Receipt Date: 20150902
Manifest ID: 007489793FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDF EPA ID: NED981723513
Trans Name: CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150622
Creation Date: 1/25/2016 22:15:12
Receipt Date: 20150623
Manifest ID: 005273388JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site

CONTINENTAL DATALABEL (Continued) **S113174947**

Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAR000072652
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20990635
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.204
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20990635
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20990635
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010523
Creation Date:	8/14/2001 0:00:00
Receipt Date:	20010602
Manifest ID:	99633817
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20990436
Trans EPA ID:	CAD981429673

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20990436
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010129
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010208
Manifest ID:	99633637
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010129
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010208
Manifest ID:	99633637
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000072652
Shipment Date:	20150819
Creation Date:	1/21/2016 22:15:23
Receipt Date:	20150902
Manifest ID:	007489793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	TXR000081205
Trans 2 Name:	SAFETY KLEEN SYSTEMS INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150622
Creation Date:	1/25/2016 22:15:12
Receipt Date:	20150623
Manifest ID:	005273388JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000072652
Shipment Date:	20090819
Creation Date:	3/5/2010 18:30:52
Receipt Date:	20090826
Manifest ID:	005275169JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2008
Gen EPA ID:	CAR000072652
Shipment Date:	20080507
Creation Date:	10/13/2008 18:30:25
Receipt Date:	20080508
Manifest ID:	000527205JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000072652
Shipment Date:	20120529
Creation Date:	6/5/2013 22:15:06
Receipt Date:	20120530
Manifest ID:	009284726JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20120529
Creation Date:	6/5/2013 22:15:06
Receipt Date:	20120530
Manifest ID:	009284726JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER COURT
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36IN605981
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	10/28/2021
Operator Name:	Continental Datalabel
Operator Address:	211 Business Center Court
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT

CONTINENTAL DATALABEL (Continued) **S113174947**

City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	10/05/2016
Operator Name:	Continental Datalabel
Operator Address:	211 Business Center Ct
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER COURT
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	534606
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36NEC009120
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/22/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	211 Business Center Court
Discharge Name:	Continental Datalabel
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92373
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER COURT
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC009120
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/22/2021
Operator Name:	Continental Datalabel
Operator Address:	211 Business Center Court
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373

CERS:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER COURT
City,State,Zip:	REDLANDS, CA 92373
Site ID:	580768
CERS ID:	892752
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Continental Datalabel
Entity Title:	Operator
Affiliation Address:	211 Business Center Court
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
City,State,Zip:	REDLANDS, CA 92373
Site ID:	107858
CERS ID:	10038205
CERS Description:	Chemical Storage Facilities

CONTINENTAL DATALABEL (Continued) **S113174947**

Violations:

Site ID:	107858
Site Name:	CONTINENTAL DATALABEL
Violation Date:	01-15-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 05/31/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	107858
Site Name:	CONTINENTAL DATALABEL
Violation Date:	10-31-2018
Citation:	HSC 6.5 25144.6(b) - California Health and Safety Code, Chapter 6.5, Section(s) 25144.6(b)
Violation Description:	Failure to properly manage reusable soiled textile materials prior to being sent for laundering.
Violation Notes:	Returned to compliance on 02/15/2019. OBSERVATION: Reusable soiled textiles being managed on site were observed disposed of in the trash. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you are properly managing reusable soiled textiles in accordance with HSC 25144.6(b).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	107858
Site Name:	CONTINENTAL DATALABEL
Violation Date:	01-15-2016
Citation:	HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.9
Violation Description:	Failure to meet the following requirements of excluded recyclable materials: 1) Used or reused as an ingredient in an industrial process to make a product if the material is not being reclaimed, 2) Used or reused as a safe and effective substitute for commercial products if the material is not being reclaimed, 3) Returned to the original process from which the material was generated, without first being reclaimed, if the material is returned as a substitute for raw material feedstock, and the process uses raw materials as principal feedstocks, 4) The material is recycled and used at the same facility at which the material was generated, or by the same corporate entity, 5) The material is recycled within the applicable generator accumulation time, 6) The material is managed in accordance with all applicable requirements for generators of hazardous wastes, 7) If the material is held in a container or tank, the container or tank is labeled, marked, and placarded in accordance with the department's hazardous waste labeling, marking, and placarding requirements which are applicable to generators, except that the container or tank shall be labeled or marked clearly with the words "Excluded Recyclable Material" instead of the words "Hazardous Waste," 8) If the material is used oil, the containers, aboveground tanks, and fill pipes used to transfer oil into underground storage tanks shall also be labeled and clearly marked with the words "Used Oil", 9) The owner or operator of the business location where the material is located has a business

CONTINENTAL DATALABEL (Continued) **S113174947**

plan that meets the following minimal requirements: emergency response plans and procedures, which specifically address the material or that meets the emergency response and contingency requirements which are applicable to generators of hazardous waste, and 10) The material shall be stored and handled in accordance with all local ordinances and codes.
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 10-31-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/15/2019. OBSERVATION: Observed (2) 55-gallon drums of waste ink] located in the hazard waste storage area was observed without the following information on the label: Hazardous Properties CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 01-15-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 10-31-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/15/2019. OBSERVATION: Observed (4) 55 gallon drums of imaging oil and (2) 55 gallon drums of ink extender that was not previously disclosed on the business plan. CORRECTIVE

CONTINENTAL DATALABEL (Continued) **S113174947**

ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 01-15-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

CONTINENTAL DATALABEL (Continued) **S113174947**

Eval Source: CERS,

Enforcement Action:
Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Site Address: 211 BUSINESS CENTER CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 01-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Site Address: 211 BUSINESS CENTER CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 01-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 107858
Facility Name: CONTINENTAL DATALABEL
Env Int Type Code: HWG
Program ID: 10038205
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.054516
Longitude: -117.206047

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Angelica Bautista
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 211 BUSINESS CENTER CT
Affiliation City: REDLANDS
Affiliation State: CA

CONTINENTAL DATALABEL (Continued) **S113174947**

Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Angelica Bautista
Entity Title: Safety & Quality Control
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CONTINENTAL DATALABEL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 793-1400,

Affiliation Type Desc: Parent Corporation
Entity Name: CONTINENTAL DATALABEL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: ANGELICA BAUTISTA
Entity Title: Not reported
Affiliation Address: 211 Business Center Court
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Tim Flynn
Entity Title: Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Affiliation Address:	1855 FOX LANE
Affiliation City:	ELGIN
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60123
Affiliation Phone:	(847) 717-1111,
Affiliation Type Desc:	Property Owner
Entity Name:	Tim Flynn
Entity Title:	Not reported
Affiliation Address:	1855 Fox Lane
Affiliation City:	Elgin
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60123
Affiliation Phone:	(847) 717-1111,

HWTS:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923734404
EPA ID:	CAR000072652
Inactive Date:	Not reported
Create Date:	04/03/2001
Last Act Date:	08/25/2020
Mailing Name:	Not reported
Mailing Address:	211 BUSINESS CENTER CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923734404
Owner Name:	CONTINENTAL DATALABEL
Owner Address:	211 BUSINESS CENTER CT
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923734404
Contact Name:	ANGELICA BAUTISTA
Contact Address:	211 BUSINESS CENTER COURT
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAR000072652
Create Date:	2010-11-22 13:00:50.000
NAICS Code:	323114
NAICS Description:	Quick Printing
Issued EPA ID Date:	2001-04-03 00:00:00
Inactive Date:	Not reported
Facility Name:	CONTINENTAL DATALABEL
Facility Address:	211 BUSINESS CENTER CT
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923734404

M72 **CONTINENTAL DATALABEL** **San Bern. Co. Permit** **S104765512**
WSW **211 BUSINESS CENTER CT** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.170 mi.
900 ft. **Site 2 of 3 in cluster M**

Relative: San Bern. Co. Permit:
Lower
Actual: Name: CONTINENTAL DATALABEL
1242 ft. Address: 211 BUSINESS CENTER CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002487
Owner: CONTINENTAL DATALABEL
Permit Number: PT0000271
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2022

Name: CONTINENTAL DATALABEL
Address: 211 BUSINESS CENTER CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002487
Owner: CONTINENTAL DATALABEL
Permit Number: PT0000272
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2022

M73 **CONTINENTIAL DATALABEL** **RCRA-SQG** **1004675416**
WSW **211 BUSINESS CTR CT** **FINDS** **CAR000072652**
1/8-1/4 **REDLANDS, CA 92373**
0.170 mi.
900 ft. **Site 3 of 3 in cluster M**

Relative: RCRA-SQG:
Lower

Date Form Received by Agency:		20000509
Handler Name:	CONTINENTIAL DATALABEL	
Handler Address:		211 BUSINESS CTR CT
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAR000072652
Contact Name:		MICHAEL SCOTT
Contact Address:		211 BUSINESS CTR CT
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-793-6203
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		211 BUSINESS CTR CT
Mailing City,State,Zip:		REDLANDS, CA 92373
Owner Name:		CONTINENTAL DATALABEL

CONTINENTIAL DATALABEL (Continued) **1004675416**

Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

CONTINENTIAL DATALABEL (Continued) **1004675416**

Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D005
Waste Description: BARIUM

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONTINENTAL DATALABEL
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1855 FOX LN
Owner/Operator City,State,Zip: ELGIN, IL 60123
Owner/Operator Telephone: 847-742-1600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000509
Handler Name: CONTINENTIAL DATALABEL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002936690

CONTINENTIAL DATALABEL (Continued) **1004675416**

Click Here:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
OSHA ESTABLISHMENT
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L74 **JOE CORNETT** **RCRA NonGen / NLR** **1026048592**
NW **517 KANSAS ST.** **CAC003055257**
1/8-1/4 **REDLANDS, CA 92373**
0.176 mi.
927 ft. **Site 4 of 5 in cluster L**

Relative: **Lower**

Actual: **1254 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20200211
Handler Name:	JOE CORNETT	
Handler Address:		517 KANSAS ST.
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAC003055257
Contact Name:		JOE CORNETT
Contact Address:		517 KANSAS ST.
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		732-672-2472
Contact Fax:		Not reported
Contact Email:		JCORNETT@DANELLA.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2290 BUTLER PIKE
Mailing City,State,Zip:		PLYMOUTH MEETING, PA 19462
Owner Name:		JAMES DANELLA

JOE CORNETT (Continued) **1026048592**

Owner Type:	Other
Operator Name:	JOE CORNETT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

JOE CORNETT (Continued) **1026048592**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAMES DANELLA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2290 BUTLER PIKE
Owner/Operator City,State,Zip:	PLYMOUTH MEETING, PA 19462
Owner/Operator Telephone:	610-828-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOE CORNETT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	517 KANSAS ST.
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	732-672-2472
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200211
Handler Name: JOE CORNETT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	423140
NAICS Description:	MOTOR VEHICLE PARTS (USED) MERCHANT WHOLESALERS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

75
NW
1/8-1/4
0.176 mi.
930 ft.

NOVA COACH
1445 PARK AVE
REDLANDS, CA 92373

San Bern. Co. Permit **S108419387**
N/A

Relative:
Lower

Actual:
1249 ft.

San Bern. Co. Permit:

Name:	NOVA COACH
Address:	1445 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010837
Owner:	MICHEL, LIONEL
Permit Number:	PT0018620
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	02/28/2009

L76
NW
1/8-1/4
0.180 mi.
952 ft.

PAR ELECTRICAL CONTRACTORS, INC.
525 KANSAS ST.
REDLANDS, CA 92373

RCRA NonGen / NLR **1026814048**
CAC003126649

Site 5 of 5 in cluster L

Relative:
Lower

Actual:
1254 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20210625
Handler Name:	PAR ELECTRICAL CONTRACTORS, INC.
Handler Address:	525 KANSAS ST.
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAC003126649
Contact Name:	DAVID JOHNSON
Contact Address:	525 KANSAS ST.
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-854-2880
Contact Fax:	Not reported
Contact Email:	JTEJEDA@PATRIOTENVIRONMENTAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4770 BELLEVIEW AVE.
Mailing City,State,Zip:	KANSAS CITY, MO 64112
Owner Name:	PAR ELECTRICAL CONTRACTORS, INC.
Owner Type:	Other
Operator Name:	DAVID JOHNSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

PAR ELECTRICAL CONTRACTORS, INC. (Continued) **1026814048**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210630
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAVID JOHNSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	525 KANSAS ST.
Owner/Operator City,State,Zip:	REDLANDS, CA 92373

PAR ELECTRICAL CONTRACTORS, INC. (Continued) **1026814048**

Owner/Operator Telephone:	909-854-2880
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PAR ELECTRICAL CONTRACTORS, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	525 KANSAS ST.
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-854-2880
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210625
Handler Name:	PAR ELECTRICAL CONTRACTORS, INC.
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221115
NAICS Description:	WIND ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

N77 **BRONCS TOWING INC.** **HAZNET** **S110169008**
NE **1083 W PARK AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **HWTS**
0.192 mi.
1012 ft. **Site 1 of 6 in cluster N**

Relative: **Higher**
Actual: **1283 ft.**

HAZNET:

Name:	BRONCS TOWING INC.
Address:	1083 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
Contact:	ASHLEY GIBSON
Telephone:	9093070944
Mailing Name:	Not reported

BRONCS TOWING INC. (Continued) **S110169008**

Mailing Address: 380 KANSAS ST

Year: 2018
Gepaid: CAL000250927
TSD EPA ID: AZR000003681
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.10000

Year: 2017
Gepaid: CAL000250927
TSD EPA ID: AZR000003681
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1

Year: 2016
Gepaid: CAL000250927
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.165

Additional Info:
Year: 2017
Gen EPA ID: CAL000250927

Shipment Date: 20170324
Creation Date: 5/11/2018 18:34:02
Receipt Date: 20170406
Manifest ID: 005887715SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBOR'S ENVIRONMENTAL SERVICE INC
TSDF EPA ID: AZR000003681
Trans Name: THERMO FLUIDS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

BRONCS TOWING INC. (Continued) **S110169008**

San Bern. Co. Permit:
Name: BRONCS TOWING
Address: 1083 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0013065
Owner: BRONCS TOWING
Permit Number: PT0022965
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: INACTIVE
Expiration Date: 03/31/2020

Name: BRONCS TOWING
Address: 1083 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0013065
Owner: BRONCS TOWING
Permit Number: PT0022964
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 03/31/2020

HWTS:
Name: BRONCS TOWING INC.
Address: 1083 W PARK AVE
Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000250927
Inactive Date: 06/30/2020
Create Date: 04/26/2002
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 380 KANSAS ST
Mailing Address 2: Not reported
Mailing City,State,Zip: REDLANDS, CA 92373
Owner Name: BRONCS TOWING INC
Owner Address: 380 KANSAS ST
Owner Address 2: Not reported
Owner City,State,Zip: REDLANDS, CA 92373
Contact Name: ASHLEY GIBSON
Contact Address: 380 KANSAS ST
Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373

NAICS:
EPA ID: CAL000250927
Create Date: 2003-06-03 08:10:37.093
NAICS Code: 811191
NAICS Description: Automotive Oil Change and Lubrication Shops
Issued EPA ID Date: 2002-04-26 10:04:41.64000
Inactive Date: 2020-06-30 00:00:00
Facility Name: BRONCS TOWING INC.
Facility Address: 1083 W PARK AVE
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: Not reported

BRONCS TOWING INC. (Continued) **S110169008**

Facility State:	CA
Facility Zip:	92373
EPA ID:	CAL000250927
Create Date:	2002-04-26 10:04:41.687
NAICS Code:	811198
NAICS Description:	All Other Automotive Repair and Maintenance
Issued EPA ID Date:	2002-04-26 10:04:41.64000
Inactive Date:	2020-06-30 00:00:00
Facility Name:	BRONCS TOWING INC.
Facility Address:	1083 W PARK AVE
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

N78 **BRONCS TOWING INC.** **RCRA NonGen / NLR** **1024803082**
NE **1083 W PARK AVE** **CAL000250927**
1/8-1/4 **REDLANDS, CA 92373**
0.192 mi.
1012 ft. **Site 2 of 6 in cluster N**

Relative: **Higher**
Actual: **1283 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20020426
Handler Name:	BRONCS TOWING INC.	
Handler Address:		1083 W PARK AVE
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAL000250927
Contact Name:		ASHLEY GAY
Contact Address:		1083 W PARK AVE
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-307-0944
Contact Fax:		909-307-5948
Contact Email:		BRONCS.TOWING@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1083 W PARK AVE
Mailing City,State,Zip:		REDLANDS, CA 92373-0000
Owner Name:		BRONCS TOWING INC
Owner Type:		Other
Operator Name:		ASHLEY GAY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

BRONCS TOWING INC. (Continued) **1024803082**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ASHLEY GAY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

BRONCS TOWING INC. (Continued) **1024803082**

Owner/Operator Address: 1083 W PARK AVE
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-307-0944
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BRONCS TOWING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1083 W PARK AVE
Owner/Operator City,State,Zip: REDLANDS, CA 92373-0000
Owner/Operator Telephone: 909-307-0944
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20020426
Handler Name: BRONCS TOWING INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811191
NAICS Description: AUTOMOTIVE OIL CHANGE AND LUBRICATION SHOPS

NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K79 **THE SMART SHOP/ GL MACHINE** **RCRA NonGen / NLR** **1024810665**
WNW **451 MISSOURI CT** **CAL000291002**
1/8-1/4 **REDLANDS, CA 92373**
0.197 mi.
1038 ft. **Site 3 of 4 in cluster K**

Relative: **Lower**

Actual: **1241 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20050209
Handler Name:	THE SMART SHOP/ GL MACHINE
Handler Address:	451 MISSOURI CT
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000291002
Contact Name:	JACK BEYRONNEAU
Contact Address:	451 MISSOURI CT.
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-838-2282
Contact Fax:	909-307-6240
Contact Email:	SMARTSHOPFAB@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	451 MISSOURI CT
Mailing City,State,Zip:	REDLANDS, CA 92373-0000
Owner Name:	JACK BEYRONNEAU
Owner Type:	Other
Operator Name:	JACK BEYRONNEAU
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

THE SMART SHOP/ GL MACHINE (Continued) **1024810665**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACK BEYRONNEAU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	451 MISSOURI CT
Owner/Operator City,State,Zip:	REDLANDS, CA 92373-0000
Owner/Operator Telephone:	909-838-2282
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JACK BEYRONNEAU
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	451 MISSOURI CT.
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-838-2282
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

THE SMART SHOP/ GL MACHINE (Continued) **1024810665**

Historic Generators:
Receive Date: 20050209
Handler Name: THE SMART SHOP/ GL MACHINE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K80 **THE SMART SHOP INC/GL MACHINE** **CERS HAZ WASTE** **S106803311**
WNW **451 MISSOURI CT** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.197 mi. **HWTS**
1038 ft. **Site 4 of 4 in cluster K**

Relative: **Lower**

Actual: **1241 ft.**

CERS HAZ WASTE:
Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Site ID: 75308
CERS ID: 10050004
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009500
Owner: BEYRONNEAU, JACK
Permit Number: PT0016220
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 02/28/2022

Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Facility ID: FA0009500
Owner: BEYRONNEAU, JACK
Permit Number: PT0016221
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 02/28/2022

Name: G.L. MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009499
Owner: LANE, GARY A.
Permit Number: PT0016218
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 02/28/2015

Name: G.L. MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009499
Owner: LANE, GARY A.
Permit Number: PT0016219
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: INACTIVE
Expiration Date: 02/28/2015

CERS:
Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Site ID: 75308
CERS ID: 10050004
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 75308
Site Name: THE SMART SHOP INC/GL MACHINE
Violation Date: 11-05-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 12/01/2014. A business plan has not been submitted using the CERS system.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: routine inspection the smart shop

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: the smart shop inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 75308
Site Name: THE SMART SHOP INC/GL MACHINE
Site Address: 451 MISSOURI CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-05-2014
Enf Action Type: Notice of Violation (Unified Program)

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 75308
Facility Name: THE SMART SHOP INC/GL MACHINE
Env Int Type Code: HWG
Program ID: 10050004
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.058315
Longitude: -117.207405

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JACK BEYRONNEAU
Entity Title: Not reported
Affiliation Address: 451 MISSOURI CT
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: THE SMART SHOP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 451 MISSOURI CT
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: THE SMART SHOP INC/GL MACHINE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 838-2282,

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Legal Owner
Entity Name:	BEYRONNEAU, JACK
Entity Title:	Not reported
Affiliation Address:	12398 CAMBRIA DRIVE
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 838-2282,

Affiliation Type Desc:	Property Owner
Entity Name:	GJG & Associates LLC
Entity Title:	Not reported
Affiliation Address:	1551 W. Park Ave.
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(951) 640-0750,

HWTS:

Name:	G.L. MACHINE
Address:	451 MISSOURI CT
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAL000291577
Inactive Date:	06/30/2015
Create Date:	02/25/2005
Last Act Date:	01/27/2016
Mailing Name:	Not reported
Mailing Address:	451 MISSOURI CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738083
Owner Name:	GARY LANE
Owner Address:	12434 WINDSOR DR
Owner Address 2:	Not reported
Owner City,State,Zip:	YUCAIPA, CA 923991907
Contact Name:	GARY LANE
Contact Address:	451 MISSOURI CT
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738083

NAICS:

EPA ID:	CAL000291577
Create Date:	2010-11-22 13:00:50.000
NAICS Code:	33271

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

NAICS Description:	Machine Shops
Issued EPA ID Date:	2005-02-25 09:50:58.59300
Inactive Date:	2015-06-30 00:00:00
Facility Name:	G.L. MACHINE
Facility Address:	451 MISSOURI CT
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923730000

O81 **TOM BELL COLLISION CENTER** **RCRA-SQG** **1000104649**
NNE **1139 REDLANDS BLVD** **CERS HAZ WASTE** **CAD981616949**
1/8-1/4 **REDLANDS, CA 92373** **FINDS**
0.206 mi. **ECHO**
1088 ft. **Site 1 of 4 in cluster O** **San Bern. Co. Permit**
CERS

Relative:
Higher

Actual:
1279 ft.

RCRA-SQG:

Date Form Received by Agency:	20080807
Handler Name:	TOM BELL COLLISION CENTER
Handler Address:	1139 REDLANDS BLVD
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAD981616949
Contact Name:	HEATHER KLEIN
Contact Address:	800 ALABAMA
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-798-4191
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	800 ALABAMA
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	TOM BELL INC
Owner Type:	Private
Operator Name:	DICK DENBSE CHERVOLET INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

TOM BELL COLLISION CENTER (Continued) **1000104649**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20080819
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DICK DENBSE CHERVOLET INC
Legal Status:	Private
Date Became Current:	20080801
Date Ended Current:	Not reported

TOM BELL COLLISION CENTER (Continued) **1000104649**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOM BELL INC
Legal Status:	Private
Date Became Current:	19960101
Date Ended Current:	Not reported
Owner/Operator Address:	800 ALABAMA
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOM BELL
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: TOM BELL TOYOTA	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TOM BELL COLLISION CENTER (Continued) **1000104649**

Receive Date: 19861204
Handler Name: TOM BELL TOYOTA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080807
Handler Name: TOM BELL COLLISION CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: NEW CAR DEALERS

NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CERS HAZ WASTE:
Name: AMERICAN TIRE DEPOT 68
Address: 1139 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 433536
CERS ID: 10755973
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110002725463

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

TOM BELL COLLISION CENTER (Continued) **1000104649**

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000104649
Registry ID:	110002725463
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002725463
Name:	TOM BELL TOYOTA
Address:	1139 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373

San Bern. Co. Permit:

Name:	AMERICAN TIRE DEPOT 68
Address:	1139 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0017757
Owner:	ATV INC
Permit Number:	PT0038451
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

Name:	AMERICAN TIRE DEPOT 68
Address:	1139 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0017757
Owner:	ATV INC
Permit Number:	PT0038821
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	08/31/2022

Name:	TOYOTA OF REDLANDS
Address:	1139 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006702
Owner:	TOM BELL INC.
Permit Number:	PT0002324
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	12/31/2008

Name:	TOYOTA OF REDLANDS
Address:	1139 W REDLANDS BLVD

TOM BELL COLLISION CENTER (Continued) **1000104649**

City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006702
Owner: TOM BELL INC.
Permit Number: PT0002325
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2008

CERS:
Name: AMERICAN TIRE DEPOT 68
Address: 1139 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 433536
CERS ID: 10755973
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 433536
Site Name: American Tire Depot 68
Violation Date: 09-29-2021
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: OBSERVATION: Motor oil is being under reported in CERS. (4) 120 gallon containers of motor oil was observed onsite. CORRECTIVE ACTION: Update the required business plan information via CERS. Your CERS ID number is 10755973.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 433536
Site Name: American Tire Depot 68
Violation Date: 09-29-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 09/30/2021. OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste offsite for treatment, storage, or disposal within 180 days. (1) 55 gallon drum of used antifreeze showed an accumulation start date of 02/27/2020. CORRECTIVE ACTION: Dispose of hazardous waste that has

TOM BELL COLLISION CENTER (Continued) **1000104649**

been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 433536
Facility Name: American Tire Depot 68
Env Int Type Code: HMBP
Program ID: 10755973
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.060020
Longitude: -117.198810

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: ATV INC

TOM BELL COLLISION CENTER (Continued) **1000104649**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Humbach
Entity Title:	Not reported
Affiliation Address:	4490 AYERS AVE
Affiliation City:	VERNON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90058
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4490 AYERS AVE
Affiliation City:	VERNON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90058
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Ara Tchaghlassian
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ATV INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 977-8565,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

TOM BELL COLLISION CENTER (Continued) **1000104649**

Affiliation Type Desc:	Legal Owner
Entity Name:	ATV INC
Entity Title:	Not reported
Affiliation Address:	4490 AYERS AVE
Affiliation City:	VERNON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90058
Affiliation Phone:	(562) 977-8565,
Affiliation Type Desc:	Document Preparer
Entity Name:	John Beerwert
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

O82 **AMERICAN TIRE DEPOT** **RCRA NonGen / NLR** **1024836016**
NNE **1139 W REDLANDS BLVD** **CAL000378740**
1/8-1/4 **REDLANDS, CA 92373**
0.206 mi.
1088 ft. **Site 2 of 4 in cluster O**

Relative: **Higher**

Actual: **1279 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20121003
Handler Name:	AMERICAN TIRE DEPOT	
Handler Address:		1139 W REDLANDS BLVD
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAL000378740
Contact Name:		JOHN BEERWERT
Contact Address:		14407 ALONDRA BLVD
Contact City,State,Zip:		LA MIRADA, CA 90638
Contact Telephone:		562-977-8565
Contact Fax:		562-217-4160
Contact Email:		JOHNB@ATVTIREINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		14407 ALONDRA BLVD
Mailing City,State,Zip:		LA MIRADA, CA 90638-0000
Owner Name:		ATV INC
Owner Type:		Other
Operator Name:		JOHN BEERWERT
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No

AMERICAN TIRE DEPOT (Continued) **1024836016**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN BEERWERT

AMERICAN TIRE DEPOT (Continued) **1024836016**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	14407 ALONDRA BLVD
Owner/Operator City,State,Zip:	LA MIRADA, CA 90638
Owner/Operator Telephone:	562-977-8565
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ATV INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	14407 ALONDRA BLVD
Owner/Operator City,State,Zip:	LA MIRADA, CA 90638-0000
Owner/Operator Telephone:	562-977-8565
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20121003
Handler Name: AMERICAN TIRE DEPOT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

O83 **TOM BELL COLLISION CENTER** **RCRA NonGen / NLR** **1024843435**
NE **1105 W REDLANDS BLVD** **CAL000394809**
1/8-1/4 **REDLANDS, CA 92373**
0.213 mi.
1126 ft. **Site 3 of 4 in cluster O**

Relative: **Higher**

Actual: **1282 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20140307
Handler Name:	TOM BELL COLLISION CENTER
Handler Address:	1105 W REDLANDS BLVD
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000394809
Contact Name:	CORY LONGFELLOW
Contact Address:	1105 W REDLANDS BLVD
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-557-2130
Contact Fax:	909-557-2137
Contact Email:	LDRYSDALE@TOMBELLCHEVY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	800 ALABAMA ST
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	TOM BELL CHEVROLET
Owner Type:	Other
Operator Name:	CORY LONGFELLOW
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

TOM BELL COLLISION CENTER (Continued) **1024843435**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CORY LONGFELLOW
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1105 W REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-557-2130
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOM BELL CHEVROLET
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 ALABAMA ST
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-2681
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TOM BELL COLLISION CENTER (Continued) **1024843435**

Historic Generators:
- Receive Date: 20140307
- Handler Name: TOM BELL COLLISION CENTER
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 811121
- NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

- NAICS Code: 92119
- NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

O84 **TOM BELL COLLISION CENTER** **CERS HAZ WASTE** **S121019234**
NE **1105 W REDLANDS BLVD** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.213 mi. **CERS**
1126 ft. **Site 4 of 4 in cluster O** **HWTS**

Relative: Higher
Actual: 1282 ft.

CERS HAZ WASTE:
- Name: TOM BELL COLLISION CENTER
- Address: 1105 W REDLANDS BLVD
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 76861
- CERS ID: 10484425
- CERS Description: Hazardous Waste Generator

HAZNET:
- Name: TOM BELL COLLISION CENTER
- Address: 1105 W REDLANDS BLVD
- Address 2: Not reported
- City,State,Zip: REDLANDS, CA 92373
- Contact: JUNIOR BEAURONE
- Telephone: 9095572130
- Mailing Name: Not reported
- Mailing Address: 800 ALABAMA ST

- Year: 2019
- Gepaid: CAL000394809
- TSD EPA ID: AZD081705402

TOM BELL COLLISION CENTER (Continued) **S121019234**

CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.28050

Year: 2016
Gepaid: CAL000394809
TSD EPA ID: AZR000501510
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2919

Year: 2016
Gepaid: CAL000394809
TSD EPA ID: MXC130619001
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H020 - Solvents Recovery
Tons: 0.252

San Bern. Co. Permit:
Name: TOM BELL COLLISION CENTER
Address: 1105 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0012015
Owner: DEWESE CHEVROLET, INC.
Permit Number: PT0021131
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 01/31/2022

Name: TOM BELL COLLISION CENTER
Address: 1105 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0012015
Owner: DEWESE CHEVROLET, INC.
Permit Number: PT0021130
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 01/31/2022

CERS:
Name: TOM BELL COLLISION CENTER
Address: 1105 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 76861
CERS ID: 10484425
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 76861
Site Name: TOM BELL COLLISION CENTER
Violation Date: 03-04-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter

TOM BELL COLLISION CENTER (Continued) **S121019234**

	6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/25/2017. Hazardous waste accumulation time exceeded (CCR 66262.34(a)) If a generator produces more than 2,200 lbs per month of a hazardous waste the accumulation time limit is 90 days. If a generator produces more than 220 lbs but less than 2,200 lbs of hazardous waste per month the accumulation time line is 180 days. If a generator produces less than 220 lbs per month of a hazardous waste, the accumulation clock starts the day they reach 100 kg or 1 kg of extremely hazardous waste and can accumulate for 90 days from that point. Hazardous waste disposal records must be retained for three years from the date the waste was hauled from the accumulation-site. Observed (2) 30 gallon drums of waste coolant, and (1) 500 gallon aboveground storage tank of used oil with an accumulation start date of 08/22/2014. The accumulation time time has been exceeded. Compliance Requirement: Remove waste coolant and used oil within 30 days of this report. SUBMIT copies of the waste records to this [Truncated]
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	03-04-2015
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/07/2015. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID# CAL000394809 is inactive. Form 1358 was provided at the time of inspection. EPA ID active, verified via DTSC hazardous waste tracking system website.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	08-19-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 08/24/2020. Update ownership information to disclose [Dewese Chevrolet, 800 Alabama St., Redlands 92373] in CERS. CORRECTIVE ACTION: Update business owner information, and resubmit it via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	03-04-2015
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any

TOM BELL COLLISION CENTER (Continued) **S121019234**

	one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 07/25/2017. Observed (2) 30 gallon drums of waste coolant to be missing on the must recent inventory.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	03-04-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/25/2017. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31) Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or any release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. Observed waste coolant residues on top of the (2) 30 gallon drums of waste coolant. Corrective Text: Properly clean up the waste coolant from the top of the waste coolant drums, and manage all spent absorbent as a hazardous waste. Submit the Certificate of Compliance (CofC) to this Division within 30 days of receipt of this report.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	03-04-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 03/04/2015. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) All containers and tanks used to store a hazardous waste must be labeled or marked with the words hazardous waste; and include the following information: generator name and address, hazardous properties of the waste, composition and physical state of the waste, and the accumulation start date. Observed (1) 30 gallon drum of waste waterborne cleaning solution with missing hazardous waste label. The violation was corrected at the time of the inspection: operator added a new hazardous waste label with all the required information to the (1) 30 gallon drum of waste waterborne cleaning solution.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	76861
Site Name:	TOM BELL COLLISION CENTER
Violation Date:	08-19-2020
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter

TOM BELL COLLISION CENTER (Continued) **S121019234**

1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 09/08/2020. Operator was unable to adequately demonstrate that weekly inspection of the hazardous waste storage area are conducted. CORRECTIVE ACTION: Sign the Certificate of Compliance indicating that weekly inspection of the hazardous waste storage area will be conducted.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 76861
Site Name: TOM BELL COLLISION CENTER
Violation Date: 08-19-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/19/2020. Observed (1) 30 gallon drum of used lubricating oil and (1) 30 gallon drum of waste antifreeze to not have hazardous waste labeling. Violation corrected on site.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION FOR TOM BELL COLLISION CENTER.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

TOM BELL COLLISION CENTER (Continued) **S121019234**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION FOR TOM BELL COLLISION CENTER.
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 76861
Site Name: TOM BELL COLLISION CENTER
Site Address: 1105 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 76861
Site Name: TOM BELL COLLISION CENTER
Site Address: 1105 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 76861

TOM BELL COLLISION CENTER (Continued) **S121019234**

Facility Name:	TOM BELL COLLISION CENTER
Env Int Type Code:	HWG
Program ID:	10484425
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.059860
Longitude:	-117.198170

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	DEWESE CHEVROLET, INC.
Entity Title:	Not reported
Affiliation Address:	800 Alabama St.
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-2681,

Affiliation Type Desc:	Parent Corporation
Entity Name:	TOM BELL COLLISION CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1105 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Document Preparer
Entity Name:	Andrew Smith, Western EHS Service, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

TOM BELL COLLISION CENTER (Continued) **S121019234**

Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Cory Longfellow
Entity Title: Not reported
Affiliation Address: 1105 W REDLANDS BLVD
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Cory Longfellow
Entity Title: BODY SHOP MGR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: TOM BELL COLLISION CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 557-2130,

HWTS:
Name: TOM BELL COLLISION CENTER
Address: 1105 W REDLANDS BLVD
Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000394809
Inactive Date: Not reported
Create Date: 03/07/2014
Last Act Date: 08/24/2020
Mailing Name: Not reported
Mailing Address: 800 ALABAMA ST
Mailing Address 2: Not reported
Mailing City,State,Zip: REDLANDS, CA 92373
Owner Name: TOM BELL CHEVROLET
Owner Address: 800 ALABAMA ST
Owner Address 2: Not reported
Owner City,State,Zip: REDLANDS, CA 92373
Contact Name: JIM DEVOR
Contact Address: 800 ALABAMA ST
Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373

NAICS:
EPA ID: CAL000394809

TOM BELL COLLISION CENTER (Continued) **S121019234**

Create Date:	2014-03-07 15:23:46.400
NAICS Code:	811121
NAICS Description:	Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date:	2014-03-07 15:23:46.38700
Inactive Date:	Not reported
Facility Name:	TOM BELL COLLISION CENTER
Facility Address:	1105 W REDLANDS BLVD
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

EPA ID:	CAL000394809
Create Date:	2016-05-20 12:57:43.140
NAICS Code:	92119
NAICS Description:	Other General Government Support
Issued EPA ID Date:	2014-03-07 15:23:46.38700
Inactive Date:	Not reported
Facility Name:	TOM BELL COLLISION CENTER
Facility Address:	1105 W REDLANDS BLVD
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

P85 **REDLANDS GAS & FOOD MART** **UST** **U004352743**
NNE **1195 W REDLANDS BLVD** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 1 of 8 in cluster P**

Relative: **Higher**
Actual: **1276 ft.**

UST:

Name:	REDLANDS GAS & FOOD MART
Address:	1195 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	FA0004256
Permitting Agency:	San Bernardino County Fire Department
CERSID:	10041136
Latitude:	34.060387
Longitude:	-117.199753

P86 **KIM'S FOOD MART & GAS STA** **UST** **U004350489**
NNE **1195 W REDLANDS BLVD** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 2 of 8 in cluster P**

Relative: **Higher**
Actual: **1276 ft.**

UST:

Name:	KIM'S FOOD MART & GAS STA
Address:	1195 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	87013023
Permitting Agency:	SAN BERNARDINO COUNTY

KIM'S FOOD MART & GAS STA (Continued) **U004350489**

CERSID: Not reported
Latitude: 34.0616511
Longitude: -117.1984375

P87 **ARGON/TEXACO** **HIST UST** **U001575382**
NNE **1195 W REDLANDS BLVD** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 3 of 8 in cluster P**

Relative:
Higher

Actual:
1276 ft.

HIST UST:
Name: ARGON/TEXACO
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
File Number: 00029950
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029950.pdf
Region: STATE
Facility ID: 00000066015
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CHARLES F. ARGON
Telephone: 7147932995
Owner Name: ARGON OIL COMPANY
Owner Address: P.O. BOX 911
Owner City,St,Zip: REDLANDS, CA 92373
Total Tanks: 0006

Tank Num: 001
Container Num: #1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /4 2
Leak Detection: Stock Inventor

Tank Num: 001
Container Num: #1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /4 2
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1971
Tank Capacity: 00010000

ARGON/TEXACO (Continued) **U001575382**

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /4 2
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: WASTE
Type of Fuel: 1
Container Construction Thickness: /4 2
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4

ARGON/TEXACO (Continued) **U001575382**

Leak Detection: Stock Inventor

Tank Num: 006
Container Num: #6
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: #6
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

P88 **REDLANDS GAS & FOOD MART** **CERS HAZ WASTE** **S103625066**
NNE **1195 W REDLANDS BLVD** **CERS TANKS** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.220 mi. **CERS**
1162 ft. **Site 4 of 8 in cluster P** **HWTS**

Relative: Higher
Actual: 1276 ft.

CERS HAZ WASTE:
Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 60997
CERS ID: 10041136
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 60997
CERS ID: 10041136
CERS Description: Underground Storage Tank

San Bern. Co. Permit:
Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004256
Owner: DAYA SINGH
Permit Number: PT0003236
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: REDLANDS GAS & FOOD MART

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004256
Owner: DAYA SINGH
Permit Number: PT0029007
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004256
Owner: DAYA SINGH
Permit Number: PT0011231
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004256
Owner: DAYA SINGH
Permit Number: PT0011232
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004256
Owner: DAYA SINGH
Permit Number: PT0011233
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 09/30/2022

CERS:
Name: REDLANDS GAS & FOOD MART
Address: 1195 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Site ID: 60997
CERS ID: 10041136
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-16-2014
Citation: HSC 6.7 25290.1(h), 25290.2(g), 25291(f), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(h), 25290.2(g),

REDLANDS GAS & FOOD MART (Continued) **S103625066**

	25291(f), 25292(e)
Violation Description:	Failure to install line leak detector.
Violation Notes:	Returned to compliance on 10/16/2014. 91 MECHANICAL LINE LEAK DETECTOR FAILED SIMULATED 3 GALLON PER HOUR LEAK RATE AT 10 PSI TEST. LEAK DETECTOR (LD2000) WAS ADJUSTED BY UST TECHNICIAN AND FAILED WHEN RETESTED. THE SIPHON JET VALVE WAS REPLACED BY THE UST TECHNICIAN AND PREVIOUSLY FAILED LEAK DETECTOR PASSED UPON RETEST.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: FACILITY FAILED TO CONDUCT ANNUAL UST SYSTEM MONITORING CERTIFICATION. COMPLIANCE REQUIREMENT: CONTACT THIS DIVISION TO SCHEDULE AN INSPECTION TO WITNESS ANNUAL UST MONITORING CERTIFICATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-18-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 10/21/2020. OBSERVATION: The Certification of Financial Responsibility (CFR) on site was current but not uploaded into the CERS. CORRECTIVE ACTION: Upload the current CFR to the CERS within thirty (30) days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/30/2017. OBSERVATION: SUBMITTED FACILITY SITE MAP IN CERS WAS LACKING LOCATION OF HAZARDOUS WASTE STORAGE AREA. COMPLIANCE REQUIREMENT: UPDATE FACILITY IN CERS TO INCLUDE ALL REQUIRED CONTENTS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-07-2020
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/19/2020. HAZARDOUS MATERIALS INVENTORY IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FAILED TO INCLUDE TWO 55 GALLON CONTAINERS USED TO ACCUMULATE UST WASTE RELATED SOLIDS AND LIQUIDS. IMMEDIATELY UPDATE HAZARDOUS WASTE INVENTORY IN CERS TO INCLUDE THE PREVIOUSLY MENTIONED WASTE CONTAINERS AND SUBMIT DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-10-2017
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: OBSERVED PREMIUM UNLEADED FUEL SUMP MONITORING SENSOR WAS ON ITS SIDE. CORRECTED. REPOSITIONED FOR EARLIEST LEAK DETECTION. COMPLIANCE REQUIREMENT: ENSURE THAT ALL MONITORING EQUIPMENT IS INSTALLED AND MAINTAINED FOR EARLIEST LEAK DETECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	11-07-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 11/07/2018. OBSERVATION: LIQUID WAS OBSERVED IN THE DIESEL STP. COMPLIANCE MET ON SITE: TECHNICIAN REMOVED LIQUID FROM SUMP.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-07-2020
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 10/21/2020. UST MONITORING PLAN SUBMITTED ON LINE IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FAILED TO INCLUDE THE PIPING LAYOUT. IMMEDIATELY UPDATE MONITORING PLAN IN CERS

REDLANDS GAS & FOOD MART (Continued) **S103625066**

TO INCLUDE THE PIPING LAYOUT AND SUBMIT DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS. THIS IS NOW A CLASS 2 VIOLATION THAT IS RECALCITRANT NOTED ON THE PREVIOUS INSPECTION REPORT.

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-14-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 10/27/2015. UST TESTING TECHNICIAN DID NOT POSSESS THE REQUIRED CERTIFICATION TO PERFORM THE TEST. THE VMI BOX SERIAL NO. 17880 DID NOT HAVE CURRENT CALIBRATION STICKER. SCHEDULE WITH THIS DEPARTMENT A LINE LEAK DETECTOR TEST WITH A CURRENT CERTIFIED UST TECHNICIAN WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-17-2013
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 10/16/2014. Designated Operator, Adnan Khan, monthly reports are lack detail for January 2013 Alarms. January 17 -L12 fuel alarm, January 30 - L13 set up data warning, January 19, L5 setup data warning. Provide comments to what action was taken to correct alarm. Provide work order and reason for set-up data warning. Removing sensors from programming can be an indication of tampering. Provide documentation as to why these alarms were removed from programming. Annual UST training records not available. Provide documentation of training
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-18-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 10/18/2019. OBSERVATION: The Overfill Prevention Equipment Testing records were not available for on site review. Per A & P Compliance Testing technician Paulo Magana and Designated Operator Reports, the testing was complete on 11-7-2018. The install date for the USTs is 1998 and the system has single wall vent piping. A&P Compliance indicated that the ATGs were tested but the ball floats were not tested. CORRECTIVE ACTION: The Ball Float Valves were tested this date and PASSED. Violation corrected on site.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-07-2020
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 10/19/2020. CHIEF FINANCIAL OFFICER (CFO) LETTER SUBMITTED ON LINE IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) IS NOT CURRENT AND NEEDS TO BE UPDATED. IMMEDIATELY UPDATE CFO LETTER, SUBMIT LETTER ON LINE IN CERS, AND PROVIDE DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS. THIS IS NOW A CLASS 2 VIOLATION THAT IS RECALCITRANT NOTED ON THE PREVIOUS INSPECTION REPORT.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-10-2017

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: OBSERVED LIQUID INSIDE DIESEL TANK STP SUMP. NO ALARM IDENTIFIED. CORRECTED. LIQUID REMOVED AND DISPOSED OF PROPERLY. COMPLIANCE REQUIREMENT: ENSURE UST SYSTEM WILL BE MONITORED ACCORDINGLY AND ALL COMPONENTS FUNCTIONING AS DESIGNED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-16-2014
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/28/2015. CERTIFICATE OF FINANCIAL RESPONSIBILITY SUBMITTED ON LINE IN CERS WAS NOT SIGNED/DATED AND CFO LETTER WAS MISSING SIGNATURE. UPDATE UST CERTIFICATE OF FINANCIAL RESPONSIBILITY AND CFO LETTER ADDRESSING THE PREVIOUSLY NOTED DEFICIENCIES AND SUBMIT ON LINE IN CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-14-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 10/27/2015. CFO LETTER DATED 10/6/2014 AS PART OF THE EVIDENCE OF FINANCIAL RESPONSIBILITY SUBMITTED ON LINE IN CERS NEEDS TO BE UDPATED ANNUALLY. UPDATE CFO LETTER AND SUBMIT ON LINE IN CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-07-2020
Citation:	40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	OBSERVED DAMAGED AND DETERIORATED 55 GALLON DRUM OF UST RELATED WASTE LIQUIDS AND 55 GALLON DRUM OF UST RELATED WASTE SOLID ACCUMULATION CONTAINERS. IMMEDIATELY DISPOSE OF HAZARDOUS WASTES ON SITE BY AN APPROVED HAZARDOUS WASTE HAULER, REPLACE BOTH DAMAGED CONTAINERS, AND SUBMIT DOCUMENTATION OF COMPLIANCE ALONG WITH DISPOSAL RECORD TO THIS DEPARTMENT WITHIN 30 DAYS.

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-03-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 10/29/2016. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) COMPLIANCE ACTIVITY (10/29/2016) INFORMATION UPDATED. OBSERVATION: EMPLOYEE DO TRAINING IS PASTED DUE. LAST DOCUMENTED TRAINING WAS PERFORMED ON 09/09/2015. COMPLIANCE REQUIREMENT: SIGN AND SUBMITTED CERTIFICATED OF COMPLIANCE WHEN EMPLOYEE DO TRAINING IS COMPLETED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-03-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/03/2017. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) OBSERVATION: FACILITY STORES (3) 55-GALLON DRUMS ON SITE FOR INCIDENTAL HAZARDOUS WASTE GENERATED FROM OPERATING FUEL STATION. (1) 55-GALLON DRUM WAS FULL AND HAZARDOUS WASTE LABEL NOT COMPLETE. CORRECTED. COMPLIANCE REQUIREMENT: ENSURE HAZARDOUS WASTE CONTAINERS ARE PROPERLY LABELED.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 12-13-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 11/30/2017. Failure to correct past UST violations within 30 days of receiving a UST inspection report (23CCR 2712(f)) OBSERVATION: FACILITY DID NOT COMPLY WITH VIOLATION DOCUMENTED IN THE 10/03/2016 INSPECTION REPORT. COMPLIANCE REQUIREMENT: COMPLY WITH 10/03/2016 INSPECTION REPORT.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Violation Date: 10-18-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: OBSERVATION: No records of Designated Operator (DO) Training were on site for review. Per Daya Singh, training has not yet been conducted for 2019. CORRECTIVE ACTION: Schedule DO training and provide this Agency with a copy of the training records within thrity (30) days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-17-2013
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 10/17/2013. A bucket was placed over the EVR canister to minimize rainwater. This equipment is not being operated as per manufacturer instruction. Bucket removed today. Correct rain intrustion using manaufacturer approved equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-03-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 11/30/2017. OBSERVATION: SUBMITTED EMERGENCY RESPONSE AND CONTINGENCY PLAN IN CERS WAS MISSING THE CORRECT LOCAL CUPA NUMBER (1.800.33.TOXIC OR 909.386.8425) COMPLIANCE REQUIREMENT: UPDATE AND RESUBMIT EMERGENCY RESPONSE AND CONTINGENCY PLAN IN CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-07-2020
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and

REDLANDS GAS & FOOD MART (Continued) **S103625066**

	maintenance of the UST system by a designated operator (DO).
Violation Notes:	LAST DOCUMENTED UST D.O. TRAINING WAS ON 9/18/2019 AND IS PASSED DUE. IMMEDIATELY PROVIDE FACILITY EMPLOYEE TRAINING BY THE UST D.O. AND SUBMIT COPY OF TRAINING WITH SIGNED DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/17/2017. OBSERVATION: SUBMITTED CERTIFICATE OF FINANCIAL RESPONSIBILITY IN CERS WAS NOT CURRENT. COMPLIANCE REQUIREMENT: SUBMIT A CURRENT AND COMPLETED CERTIFICATE OF FINANCIAL RESPONSIBILITY IN CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 12/17/2017. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) OBSERVATION: SUBMITTED DESIGNATED UST OPERATOR STATEMENT IN CERS WAS NOT CURRENT. COMPLIANCE REQUIREMENT: SUBMIT A CURRENT SIGNED DESIGNATED UST OPERATOR STATEMENT.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-18-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 10/21/2020. OBSERVATION: The monitoring system site plan on site and in the California Environmental Reporting System (CERS) did not include the piping runs. CORRECTIVE ACTION: Update the plot plan with the piping runs and keep on site and upload to the California Environmental REporting System (CERS). Note, this violations was cited in 2018 and has been ELEVATED to CLASS II.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 10/29/2016. COMPLIANCE ACTIVITY (12/13/2016) UST ISSUED 7-DAY NOTICE OBSERVATION: THE CERS SUBMITTED UST INFORMATION NOTED THE VAPOR AND VENT PIPPING HAVE SECONDARY CONTAINMENT PIPPING. DURING THE INSPECTION, BOTH THE VAPOR AND VENT WERE OBSERVED TO BE SINGLE WALL PIPPING. COMPLIANCE REQUIREMENT: UPDATE CERS WITH THE CORRECT INFORMATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/28/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a)) Failure to obtain/maintain an active EPA ID Number. A facility or individual shall not treat, store, dispose of, transport, or offer for transportation a Hazardous Waste unless an EPA ID Number has been obtained. (CCR 66262.12(a)) OBSERVATION: WASTE ID NUMBER WAS NOT OBTAINED OR NOT VALID. COMPLIANCE REQUIREMENT: OBTAIN A PERMANENT EPA ID NUMBER BY SUBMITTING FORM 1358 TO DTSC. SUBMIT A STATEMENT INDICATING THAT A VALID EPA ID NUMBER HAS BEEN OBTAINED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Response Plan available on site.
Violation Notes:	Returned to compliance on 10/29/2016. COMPLIANCE ACTIVITY (12/13/2016) UST ISSUED 7-DAY NOTICE OBSERVATION: THE MONITORING SITE PLAN HAD NOT BEEN SUBMITTED TO CERS. COMPLIANCE REQUIREMENT: SUBMIT SITE PLAN TO THE CERS UST SECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-03-2017
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: FACILITY FAILED TO

REDLANDS GAS & FOOD MART (Continued) **S103625066**

TEST THE OVERSPILL CONTAINMENT. COMPLIANCE REQUIREMENT: CONTACT THIS DIVISION FOR AN INSPECTION TO WITNESS ANNUAL MONITORING CERTIFICATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-10-2017
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to install a line leak detector (LLD).
Violation Notes: Returned to compliance on 10/10/2017. OBSERVATION: PREMIUM UNLEADED MECHANICAL LINE LEAK DETECTOR (VAPORLESS - MLLD) FAILED INITIALLY WHEN TESTED. CORRECTED. MLLD WAS REPLACED (LIKE FOR LIKE), RETESTED, AND PASSED A 3GPH/HR LEAK RATE AT 10PSI. COMPLIANCE REQUIREMENT: MAKE NECESSARY REPAIR TO MECHANICAL LINE LEAK DETECTOR TO ENSURE CAPABILITY OF DETECTING A 3GALLON/HR LEAK RATE AT 10 PSI.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 11-07-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 10/18/2019. OBSERVATION: THE CERS SUBMITTED UST MONITORING SITE PLAN DID NOT NOTE THE LOCATION OF ALL UST PIPING ROUTES. COMPLIANCE REQUIREMENT: UPDATE CERS WITH CORRECT INFORMATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-07-2020
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: THE FOLLOWING DEFICIENCIES WERE NOTED UPON REVIEW OF THE MOST RECENT SUBMITTAL IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS): -TANK INFORMATION REGARDING CONSTRUCTION INDICATES THAT THE TANKS ARE DOUBLE WALLED FIBERGLASS. ALL MODERN WELDING TANKS ARE DOUBLE WALLED STEEL. -VAPOR AND VENT LINES WERE NOTED IN CERS TO BE DOUBLE WALLED FIBERGLASS. THE VENT AND VAPOR LINES ARE ALL SINGLE WALLED FIBERGLASS. -REGULAR AND PREMIUM TANKS ARE NOTED A SINGLE COMPARTMENT. REGULAR AND PREMIUM TANKS IS A SPLIT 2 COMPARTMENT TANK. IMMEDIATELY UPDATE CERS ADDRESSING ALL ABOVE NOTED DEFICIENCIES AND SUBMIT DOCUMENTATION OF COMPLIANCE TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-14-2015
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 10/14/2015. VISUAL ALARM AS PART OF THE OVERFILL PREVENTION SYSTEM WAS INOPERABLE DUE TO A BURNT OUT LIGHT BULB. THE LIGHT WAS REPLACED BY THE UST TECHNICIAN AND WITNESSED OPERABLE AT TIME OF INSPECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-16-2014
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/28/2015. UST TANK FORM AS PART OF THE UST PERMIT APPLICATION SUBMITTED ON LINE IN CERS DOES NOT REFLECT TANKS ON SITE. UST TANK FORM ON LINE IN CERS INDICATES 2-12,000 GALLON REGULAR TANKS AND 1-12,000 GALLON PREMIUM TANK. TANKS OBSERVED ON SITE IS AS FOLLOWS: 1-8,000 GALLON PREMIUM TANK, 1-12,000 GALLON REGULAR TANK, AND 1-8,000 GALLON DIESEL TANK. UPDATE UST TANK FORMS ON LINE IN CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	60997
Site Name:	REDLANDS GAS & FOOD MART
Violation Date:	10-10-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 12/21/2017. OBSERVATION: SUBMITTED UNDERGROUND STORAGE TANK INFORMATION IN CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM WAS ACCURATE, COMPLETE, OR CURRENT. UPDATE THE FOLLOWING: 1. SUBMITTED CERTIFICATE OF FINANCIAL RESPONSIBILITY IN CERS WAS NOT CURRENT. 2. SUBMITTED DESIGNATED UST OPERATOR STATEMENT IN CERS WAS NOT CURRENT. 3. INDICATE UDC CONSTRUCTION MATERIAL FOR EACH TANKS. 4. INDICATE UNDERGROUND STORAGE TANKS (UST) INSTALL DATES. COMPLIANCE REQUIREMENT: UPDATE / RESUBMIT REQUIRED UST ELEMENTS IN

REDLANDS GAS & FOOD MART (Continued) **S103625066**

CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-16-2014
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 05/28/2015. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) UST DESIGNATED OPERATOR STATEMENT/AGREEMENT FORM SUBMITTED ON LINE IN CERS INCOMPLETE MISSING SIGNATURES. COMPLETE UPDATED UST DESIGNATED OPERATOR STATEMENT/AGREEMENT FORM WITH SIGNATURES AND SUBMIT ON LINE IN CERS WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-14-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 10/27/2015. UST TANK FORM AS PART OF THE UST TANK APPLICATION SUBMITTED ON LINE IN CERS FAILS TO INDICATE THE METHOD OF OVERFILL PREVENTION. UPDATE UST TANK FORM ON LINE IN CERS TO INCLUDE MECHANISM OF OVERFILL PREVENTION WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 11-07-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/10/2019. OBSERVATION: THE FOLLOWING CERS SUBMITTED UST INFORMATION MUST BE UPDATED. 1) The 87, 91 & DSL riser pipe secondary containment was noted as NONE. However, the riser was observed to be in a fiberglass sump. Fiberglass must be update, instead of none. 2) The diesel tank system was noted a fiberglass for vapor piping. Vapor piping was not present during the inspection. Check, or enter none for the vapor section for diesel. COMPLIANCE REQUIREMENT: UPDATE CERS WITH CORRECT INFORMATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Violation Date: 10-03-2016
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes: Returned to compliance on 10/03/2016. OBSERVATION: THE LIQUID SENSOR LOCATED IN UDC 7/ 8 FAILED WHEN TESTED. COMPLIANCE MET ON SITE: TECHNICIAN REPLACED AND RE-TESTED REPLACEMENT SENSOR (VR 208)-PASSED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-16-2014
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 10/16/2014. VR208 SENSOR INSIDE UDC#3/4 AND UDC#11/12 FAILED WHEN TESTED. THE SENSORS WERE REPLACED BY UST TECHNICIAN "LIKE FOR LIKE" AND PASSED UPON RETEST. VIOLATION CORRECTED AT TIME OF INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Violation Date: 10-03-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 11/26/2016. COMPLIANCE ACTIVITY (10/29/2016) INFORMATION UPDATED. OBSERVATION: FINANCIAL RESPONSIBILITY DOCUMENTATION MUST BE RE-CERTIFIED AND SUBMITTED TO CERS YEARLY. THE LAST SUBMITTED DOCUMENTATION WAS SIGNED 05/26/2015. COMPLIANCE REQUIREMENT: SUBMIT A CURRENT FINANCIAL RESPONSIBILITY DOCUMENTATION TO CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: REDLANDS GAS & FOOD- UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2016
Violations Found: No

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS GAS & FOOD- UST WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-03-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS INSPECTION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-10-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ONSITE TO WITNESS ANNUAL MONITORING CERTIFICATION.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-14-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS MATERIALS HANDLER INSPECTION - UST ONLY.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	10-17-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	bp reflects inventory
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS GAS & FOOD- UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-07-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HAZARDOUS WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	10-18-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OVERFILL INSPECTION - Ball Floats no tested in 2018. - Tested this date = PASS - ATG and Ball Floats Approved. - SW Vents and 1988 Instillation Date - A&P Compliance Paulo Magana
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-18-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS GAS & FOOD MART - ANNUAL MONITOR CERT
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	SHELL- UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SHELL- UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REDLANDS GAS- UST ISSUED 7-DAY NOTICE
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-13-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: REDLANDS GAS & FOOD- UST LEFT 7-DAY NOTICE
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION WITH MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST ONLY HAZARDOUS MATERIALS INSPECTION CONDUCTED IN CONJUNCTION WITH UST ANNUAL INSPECTION.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: mont cert
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-31-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST FIELD INSPECTION-TRIENNIAL SECONDARY CONTAINMENT TESTING; NO FAILURES WHILE ONSITE
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: RE-INSPECTION TO FOLLOW UP ON VIOLATIONS NOTED ON THE PREVIOUS INSPECTION REPORT DATED 10/14/2015.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Site Address: 1195 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-13-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Site Address: 1195 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 10-17-2013

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Site Address: 1195 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 10-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Site Address: 1195 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 10-03-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 60997
Site Name: REDLANDS GAS & FOOD MART
Site Address: 1195 W REDLANDS BLVD
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 10-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 60997
Facility Name: REDLANDS GAS & FOOD MART
Env Int Type Code: HWG
Program ID: 10041136
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.060383
Longitude: -117.199738

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	1195 W REDLANDS
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1195 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	REDLANDS GAS & FOOD MART
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	1195 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-1735,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	1195 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-1735,
Affiliation Type Desc:	Identification Signer
Entity Name:	Daya Singh
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	1195 REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 862-8327,
Affiliation Type Desc:	Operator
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 798-1735,
Affiliation Type Desc:	Property Owner
Entity Name:	DAYA SINGH
Entity Title:	Not reported
Affiliation Address:	1195 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-1735,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	DAYA SINGH
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 435-9909,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	DAYA SINGH
Entity Title:	Not reported

REDLANDS GAS & FOOD MART (Continued) **S103625066**

Affiliation Address:	1195 W REDLANDS BLVD
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-1735,

HWTS:

Name:	REDLANDS GAS & FOOD MART
Address:	1195 W REDLANDS BLVD
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000432334
Inactive Date:	06/30/2020
Create Date:	11/28/2017
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	1195 W REDLANDS BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	R&R GROUP ENT INC
Owner Address:	1195 W REDLANDS BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 92373
Contact Name:	DAYA SINGH PRESIDENT
Contact Address:	1195 W REDLANDS BLVD
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAL000432334
Create Date:	2017-11-28 13:45:47.220
NAICS Code:	447190
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2017-11-28 13:45:47.20700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	REDLANDS GAS & FOOD MART
Facility Address:	1195 W REDLANDS BLVD
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92373

P89 **ARGON/TEXACO** **SWEEPS UST** **S101619346**
NNE **1195 W REDLANDS BLVD** **CA FID UST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 5 of 8 in cluster P**

Relative:
Higher

Actual:
1276 ft.

SWEEPS UST:

Name:	ARGON/TEXACO
Address:	1195 W REDLANDS BLVD
City:	REDLANDS
Status:	Active
Comp Number:	66015

ARGON/TEXACO (Continued) **S101619346**

Number: 9
Board Of Equalization: Not reported
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: #1
SWRCB Tank Id: 36-000-066015-000001
Tank Status: A
Capacity: 10000
Active Date: 06-28-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: ARGON/TEXACO
Address: 1195 W REDLANDS BLVD
City: REDLANDS
Status: Active
Comp Number: 66015
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: #2
SWRCB Tank Id: 36-000-066015-000002
Tank Status: A
Capacity: 10000
Active Date: 06-28-88
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: ARGON/TEXACO
Address: 1195 W REDLANDS BLVD
City: REDLANDS
Status: Active
Comp Number: 66015
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Owner Tank Id: #3
SWRCB Tank Id: 36-000-066015-000003
Tank Status: A
Capacity: 10000
Active Date: 06-28-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36006131

ARGON/TEXACO (Continued) **S101619346**

Regulated By:	UTNKA
Regulated ID:	00066015
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	REDLANDS 92373
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

P90 **REDLANDS GAS & MART** **RCRA NonGen / NLR** **1026720343**
NNE **1195 W REDLANDS BLVD.** **CAC003109043**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 6 of 8 in cluster P**

Relative: **Higher**
Actual: **1276 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20210309
Handler Name:	REDLANDS GAS & MART	
Handler Address:		1195 W REDLANDS BLVD.
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAC003109043
Contact Name:		DAYA SINGH909-
Contact Address:		1195 W REDLANDS BLVD.
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-435-9909
Contact Fax:		Not reported
Contact Email:		ADNAN7K@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1195 W REDLANDS BLVD.
Mailing City,State,Zip:		REDLANDS, CA 92373
Owner Name:		DAYA SINGH
Owner Type:		Other
Operator Name:		DAYA SINGH909-
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

REDLANDS GAS & MART (Continued) **1026720343**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210312
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAYA SINGH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1195 W REDLANDS BLVD.

REDLANDS GAS & MART (Continued) **1026720343**

Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-435-9909
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DAYA SINGH909-
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1195 W REDLANDS BLVD.
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-435-9909
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210309
Handler Name: REDLANDS GAS & MART
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P91 **REDLANDS GAS & FOOD MART** **RCRA NonGen / NLR** **1024863784**
NNE **1195 W REDLANDS BLVD** **CAL000432334**
1/8-1/4 **REDLANDS, CA 92373**
0.220 mi.
1162 ft. **Site 7 of 8 in cluster P**

Relative: **Higher**
Actual: **1276 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20171128
Handler Name: REDLANDS GAS & FOOD MART
Handler Address: 1195 W REDLANDS BLVD
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000432334
Contact Name: DAYA SINGH PRESIDENT

REDLANDS GAS & FOOD MART (Continued) **1024863784**

Contact Address:	1195 W REDLANDS BLVD
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	909-435-9909
Contact Fax:	Not reported
Contact Email:	SINGHDAYA6@AOL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1195 W REDLANDS BLVD
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	R&R GROUP ENT INC
Owner Type:	Other
Operator Name:	DAYA SINGH PRESIDENT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

REDLANDS GAS & FOOD MART (Continued) **1024863784**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAYA SINGH PRESIDENT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1195 W REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-435-9909
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	R&R GROUP ENT INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1195 W REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-435-9909
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20171128
Handler Name:	REDLANDS GAS & FOOD MART
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

REDLANDS GAS & FOOD MART (Continued) **1024863784**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 447190
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N92 **NADERS AUTO SALES INC** **RCRA NonGen / NLR** **1025868959**
NE **1075 W REDLANDS BLVD** **CAL000393218**
1/8-1/4 **REDLANDS, CA 92373**
0.224 mi.
1182 ft. **Site 3 of 6 in cluster N**

Relative: **Higher**

Actual: **1285 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140117
Handler Name:	NADERS AUTO SALES INC	
Handler Address:		1075 W REDLANDS BLVD
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAL000393218
Contact Name:		JERRY CARVER
Contact Address:		1075 W REDLANDS BLVD
Contact City,State,Zip:		REDLANDS, CA 92373-8013
Contact Telephone:		909-793-2277
Contact Fax:		909-793-3432
Contact Email:		NADERSAUTOSALE@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1075 W REDLANDS BLVD
Mailing City,State,Zip:		REDLANDS, CA 92373-8013
Owner Name:		MUHAMMAD FARHA
Owner Type:		Other
Operator Name:		JERRY CARVER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

NADERS AUTO SALES INC (Continued) **1025868959**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MUHAMMAD FARHA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	21163 LANDS END

NADERS AUTO SALES INC (Continued) **1025868959**

Owner/Operator City,State,Zip:	MORENO VALLEY, CA 92557-0000
Owner/Operator Telephone:	951-235-3555
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	JERRY CARVER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373-8013
Owner/Operator Telephone:	909-793-2277
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140117
Handler Name: NADERS AUTO SALES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44111
NAICS Description:	NEW CAR DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

N93 **NADERS AUTO SALES** **San Bern. Co. Permit** **S111859501**
NE **1075 W REDLANDS BLVD** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.224 mi.
1182 ft. **Site 4 of 6 in cluster N**

Relative: **Higher**

Actual: **1285 ft.**

San Bern. Co. Permit:

Name:	NADERS AUTO SALES
Address:	1075 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0014278
Owner:	PROPERTY ONE, LLC

NADERS AUTO SALES (Continued) **S111859501**

Permit Number: PT0025134
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025135
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025136
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025137
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025138
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025132
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)

NADERS AUTO SALES (Continued) **S111859501**

Facility Status: INACTIVE
Expiration Date: 03/31/2012

Name: NADERS AUTO SALES
Address: 1075 W REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014278
Owner: PROPERTY ONE, LLC
Permit Number: PT0025133
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2012

N94 **C-KEVARI CONTRACTOR** **HIST UST** **U001575390**
NE **1045 W PARK AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.226 mi.
1192 ft. **Site 5 of 6 in cluster N**

Relative: HIST UST:
Higher
Name: C-KEVARI CONTRACTOR
Actual: Address: 1045 W PARK AVE
1287 ft. City,State,Zip: REDLANDS, CA 92373
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000042526
Facility Type: Other
Other Type: CONTRACTOR
Contact Name: Not reported
Telephone: 7147925652
Owner Name: CLIFFORD KEVARI
Owner Address: 1119 E 36TH ST
Owner City,St,Zip: SAN BERNARDINO, CA 92404
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1979
Tank Capacity: 00000940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000450
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported

C-KEVARI CONTRACTOR (Continued) **U001575390**

Tank Capacity: 00000950
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Stock Inventor

San Bern. Co. Permit:
Name: DEVCO
Address: 1045 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002708
Owner: VEIRS, DOUGLAS
Permit Number: PT0007078
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2010

Name: DEVCO
Address: 1045 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002708
Owner: VEIRS, DOUGLAS
Permit Number: PT0007079
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2010

N95 **DEVCO SANDBLASTING** **HIST UST** **S112941974**
NE **1045 W PARK AVE** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **HWTS**
0.226 mi.
1192 ft. **Site 6 of 6 in cluster N**

Relative:
Higher

Actual:
1287 ft.

HIST UST:
Name: C-KEVARI CONTRACTOR
Address: 1045 PARK AVE
City,State,Zip: REDLANDS, CA 92373
File Number: 00029CD1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029CD1.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported

DEVCO SANDBLASTING (Continued) **S112941974**

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	DEVCO SANDBLASTING
Address:	1045 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
Contact:	ED REID
Telephone:	9097721046
Mailing Name:	Not reported
Mailing Address:	1045 W PARK AVE
Year:	2004
Gepaid:	CAC002584637
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.2085
Year:	2004
Gepaid:	CAC002584637
TSD EPA ID:	CAD981696420
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.21

Additional Info:

Year:	2004
Gen EPA ID:	CAC002584637
Shipment Date:	20041207
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041215
Manifest ID:	23872871
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	CAD982444481

DEVCO SANDBLASTING (Continued) **S112941974**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041207
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041209
Manifest ID:	23872870
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NA
Meth Code:	R01 - Recycler
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DEVCO SANDBLASTING
Address:	1045 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAC002584637
Inactive Date:	06/21/2005
Create Date:	12/02/2004
Last Act Date:	06/21/2005
Mailing Name:	Not reported
Mailing Address:	1045 W PARK AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	DEVCO SAND BLASTING
Owner Address:	1045 W PARK AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 92373
Contact Name:	ED REID
Contact Address:	1045 W PARK AVE
Contact Address 2:	Not reported

DEVCO SANDBLASTING (Continued) **S112941974**

City,State,Zip: REDLANDS, CA 92373

Q96 **ROBERTSON'S** **US MINES** **1016468830**
West **N/A**
1/8-1/4 **SAN BERNARDINO (County), CA**
0.232 mi.
1224 ft. **Site 1 of 2 in cluster Q**

Relative: US MINES:
Lower

Actual: Sic Code(s):	144200
1231 ft. Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	0404652
Entity Name:	REDLANDS
Company:	ROBERTSON'S
Status:	Full-Time Permanent
Status Date:	19830707
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	34
Longitude Degree:	117
Latitude Minute:	03
Latitude Seconds:	25
Longitude Minutes:	12
Longitude Seconds:	30
Number of Pits:	000

---

97 **BRIAN BELL** **RCRA NonGen / NLR** **1026480178**
SW **140 KANSAS STREET** **CAC003086128**
1/8-1/4 **REDLANDS, CA 92373**
0.235 mi.
1242 ft.

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		20200930
1243 ft. Handler Name:	BRIAN BELL	
Handler Address:		140 KANSAS STREET
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAC003086128
Contact Name:		BRIAN BELL
Contact Address:		140 KANSAS STREET
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-793-0601
Contact Fax:		Not reported
Contact Email:		CRISTAL.TEECOR@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

BRIAN BELL (Continued) **1026480178**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	140 KANSAS STREET
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	BRIAN BELL
Owner Type:	Other
Operator Name:	BRIAN BELL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201008

BRIAN BELL (Continued) **1026480178**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRIAN BELL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	140 KANSAS STREET
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-0601
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRIAN BELL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	140 KANSAS STREET
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-0601
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200930
Handler Name: BRIAN BELL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

BRIAN BELL (Continued) **1026480178**

Evaluation Action Summary:
Evaluations: No Evaluations Found

P98 **ARGON FUEL** **CPS-SLIC** **S122853929**
North **1205/1255 REDLANDS BLVD** **CERS** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.237 mi.
1253 ft. **Site 8 of 8 in cluster P**

Relative:
Higher

Actual:
1273 ft.

CPS-SLIC:

Name:	ARGON FUEL
Address:	1205/1255 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	07/13/2018
Global Id:	T10000011531
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.06056
Longitude:	-117.20033
Case Type:	Cleanup Program Site
Case Worker:	CAB
Local Agency:	Not reported
RB Case Number:	T10000011531
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	On June 19, 2003, various above ground fuel storage tanks (ASTs), above and below ground piping, and fuel dispensers were removed from the site during demolition activities. The ASTs were reported to contain diesel fuel, gasoline or kerosene. Additionally, an underground storage tank (UST) containing waste oil was also excavated and removed. The tank and fuel system removal activities were completed by A&J ENVIRONMENTAL, INC. of Riverside, California. During the removal of the various fueling systems on June 19, 2003, under the supervision of Ms. Betti MacGregor of the SBCFD, initial compliance soil samples were collected by A&J staff. All samples were collected between approximately two and three feet below site grade. The results of the soil analyses showed evidence of petroleum fuel releases near several of the fueling system features. On December 18, 2003, AEM observed the excavation of the shallow soil in the areas of elevated concentrations of petroleum compounds, based on the previous samples collected on June 19, 2003. Verification samples were then collected from the bottom and sidewalls of five distinct excavated areas. These verification soil samples indicated that the vertical extent of impacted soil was not removed in three of the five excavation locations.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	ARGON FUEL
Address:	1205/1255 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Site ID:	440736

ARGON FUEL (Continued) **S122853929**

CERS ID: T10000011531
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495,

R99 **DEVCO** **SWEEPS UST** **S101591579**
ENE **457 NEW YORK ST** **CA FID UST** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **EMI**
0.242 mi. **CERS**
1277 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**
Actual: **1283 ft.**

SWEEPS UST:
Name: GREEN SANDBLASTING/DEV CO
Address: 457 NEW YORK ST
City: REDLANDS
Status: Active
Comp Number: 8499
Number: 9
Board Of Equalization: 44-020067
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-14-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008499-000001
Tank Status: A
Capacity: 1
Active Date: 09-14-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: 2

Name: GREEN SANDBLASTING/DEV CO
Address: 457 NEW YORK ST
City: REDLANDS
Status: Active
Comp Number: 8499
Number: 9
Board Of Equalization: 44-020067
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-14-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008499-000002
Tank Status: A
Capacity: 1
Active Date: 09-14-88
Tank Use: UNKNOWN

DEVCO (Continued) **S101591579**

STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36008441
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 457 NEW YORK ST
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92373
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:
Name: DEVCO
Address: 457 NEW YORK ST
City,State,Zip: REDLANDS, CA 92373
Year: 2008
County Code: 36
Air Basin: SC
Facility ID: 61415
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .1453732145333581150
Reactive Organic Gases Tons/Yr: .14
Carbon Monoxide Emissions Tons/Yr: .07
NOX - Oxides of Nitrogen Tons/Yr: .32
SOX - Oxides of Sulphur Tons/Yr: .00497
Particulate Matter Tons/Yr: .08
Part. Matter 10 Micrometers and Smllr Tons/Yr: .0716

Name: DEVCO
Address: 457 NEW YORK ST
City,State,Zip: REDLANDS, CA 92373
Year: 2009
County Code: 36
Air Basin: SC
Facility ID: 61415
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

DEVCO (Continued) **S101591579**

Total Organic Hydrocarbon Gases Tons/Yr:	0.165618178598546
Reactive Organic Gases Tons/Yr:	0.16
Carbon Monoxide Emissions Tons/Yr:	7.0000000000000007E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.34999999999999998
SOX - Oxides of Sulphur Tons/Yr:	5.3299999999999997E-3
Particulate Matter Tons/Yr:	0.10000000000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.8319999999999996E-2

CERS:

Name:	DEVCO
Address:	457 NEW YORK ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	464467
CERS ID:	110041405529
CERS Description:	US EPA Air Emission Inventory System (EIS)

R100 **JJJ PROPERTIES TRUST** **UST** **U003784656**
ENE **457 NEW YORK ST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.242 mi.
1277 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **1283 ft.**

UST:

Name:	JJJ PROPERTIES TRUST
Address:	457 NEW YORK ST
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	86008499
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.059835
Longitude:	-117.194892

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101 **SCE REDLANDS LAYDOWN YARD** **CERS HAZ WASTE** **S124441336**
NW **10616 KANSAS ST** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.244 mi.
1287 ft.

Relative: **Lower**
Actual: **1249 ft.**

CERS HAZ WASTE:

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	549109
CERS ID:	10809220
CERS Description:	Hazardous Waste Generator

San Bern. Co. Permit:

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0018336
Owner:	Southern California Edison
Permit Number:	PT0039656
Permit Category:	LARGE QUANTITY GENERATOR

SCE REDLANDS LAYDOWN YARD (Continued) **S124441336**

Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: SCE REDLANDS LAYDOWN YARD
Address: 10616 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018336
Owner: Southern California Edison
Permit Number: PT0039657
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: SCE REDLANDS LAYDOWN YARD
Address: 10616 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018336
Owner: Southern California Edison
Permit Number: PT0040088
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 09/30/2021

CERS:
Name: SCE REDLANDS LAYDOWN YARD
Address: 10616 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 549109
CERS ID: 10809220
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

SCE REDLANDS LAYDOWN YARD (Continued) **S124441336**

Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Notification Center
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Operator

SCE REDLANDS LAYDOWN YARD (Continued) **S124441336**

Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 302-1212,
Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212,

S102 **JERRY MURPHYS REDLANDS DODGE** **RCRA-SQG** **1000134975**
North **1267 W REDLANDS BLVD** **FINDS** **CAD981659774**
1/8-1/4 **REDLANDS, CA 92373** **ECHO**
0.248 mi.
1311 ft. **Site 1 of 4 in cluster S**

Relative: **Lower**
Actual: **1264 ft.**

RCRA-SQG:

Date Form Received by Agency:	19900824
Handler Name:	JERRY MURPHYS REDLANDS DODGE
Handler Address:	1267 W REDLANDS BLVD
Handler City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAD981659774
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1267 W REDLANDS BLVD
Contact City,State,Zip:	REDLANDS, CA 92373
Contact Telephone:	714-793-1005
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	W REDLANDS BLVD
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	DON TURPIN
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

JERRY MURPHYS REDLANDS DODGE (Continued) **1000134975**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DON TURPIN
Legal Status:	Private

JERRY MURPHYS REDLANDS DODGE (Continued) **1000134975**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19900824
Handler Name:	JERRY MURPHYS REDLANDS DODGE
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110009539213

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

JERRY MURPHYS REDLANDS DODGE (Continued) **1000134975**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000134975
Registry ID:	110009539213
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009539213
Name:	JERRY MURPHYS REDLANDS DODGE
Address:	1267 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373

S103 **AAMCO TRANSMISSION** **RCRA NonGen / NLR** **1024823224**
North **1267 W REDLANDS BLVD** **CAL000343382**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 2 of 4 in cluster S**

Relative: **Lower**
Actual: **1264 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20090526
Handler Name:	AAMCO TRANSMISSION	
Handler Address:		1267 W REDLANDS BLVD
Handler City,State,Zip:		REDLANDS, CA 92373-8017
EPA ID:		CAL000343382
Contact Name:		LARRY ADAMS
Contact Address:		1267 W REDLANDS BLVD
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-793-7261
Contact Fax:		909-793-2421
Contact Email:		LADAMS@AAMCODEALERS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1267 W REDLANDS BLVD
Mailing City,State,Zip:		REDLANDS, CA 92373-8017
Owner Name:		LARRY ADAMS
Owner Type:		Other
Operator Name:		LARRY ADAMS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

AAMCO TRANSMISSION (Continued) **1024823224**

Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LARRY ADAMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1267 W REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-7261
Owner/Operator Telephone Ext:	Not reported

AAMCO TRANSMISSION (Continued) **1024823224**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LARRY ADAMS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1267 W REDLANDS BLVD
Owner/Operator City,State,Zip: REDLANDS, CA 92373-8017
Owner/Operator Telephone: 909-793-7261
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20090526
Handler Name: AAMCO TRANSMISSION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S104 **AAMCO TRANSMISSION** **RCRA NonGen / NLR** **1000135113**
North **1267 N REDLANDS BLVD** **CAD113500177**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 3 of 4 in cluster S**

Relative: **Lower**
Actual: **1264 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20090609
Handler Name: AAMCO TRANSMISSION
Handler Address: 1267 N REDLANDS BLVD
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAD113500177
Contact Name: LARRY ADAMS
Contact Address: 1267 W REDLANDS BLVD
Contact City,State,Zip: REDLANDS, CA 92373
Contact Telephone: 909-793-7261

AAMCO TRANSMISSION (Continued) **1000135113**

Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1267 W REDLANDS BLVD
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	LARRY ADAMS
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

AAMCO TRANSMISSION (Continued) **1000135113**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20090611
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LARRY ADAMS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1267 N REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-7261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LARRY ADAMS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1267 N REDLANDS BLVD
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-7261
Owner/Operator Telephone Ext:	Not reported

AAMCO TRANSMISSION (Continued) **1000135113**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: AAMCO TRANSMISSION	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20010810
Handler Name: AAMCO TRANSMISSION	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20090609
Handler Name: AAMCO TRANSMISSION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

AAMCO TRANSMISSION (Continued) **1000135113**

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S105 **AAMCO TRANSMISSIONS** **San Bern. Co. Permit** **S102044112**
North **1267 W REDLANDS BLVD** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 4 of 4 in cluster S**

Relative: **Lower**
Actual: **1264 ft.**

San Bern. Co. Permit:

Name:	AAMCO TRANSMISSIONS
Address:	1267 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0000118
Owner:	ADAMS, LARRY
Permit Number:	PT0007088
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2021

Name:	AAMCO TRANSMISSIONS
Address:	1267 W REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0000118
Owner:	ADAMS, LARRY
Permit Number:	PT0007087
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	05/31/2020

T106 **EMPIRE KARTS** **RCRA-SQG** **1004676797**
West **302 ALABAMA NO 9** **FINDS** **CAR000089581**
1/8-1/4 **REDLANDS, CA 92373** **ECHO**
0.248 mi.
1311 ft. **Site 1 of 5 in cluster T**

Relative: **Lower**
Actual: **1224 ft.**

RCRA-SQG:

Date Form Received by Agency:		20010105
Handler Name:	EMPIRE KARTS	
Handler Address:		302 ALABAMA NO 9
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAR000089581
Contact Name:		BILL BURROS
Contact Address:		302 ALABAMA NO 9
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-793-7532
Contact Fax:		Not reported

EMPIRE KARTS (Continued) **1004676797**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	302 ALABAMA NO 9
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	BILL BURROS
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

EMPIRE KARTS (Continued) **1004676797**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BILL BURROS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	302 ALABAMA NO 9
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-793-7532
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20010105
Handler Name: EMPIRE KARTS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

EMPIRE KARTS (Continued) **1004676797**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110012266555

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004676797
Registry ID:	110012266555
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012266555
Name:	EMPIRE KARTS
Address:	302 ALABAMA NO 9
City,State,Zip:	REDLANDS, CA 92373

T107 **DIAGNOSTIC IMAGING INC** **RCRA-SQG 1000596429**
West **302 ALABAMA ST SUITE 8** **FINDS CAD983604000**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 2 of 5 in cluster T**

Relative: **Lower**
Actual: **1224 ft.**

RCRA-SQG:

Date Form Received by Agency:		19990917
Handler Name:	DIAGNOSTIC IMAGING INC	
Handler Address:		302 ALABAMA ST SUITE 8
Handler City,State,Zip:		REDLANDS, CA 92373-8033
EPA ID:		CAD983604000
Contact Name:		RONALD RICHARDS
Contact Address:		302 ALABAMA ST SUITE 8
Contact City,State,Zip:		REDLANDS, CA 92373-8033
Contact Telephone:		909-793-1881
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		302 ALABAMA ST SUITE 8
Mailing City,State,Zip:		REDLANDS, CA 92373-8033

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Owner Name:	DIAGNOSTIC IMAGING INC
Owner Type:	Other
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D011
Waste Description: SILVER

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: DIAGNOSTIC IMAGING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4345 SOUTHPOINT BLVD
Owner/Operator City,State,Zip: JACKSONVILLE, FL 32216
Owner/Operator Telephone: 904-332-3265
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DIAGNOSTIC IMAGING INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4345 SOUTHPOINT BLVD
Owner/Operator City,State,Zip: JACKSONVILLE, FL 32216
Owner/Operator Telephone: 904-332-3265
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990917
Handler Name: DIAGNOSTIC IMAGING INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990917
Handler Name: DIAGNOSTIC IMAGING INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Preparedness and Prevention
Date Violation was Determined: 19960619
Actual Return to Compliance Date: 19960619
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19960619
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19960619
Actual Return to Compliance Date: 19960619
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19960619
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19960619
Actual Return to Compliance Date: 19960619
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19960619
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19960619
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960619
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960619
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960619
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960619
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960619
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID:	110002859416

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

T108 **QA PROCESSOR SERVICE** **HWP** **S100942968**
West **302 ALABAMA ST, STE8** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 3 of 5 in cluster T**

Relative: **Lower**
Actual: **1224 ft.**

HWP:

EPA ID:	CAD983604000
Name:	QA PROCESSOR SERVICE
Address:	302 ALABAMA ST, STE8
Cleanup Status:	CLOSED
Latitude:	34.05584
Longitude:	-117.2070
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	23
Assembly District:	40
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Standardized ISD
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	71-75%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Closure:

EPA ID:	CAD983604000
Facility Type:	Historical - Non-Operating
Facility Name:	QA PROCESSOR SERVICE
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	STND
Title Description:	Closure
Due Date:	Not reported

QA PROCESSOR SERVICE (Continued) **S100942968**

Comments:	Facility deregulated due to SB2111 in 1999. Units not closed but deregulated to lower tier.
Unit Names:	Not reported
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	01/01/1999

T109 **JOSEPH BARROS** **RCRA NonGen / NLR** **1024752235**
West **302 ALABAMA ST. #10** **CAC002972039**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 4 of 5 in cluster T**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		20180720
Actual: Handler Name:	JOSEPH BARROS	
1224 ft. Handler Address:		302 ALABAMA ST. #10
Handler City,State,Zip:		REDLANDS, CA 92373
EPA ID:		CAC002972039
Contact Name:		JOE BARROS
Contact Address:		302 ALABAMA ST. #10
Contact City,State,Zip:		REDLANDS, CA 92373
Contact Telephone:		909-222-0668
Contact Fax:		Not reported
Contact Email:		TDCCOMPONENTS@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		302 ALABAMA ST. #10
Mailing City,State,Zip:		REDLANDS, CA 92373
Owner Name:		JOE BARROS
Owner Type:		Other
Operator Name:		JOE BARROS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

JOSEPH BARROS (Continued) **1024752235**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOE BARROS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	302 ALABAMA ST. #10
Owner/Operator City,State,Zip:	REDLANDS, CA 92373
Owner/Operator Telephone:	909-557-3054
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOE BARROS
Legal Status:	Other
Date Became Current:	Not reported

JOSEPH BARROS (Continued) **1024752235**

Date Ended Current: Not reported
Owner/Operator Address: 302 ALABAMA ST. #10
Owner/Operator City,State,Zip: REDLANDS, CA 92373
Owner/Operator Telephone: 909-222-0668
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180720
Handler Name: JOSEPH BARROS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

T110 **FOUNDATION WINDPOWER LLC** **RCRA NonGen / NLR** **1025876388**
West **302 ALABAMA ST UNIT 5** **CAL000449524**
1/8-1/4 **REDLANDS, CA 92373**
0.248 mi.
1311 ft. **Site 5 of 5 in cluster T**

Relative: RCRA NonGen / NLR:
Lower Date Form Received by Agency: 20191001
Actual: Handler Name: FOUNDATION WINDPOWER LLC
1224 ft. Handler Address: 302 ALABAMA ST UNIT 5
Handler City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000449524
Contact Name: JOE PIMENTEL
Contact Address: 505 SANSOME ST STE 900
Contact City,State,Zip: SAN FRANCISCO, CA 94111
Contact Telephone: 415-819-5797
Contact Fax: Not reported
Contact Email: JOE.PIMENTEL@FOUNDATIONWINDPOWER.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported

FOUNDATION WINDPOWER LLC (Continued) **1025876388**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	505 SANSOME ST STE 900
Mailing City,State,Zip:	SAN FRANCISCO, CA 94111
Owner Name:	MATT WILSON
Owner Type:	Other
Operator Name:	JOE PIMENTEL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

FOUNDATION WINDPOWER LLC (Continued) **1025876388**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191004
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOE PIMENTEL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	505 SANSOME ST STE 900
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94111
Owner/Operator Telephone:	415-819-5797
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MATT WILSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	505 SANSOME ST STE 900
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94111
Owner/Operator Telephone:	415-320-9342
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191001
Handler Name:	FOUNDATION WINDPOWER LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

FOUNDATION WINDPOWER LLC (Continued) **1025876388**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Q111 **BROOKSIDE DAIRY** **LUST** **S102425785**
West **325 ALABAMA ST** **Cortese** **N/A**
1/4-1/2 **REDLANDS, CA 92373** **HIST CORTESE**
0.270 mi. **NPDES**
1427 ft. **Site 2 of 2 in cluster Q** **CIWQS**
CERS

Relative:
Lower

Actual:
1229 ft.

LUST:
Name: BROOKSIDE DAIRY
Address: 325 ALABAMA ST
City,State,Zip: REDLANDS, CA 92373
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100050
Global Id: T0607100050
Latitude: 34.057142
Longitude: -117.209667
Status: Completed - Case Closed
Status Date: 04/11/1988
Case Worker: Not reported
RB Case Number: 083600475T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 87091
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Heating Oil / Fuel Oil
Site History: Not reported

LUST:
Global Id: T0607100050
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: patricia.hannon@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607100050
Action Type: Other
Date: 07/20/1987
Action: Leak Reported

Global Id: T0607100050
Action Type: REMEDIATION
Date: 03/01/1988
Action: Excavation

LUST:
Global Id: T0607100050

BROOKSIDE DAIRY (Continued) **S102425785**

Status:	Open - Case Begin Date
Status Date:	07/20/1986
Global Id:	T0607100050
Status:	Open - Site Assessment
Status Date:	07/20/1987
Global Id:	T0607100050
Status:	Completed - Case Closed
Status Date:	04/11/1988

LUST REG 8:

Name:	BROOKSIDE DAIRY
Address:	325 ALABAMA ST
City:	REDLANDS
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083600475T
Local Case Num:	87091
Case Type:	Aquifer affected
Substance:	#4 Fuel Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	BARTON
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0607100050
How Stopped Date:	Not reported
Enter Date:	7/20/1987
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	4/11/1988
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	7/20/1987
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/20/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0593426
Longitude:	-117.2090997
MTBE Date:	Not reported
Max MTBE GW:	Not reported

BROOKSIDE DAIRY (Continued) **S102425785**

MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	BROOKSIDE DAIRY
Address:	325 ALABAMA ST
City,State,Zip:	REDLANDS, CA 92373
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100050
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	BROOKSIDE DAIRY
edr_fadd1:	325 ALABAMA
City,State,Zip:	REDLANDS, CA 92373
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083600475T

NPDES:

Name:	NORDSTRAND PICKUPS INC
Address:	325 ALABAMA ST SUITE 8
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Not reported

BROOKSIDE DAIRY (Continued) **S102425785**

NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC006242
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/04/2020
Operator Name:	Nordstrand Pickups Inc
Operator Address:	325 Alabama St Suite 8
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373

Name:	NORDSTRAND PICKUPS INC
Address:	325 ALABAMA ST SUITE 8
City,State,Zip:	REDLANDS, CA 92373
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	517895
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36NEC006242
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/04/2020
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	325 Alabama St Suite 8
Discharge Name:	Nordstrand Pickups Inc
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92373
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

BROOKSIDE DAIRY (Continued) **S102425785**

CIWQS:

Name:	NORDSTRAND PICKUPS INC
Address:	325 ALABAMA ST SUITE 8
City,State,Zip:	REDLANDS, CA 92373
Agency:	Nordstrand Pickups Inc
Agency Address:	325 Alabama St Suite 8, Redlands, CA 92373
Place/Project Type:	Industrial - Musical Instruments
SIC/NAICS:	3931
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36NEC006242
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/04/2020
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.0572
Longitude:	-117.21022

CERS:

Name:	NORDSTRAND PICKUPS INC
Address:	325 ALABAMA ST SUITE 8
City,State,Zip:	REDLANDS, CA 92373
Site ID:	586208
CERS ID:	879688
CERS Description:	Industrial Facility Storm Water

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	03-24-2020
Violations Found:	No
Eval Type:	Construction Storm Water Compliance Evaluation
Eval Notes:	No exposure observed at site.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Nordstrand Pickups Inc
Entity Title:	Operator
Affiliation Address:	325 Alabama St Suite 8
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	,

BROOKSIDE DAIRY (Continued) **S102425785**

Name:	BROOKSIDE DAIRY
Address:	325 ALABAMA ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	215775
CERS ID:	T0607100050
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	PATRICIA HANNON - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

112
WNW
1/4-1/2
0.350 mi.
1847 ft.

REDLANDS COMMUNITY DAY SCHOOL
ALABAMA STREET/WEST PARK AVENUE
REDLANDS, CA 92373

ENVIROSTOR SCH **S106153062 N/A**

Relative:
Lower

Actual:
1229 ft.

ENVIROSTOR:

Name:	REDLANDS COMMUNITY DAY SCHOOL
Address:	ALABAMA STREET/WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36010050
Status:	No Further Action
Status Date:	10/22/2004
Site Code:	404512
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	8
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	40
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05861
Longitude:	-117.21
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Toxaphene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	REDLANDS COMMUNITY DAY SCHOOL
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. OFFICE OF EDUCATION

REDLANDS COMMUNITY DAY SCHOOL (Continued) **S106153062**

Alias Type: Alternate Name
Alias Name: SAN BERNARDINO OE-PRPSD REDLAND COM.DAY
Alias Type: Alternate Name
Alias Name: 404512
Alias Type: Project Code (Site Code)
Alias Name: 36010050
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/06/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: REDLANDS COMMUNITY DAY SCHOOL
Address: ALABAMA STREET/WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36010050
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC

REDLANDS COMMUNITY DAY SCHOOL (Continued) **S106153062**

Project Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404512
Assembly:	40
Senate:	23
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	10/22/2004
Restricted Use:	NO
Funding:	School District
Latitude:	34.05861
Longitude:	-117.21
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Toxaphene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	REDLANDS COMMUNITY DAY SCHOOL
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. OFFICE OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO OE-PRPSD REDLAND COM.DAY
Alias Type:	Alternate Name
Alias Name:	404512
Alias Type:	Project Code (Site Code)
Alias Name:	36010050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/13/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/10/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/22/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/06/2004
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

REDLANDS COMMUNITY DAY SCHOOL (Continued) **S106153062**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

113
WNW
1/4-1/2
0.474 mi.
2504 ft.

LAYNE CHRISTENSEN REDLANDS PROPERTY
1675 WEST PARK AVENUE
REDLANDS, CA 92373

ENVIROSTOR **S121475142**
VCP **N/A**

Relative:
Lower

Actual:
1220 ft.

ENVIROSTOR:
Name: LAYNE CHRISTENSEN REDLANDS PROPERTY
Address: 1675 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Facility ID: 60002340
Status: Certified
Status Date: 10/15/2019
Site Code: 401739
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 7.08
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chia Rin Yen
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: , 40
Senate: , 23
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05845
Longitude: -117.2120
APN: 0292-158-15-0000, 029215801
Past Use: AGRICULTURAL - ORCHARD
Potential COC: Dieldrin
Confirmed COC: Dieldrin
Potential Description: SOIL
Alias Name: 0292-158-15-0000
Alias Type: APN
Alias Name: 029215801
Alias Type: APN
Alias Name: 401739
Alias Type: Project Code (Site Code)
Alias Name: 60002340
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/29/2018
Comments: DTSC prepared a revised cost estimate to reflect changes in the scope of work

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/29/2017
Comments: Fully executed VCA sent to Michael McKenna via Certified Mail on 11/29/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/09/2018
Comments: DTSC conducted a drive by site visit prior to approval of the PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 01/28/2019
Comments: NOD was sent by overnight mail to DTSC Sacramento for filing with OPR on 1/29/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/14/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/31/2018
Comments: FY 18/19 Estimate: $27,193

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 11/15/2017
Comments: VCP application submitted by new RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/10/2018
Comments: DTSC conditionally approved the PEA provided a land use covenant is executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/24/2018
Comments: Not reported

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/26/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: LAYNE CHRISTENSEN REDLANDS PROPERTY
Address: 1675 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Facility ID: 60002340
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7.08
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Chia Rin Yen
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401739
Assembly:	, 40
Senate:	, 23
Special Programs Code:	Not reported
Status:	Certified
Status Date:	10/15/2019
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.05845 / -117.2120
APN:	0292-158-15-0000, 029215801
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	30207
Confirmed COC:	30207
Potential Description:	SOIL
Alias Name:	0292-158-15-0000
Alias Type:	APN
Alias Name:	029215801
Alias Type:	APN
Alias Name:	401739
Alias Type:	Project Code (Site Code)
Alias Name:	60002340
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/29/2018
Comments:	DTSC prepared a revised cost estimate to reflect changes in the scope of work
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	11/29/2017
Comments:	Fully executed VCA sent to Michael McKenna via Certified Mail on 11/29/17.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/09/2018
Comments:	DTSC conducted a drive by site visit prior to approval of the PEA
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	01/28/2019
Comments:	NOD was sent by overnight mail to DTSC Sacramento for filing with OPR on 1/29/2019.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Completed Document Type: Certification
Completed Date: 10/14/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/31/2018
Comments: FY 18/19 Estimate: $27,193

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 11/15/2017
Comments: VCP application submitted by new RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/10/2018
Comments: DTSC conditionally approved the PEA provided a land use covenant is executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/18/2018

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/26/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

114
NW
1/4-1/2
0.485 mi.
2563 ft.

CALIFORNIA TARGET ENTP. #943
1580 REDLANDS BLVD
REDLANDS, CA 92375

LUST **S102426139**
Cortese **N/A**
CERS

Relative:
Lower

Actual:
1242 ft.

LUST:
Name: CALIFORNIA TARGET ENTP. #943
Address: 1580 REDLANDS BLVD
City,State,Zip: REDLANDS, CA 92375
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100419
Global Id: T0607100419
Latitude: 34.063124
Longitude: -117.208096
Status: Completed - Case Closed
Status Date: 01/16/2004
Case Worker: Not reported
RB Case Number: 083602863T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 96037
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: Not reported

LUST:
Global Id: T0607100419
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE

CALIFORNIA TARGET ENTP. #943 (Continued) **S102426139**

Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:
Global Id: T0607100419
Action Type: Other
Date: 07/26/1995
Action: Leak Discovery

Global Id: T0607100419
Action Type: ENFORCEMENT
Date: 01/16/2004
Action: Closure/No Further Action Letter

Global Id: T0607100419
Action Type: Other
Date: 07/26/1995
Action: Leak Reported

Global Id: T0607100419
Action Type: REMEDIATION
Date: 04/21/2004
Action: Not reported

Global Id: T0607100419
Action Type: Other
Date: 07/26/1995
Action: Leak Stopped

LUST:
Global Id: T0607100419
Status: Open - Case Begin Date
Status Date: 05/11/1995

Global Id: T0607100419
Status: Open - Site Assessment
Status Date: 05/11/1995

Global Id: T0607100419
Status: Open - Site Assessment
Status Date: 07/26/1995

Global Id: T0607100419
Status: Completed - Case Closed
Status Date: 01/16/2004

LUST REG 8:
Name: CALIFORNIA TARGET ENTP. #943
Address: 1580 REDLANDS BLVD
City: REDLANDS
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083602863T

CALIFORNIA TARGET ENTP. #943 (Continued) **S102426139**

Local Case Num:	96037
Case Type:	Soil only
Substance:	8006619, MTB
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	ALABAMA
Enf Type:	Not reported
Funding:	Federal Funds
How Discovered:	Subsurface Monitoring
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100419
How Stopped Date:	7/26/1995
Enter Date:	9/12/1996
Date Confirmation of Leak Began:	7/26/1995
Date Preliminary Assessment Began:	5/11/1995
Discover Date:	7/26/1995
Enforcement Date:	Not reported
Close Date:	1/16/2004
Date Prelim Assessment Workplan Submitted:	7/26/1995
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/12/1996
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0608015
Longitude:	-117.1998383
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	TME
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	MUN
Priority:	A2
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: NEW RP: PRIME - JC LLC/ CHARLES COMPANY, CONTACT: DOUG CARR, 9171 WILSHIRE BLVD., SUITE #600, BEVERLY HILLS, CA 90210

CORTESE:

Name:	CALIFORNIA TARGET ENTP. #943
Address:	1580 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92375

CALIFORNIA TARGET ENTP. #943 (Continued) **S102426139**

Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100419
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CALIFORNIA TARGET ENTP. #943
Address:	1580 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92375
Site ID:	243057
CERS ID:	T0607100419
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517823238,

U115 **SO CAL GAS/REDLANDS MGP** **EDR MGP** **1008407741**
East **STATE STREET AT REDLANDS BLVD** **N/A**
1/2-1 **REDLANDS, CA 92373**
0.612 mi.
3233 ft. **Site 1 of 2 in cluster U**

Relative:
Higher

Actual:
1323 ft.

Manufactured Gas Plants:

The site is a 1-acre parcel which was operated as a MGP from 1906 to 1921 by various utility companies. In 1921, the Gas Company discontinued operations at the site. The site was dismantled prior to 1928. PEA field work conducted in June 1993 revealeed visible soil contamination (possibly with lampblack).

U116 **SO CAL GAS/REDLANDS I (STATE ST.) MGP** **ENVIROSTOR** **S106568286**
East **STATE STREET AT REDLANDS BL.** **VCP** **N/A**
1/2-1 **REDLANDS, CA 92373**
0.642 mi.
3388 ft. **Site 2 of 2 in cluster U**

Relative: **Higher**

Actual: **1324 ft.**

ENVIROSTOR:

Name:	SO CAL GAS/REDLANDS I (STATE ST.) MGP
Address:	STATE STREET AT REDLANDS BL.
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36490112
Status:	Active
Status Date:	07/28/2000
Site Code:	400336
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	40
Senate:	23
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.05720
Longitude:	-117.1890
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS * OXYGENATED SOLVENTS * CONTAMINATED SOIL * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES Benzene Lead Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	10196-NO 10198-NO Benzene 10003-NO 10009-NO Lead 10064-NO 10067-NO 10097-NO Polynuclear aromatic hydrocarbons (PAHs
Potential Description:	SOIL
Alias Name:	REDLANDS I
Alias Type:	Alternate Name
Alias Name:	REDLANDS I MANUFACTURED GAS PLANT
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS CO - REDLANDS
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/REDLANDS (REDLANDS BL) MGP
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/REDLANDS (STATE ST.) MGP
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT - REDLANDS
Alias Type:	Alternate Name
Alias Name:	TOWN GAS SITE - REDLANDS
Alias Type:	Alternate Name
Alias Name:	110033615737

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Alias Type: EPA (FRS #)
Alias Name: 400336
Alias Type: Project Code (Site Code)
Alias Name: 36490112
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: DTSC sent the cost estimate for the upcoming year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/30/2018
Comments: O&M not required.

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: The Gas Co. informed that there is no O&M activity required for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/28/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation to further characterize the existing soil contamination and to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Cost Estimated

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2001
Comments: RP placed wood chips to fully cover the exposed soil in two planters at the site. High concentrations of lead have been detected at these planters during previous investigations. The placement of these wood chips is a temporary measure that will minimize the contaminant exposure to human health.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/11/2003
Comments: CEQA - ND: DTSC completed Removal Action Workplan (RAW) and Negative Declaration (ND). The RAW and ND were approved on 9/11/03. The Notice of Determination (NOD) of a CEQA was signed on 9/11/03. Removal action will occur with the adjacent Redlands II site. The proposed cleanup option is excavation and offsite treatment and offsite stabilization. Approximately 40,000 cubic yards of contaminated soil will be removed from these two sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 2

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/20/2001
Comments: The Workplan documents the additional site investigation activities to be conducted as required by DTSC at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/21/2002
Comments: DTSC approved the SI report as complete. A Removal Action Workplan will be developed to address the contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2009
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2011
Comments: Not reported

Future Area Name: Property 2
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: Property 1
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: Property 3
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2027
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SO CAL GAS/REDLANDS I (STATE ST.) MGP
Address: STATE STREET AT REDLANDS BL.
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36490112
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Project Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	400336
Assembly:	40
Senate:	23
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	07/28/2000
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.05720 / -117.1890
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	10003, 10009, 10064, 10067, 10097, 10196, 10198, 30003, 30013, 30019
Confirmed COC:	10196-NO,10198-NO,30003,10003-NO,10009-NO,30013,10064-NO,10067-NO, 10097-NO,30019
Potential Description:	SOIL
Alias Name:	REDLANDS I
Alias Type:	Alternate Name
Alias Name:	REDLANDS I MANUFACTURED GAS PLANT
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS CO - REDLANDS
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/REDLANDS (REDLANDS BL) MGP
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/REDLANDS (STATE ST.) MGP
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT - REDLANDS
Alias Type:	Alternate Name
Alias Name:	TOWN GAS SITE - REDLANDS
Alias Type:	Alternate Name
Alias Name:	110033615737
Alias Type:	EPA (FRS #)
Alias Name:	400336
Alias Type:	Project Code (Site Code)
Alias Name:	36490112
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/09/2007
Comments:	DTSC sent the cost estimate for the upcoming year.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/09/2007
Comments:	Not reported
Completed Area Name:	Property 2
Completed Sub Area Name:	Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/30/2018
Comments: O&M not required.

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: The Gas Co. informed that there is no O&M activity required for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/23/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/28/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation to further characterize the existing soil contamination and to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Cost Estimated

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2001
Comments: RP placed wood chips to fully cover the exposed soil in two planters at the site. High concentrations of lead have been detected at these planters during previous investigations. The placement of these wood chips is a temporary measure that will minimize the contaminant exposure to human health.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/11/2003
Comments: CEQA - ND: DTSC completed Removal Action Workplan (RAW) and Negative Declaration (ND). The RAW and ND were approved on 9/11/03. The Notice of Determination (NOD) of a CEQA was signed on 9/11/03. Removal action will occur with the adjacent Redlands II site. The proposed cleanup option is excavation and offsite treatment and offsite stabilization. Approximately 40,000 cubic yards of contaminated soil will be removed from these two sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/20/2001
Comments: The Workplan documents the additional site investigation activities to be conducted as required by DTSC at the site.

Completed Area Name: PROJECT WIDE

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/21/2002
Comments: DTSC approved the SI report as complete. A Removal Action Workplan will be developed to address the contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2009
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2011
Comments: Not reported

Future Area Name: Property 2
Future Sub Area Name: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Future Document Type:	Land Use Restriction
Future Due Date:	2022
Future Area Name:	Property 1
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2022
Future Area Name:	Property 3
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2023
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2027
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

117
WNW
1/2-1
0.700 mi.
3694 ft.

REDLANDS EARLY EDUCATION CENTER **ENVIROSTOR** **S105628840**
1712 WEST PARK AVENUE **SCH** **N/A**
REDLANDS, CA 92373 **CERS**

Relative:
Lower

Actual:
1205 ft.

ENVIROSTOR:

Name:	REDLANDS EARLY EDUCATION CENTER
Address:	1712 WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36010023
Status:	No Further Action
Status Date:	04/19/2002
Site Code:	404257
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	40
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05977
Longitude:	-117.2163
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Chlordane DDD DDE DDT Lead

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

Confirmed COC: 30004-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description: SOIL
Alias Name: REDLANDS EARLY EDUCATION CENTER
Alias Type: Alternate Name
Alias Name: REDLANDS EARLY EDUCATION CTR. (PROPOSED)
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO CO. SUPT. OF SCHOOLS
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO COE-REDLANDS EARLY ED CTR
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO COUNTY SUPERINTENDENT SCH
Alias Type: Alternate Name
Alias Name: 404257
Alias Type: Project Code (Site Code)
Alias Name: 36010023
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/19/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/01/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: REDLANDS EARLY EDUCATION CENTER
Address: 1712 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

Facility ID:	36010023
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4.2
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404257
Assembly:	40
Senate:	23
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	04/19/2002
Restricted Use:	NO
Funding:	School District
Latitude:	34.05977
Longitude:	-117.2163
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Chlordane, DDD, DDE, DDT, Lead
Confirmed COC:	30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO
Potential Description:	SOIL
Alias Name:	REDLANDS EARLY EDUCATION CENTER
Alias Type:	Alternate Name
Alias Name:	REDLANDS EARLY EDUCATION CTR. (PROPOSED)
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. SUPT. OF SCHOOLS
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO COE-REDLANDS EARLY ED CTR
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO COUNTY SUPERINTENDENT SCH
Alias Type:	Alternate Name
Alias Name:	404257
Alias Type:	Project Code (Site Code)
Alias Name:	36010023
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	11/02/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/21/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

Completed Date: 04/19/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/01/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: REDLANDS EARLY EDUCA
Address: 1712 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Site ID: 342104
CERS ID: 36010023
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: YOLANDA GARZA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

V118 **TELEDYNE BATTERY** **ENVIROSTOR** **1000201837**
NNE **840 W BROCKTON AVE** **LUST** **N/A**
1/2-1 **REDLANDS, CA 92374** **CERS HAZ WASTE**
0.742 mi. **SWEEPS UST**
3917 ft. **Site 1 of 2 in cluster V** **HIST UST**
CA FID UST
Relative: **Cortese**
Higher **EMI**
ICE
Actual: **HWP**
1311 ft. **NPDES**
San Bern. Co. Permit
CIWQS
CERS

ENVIROSTOR:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 923730000

TELEDYNE BATTERY (Continued) **1000201837**

Facility ID: 80001578
Status: No Further Action
Status Date: 09/07/2018
Site Code: 400255
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Katherine Gould
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 40
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06735
Longitude: -117.1939
APN: NONE SPECIFIED
Past Use: BATTERY MANUFACTURING, BATTERY MANUFACTURING
Potential COC: Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC: Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description: SOIL
Alias Name: CAD008386641
Alias Type: EPA Identification Number
Alias Name: 400255
Alias Type: Project Code (Site Code)
Alias Name: 36360017
Alias Type: Envirostor ID Number
Alias Name: 80001578
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 10/18/2011
Comments: document will be uploaded shortly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/03/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 12/17/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 11/10/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 10/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/28/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 06/28/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 08/20/1993
Comments: Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WHSE SITE
Completed Document Type: RFI Workplan
Completed Date: 10/25/1985
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE SITE
Completed Document Type: RFI Report
Completed Date: 01/19/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/27/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/25/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/01/1990
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SURFACE IMPOUNDMENTS
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/24/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement

TELEDYNE BATTERY (Continued) **1000201837**

Completed Date: 06/29/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36360017
Status: Refer: RCRA
Status Date: 04/25/1995
Site Code: 400255
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 40
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06743
Longitude: -117.1939
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008386641
Alias Type: EPA Identification Number
Alias Name: 400255
Alias Type: Project Code (Site Code)
Alias Name: 36360017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/24/1983
Comments: FACILITY IDENTIFIED ID VIA TELEPHONE DIRECTORY (1971) BATTERY PRODUCTS
Not reported

Completed Area Name: PROJECT WIDE

TELEDYNE BATTERY (Continued) **1000201837**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/09/1995
Comments: NFA FOR SITE MITIGATION OPERATIONS, THIS IS A RCRA FACILITY.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: TELEDYNE BATTERY
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100086
Global Id: T0607100086
Latitude: 34.067435
Longitude: -117.193912
Status: Completed - Case Closed
Status Date: 12/28/1990
Case Worker: CR2
RB Case Number: 083600803T
Local Agency: SAN BERNARDINO COUNTY
File Location: Not reported
Local Case Number: 90201
Potential Media Affect: Soil
Potential Contaminants of Concern: Heating Oil / Fuel Oil
Site History: Not reported

LUST:
Global Id: T0607100086
Contact Type: Local Agency Caseworker
Contact Name: CATHERINE RICHARDS
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: crichards@sbcfire.org
Phone Number: 9093868419

LUST:
Global Id: T0607100086
Action Type: Other
Date: 03/30/1987
Action: Leak Discovery

Global Id: T0607100086
Action Type: ENFORCEMENT
Date: 12/28/1990
Action: Referral to Regional Board

TELEDYNE BATTERY (Continued) **1000201837**

Global Id: T0607100086
Action Type: Other
Date: 05/15/1987
Action: Leak Reported

Global Id: T0607100086
Action Type: ENFORCEMENT
Date: 03/01/2000
Action: Closure/No Further Action Letter

LUST:
Global Id: T0607100086
Status: Open - Case Begin Date
Status Date: 03/30/1987

Global Id: T0607100086
Status: Open - Site Assessment
Status Date: 03/29/1988

Global Id: T0607100086
Status: Completed - Case Closed
Status Date: 12/28/1990

CERS HAZ WASTE:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Hazardous Waste Onsite Treatment

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Hazardous Waste Generator

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92

TELEDYNE BATTERY (Continued) **1000201837**

Created Date:	02-29-88
Owner Tank Id:	1ABCD
SWRCB Tank Id:	36-000-000717-000001
Tank Status:	A
Capacity:	42423
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	7
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City:	REDLANDS
Status:	Active
Comp Number:	717
Number:	9
Board Of Equalization:	44-019774
Referral Date:	03-23-92
Action Date:	03-23-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-000717-000002
Tank Status:	A
Capacity:	5000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City:	REDLANDS
Status:	Active
Comp Number:	717
Number:	9
Board Of Equalization:	44-019774
Referral Date:	03-23-92
Action Date:	03-23-92
Created Date:	02-29-88
Owner Tank Id:	9
SWRCB Tank Id:	36-000-000717-000003
Tank Status:	A
Capacity:	1643
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City:	REDLANDS
Status:	Active
Comp Number:	717
Number:	9

TELEDYNE BATTERY (Continued) **1000201837**

Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 9A
SWRCB Tank Id: 36-000-000717-000004
Tank Status: A
Capacity: 1643
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 10
SWRCB Tank Id: 36-000-000717-000005
Tank Status: A
Capacity: 152
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 10A
SWRCB Tank Id: 36-000-000717-000006
Tank Status: A
Capacity: 943
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS

TELEDYNE BATTERY (Continued) **1000201837**

Status:	Active
Comp Number:	717
Number:	9
Board Of Equalization:	44-019774
Referral Date:	03-23-92
Action Date:	03-23-92
Created Date:	02-29-88
Owner Tank Id:	10B
SWRCB Tank Id:	36-000-000717-000007
Tank Status:	A
Capacity:	2394
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVENUE
City,State,Zip:	REDLANDS, CA 92374
File Number:	0002A75A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A75A.pdf
Region:	STATE
Facility ID:	00000000717
Facility Type:	Other
Other Type:	AIRCRAFT BATTERIES
Contact Name:	Not reported
Telephone:	7147933131
Owner Name:	TELEDYNE INDUSTRIES, INC.
Owner Address:	1901 AVENUE OF THE STARS
Owner City,St,Zip:	LOS ANGELES, CA 90067
Total Tanks:	0013
Tank Num:	001
Container Num:	1ABCD
Year Installed:	1967
Tank Capacity:	00042423
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1977
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	3/8
Leak Detection:	Visual
Tank Num:	003
Container Num:	6
Year Installed:	1980
Tank Capacity:	00003367
Tank Used for:	WASTE

TELEDYNE BATTERY (Continued) **1000201837**

Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	004
Container Num:	7
Year Installed:	1980
Tank Capacity:	00000596
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Visual
Tank Num:	005
Container Num:	8
Year Installed:	1978
Tank Capacity:	00001496
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	006
Container Num:	9
Year Installed:	1978
Tank Capacity:	00001643
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	007
Container Num:	9A
Year Installed:	1978
Tank Capacity:	00001643
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	008
Container Num:	10
Year Installed:	1978
Tank Capacity:	00000152
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	009
Container Num:	10A
Year Installed:	1978
Tank Capacity:	00000943
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

TELEDYNE BATTERY (Continued) **1000201837**

Tank Num: 010
Container Num: 10B
Year Installed: 1978
Tank Capacity: 00002394
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 011
Container Num: 11
Year Installed: 1980
Tank Capacity: 00000412
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 012
Container Num: 12
Year Installed: 1980
Tank Capacity: 00001197
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 013
Container Num: 13
Year Installed: 1980
Tank Capacity: 00130000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 36 MIL
Leak Detection: Visual, Groundwater Monitoring Well

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 36000274
Regulated By: UTNKA
Regulated ID: 00000717
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92374
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

TELEDYNE BATTERY (Continued) **1000201837**

CORTESE:

Name:	TELEDYNE BATTERY
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100086
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON
City,State,Zip:	REDLANDS, CA 92374
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	16732
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TELEDYNE AIRCRAFT PRODS-BATTER
Address:	840 W BROCKTON
City,State,Zip:	REDLANDS, CA 92374
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	16732
Air District Name:	SC
SIC Code:	3691

TELEDYNE BATTERY (Continued) **1000201837**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TELEDYNE CONTINENTAL MOTORS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	16732
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.00434337
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00249309438

Name:	TELEDYNE AIRCRAFT PRODS-BATTER
Address:	840 W BROCKTON
City,State,Zip:	REDLANDS, CA 92374
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	16732
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4.4678299999999999E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5645344199999999E-3

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Year:	2012
County Code:	36
Air Basin:	SC

TELEDYNE BATTERY (Continued) **1000201837**

Facility ID:	16732
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.02285986
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01312155964

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Year:	2015
County Code:	36
Air Basin:	SC
Facility ID:	173302
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.27292698282
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.27292613814

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Year:	2017
County Code:	36
Air Basin:	SC
Facility ID:	173302
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.15909090909
Reactive Organic Gases Tons/Yr:	0.07
Carbon Monoxide Emissions Tons/Yr:	0.49
NOX - Oxides of Nitrogen Tons/Yr:	1.96
SOX - Oxides of Sulphur Tons/Yr:	0.00917
Particulate Matter Tons/Yr:	0.0712552
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0707204848

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374

TELEDYNE BATTERY (Continued) **1000201837**

Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	173302
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.32526968182
Reactive Organic Gases Tons/Yr:	0.14311866
Carbon Monoxide Emissions Tons/Yr:	0.7155934
NOX - Oxides of Nitrogen Tons/Yr:	2.657912
SOX - Oxides of Sulphur Tons/Yr:	0.012267316
Particulate Matter Tons/Yr:	0.15334142265
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.152421373

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Year:	2019
County Code:	36
Air Basin:	SC
Facility ID:	173302
Air District Name:	SC
SIC Code:	3691
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.24088884091
Reactive Organic Gases Tons/Yr:	0.10599109
Carbon Monoxide Emissions Tons/Yr:	0.5299546
NOX - Oxides of Nitrogen Tons/Yr:	1.968413
SOX - Oxides of Sulphur Tons/Yr:	0.009084955
Particulate Matter Tons/Yr:	0.11356187264
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.11288050029

ICE:

Envirostor ID:	3001949
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAD008386641
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	01/05/1999
Violation Class:	No Violations
RTC Date:	Not reported

HWP:

EPA ID:	CAD008386641
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE

TELEDYNE BATTERY (Continued) **1000201837**

Cleanup Status:	CLOSED
Latitude:	34.06735
Longitude:	-117.1939
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	400255
Senate District:	23
Assembly District:	40
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Entered 11/15/07. Teledyne Continental Motors, Battery Products Operations (TBP) is located in Redlands, CA and occupies approximately five acres of land surrounded by 15 acres of vacant land also owned by Teledyne. The TBP facility began operations at this location in 1967. TBP manufactures lead-acid storage batteries for aircraft, emergency lighting systems, and vehicles. TBP handled and stored hazardous materials or wastes on several locations at the facility. Environmental studies at the facility were carried out under two administrative processes; Resource Conservation and Recovery Act (RCRA) closure and RCRA corrective action. The results of soil, soil gas, and groundwater investigations conducted at the facility were presented in the RCRA Facility Investigation Report and Closure Reports which indicated the presence of chemical residues in different areas of the facility. Three areas required soil remediation prior to RCRA closure. The cleanup of the three areas included excavating soil with chemical residues and disposing the excavated soil at a permitted off-site disposal facility. Approximately 350 cubic yards of soil contaminated with lead and sulfate were excavated from the former evaporation pond and percolation pond. In addition, approximately 10 cubic yards of soil contaminated with lead, solvents (TCE, PCE, and 1,1,1-TCA), and sulfate were excavated from the Old Container Storage Unit. DTSC issued public notice of the proposed RCRA corrective action program cleanup plan for the TBP facility during two public notice periods between May 2000 and August 2000. DTSC required cleanup via excavation of small areas of lead residues at the Acid Scrubber Water Storage Tanks and Waste Water Treatment Plant. An Open House to receive comments on the soil removal plan was held on July 26, 2001. Approximately one cubic yard of soil was excavated and disposed of at an off-site hazardous waste disposal facility. Sampling conducted after excavation indicated that the levels of lead remaining after the excavation a
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	86-90%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD008386641
Facility Type:	Historical - Non-Operating
Facility Name:	TELEDYNE BATTERY PRODUCTS
Project Manager:	Not reported
Project Manager Lead:	Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1986-06-27 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 10/03/1985

EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1986-06-27 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 10/02/1985

EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1986-06-27 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/27/1986

TELEDYNE BATTERY (Continued) **1000201837**

EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1986-06-27 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

Closure:
EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 01/17/1996

EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION

TELEDYNE BATTERY (Continued) **1000201837**

Actual Date: 06/26/1995

Alias:
EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Envirostor ID Number
Alias: 36360017

EPA ID: CAD008386641
Facility Type: Historical - Non-Operating
Facility Name: TELEDYNE BATTERY PRODUCTS
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: 400255

NPDES:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 36I023994
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 12/27/2012
Operator Name: Teledyne Technologies Incorporated dba Teledyne Battery Products
Operator Address: PO Box 7950
Operator City: Redlands
Operator State: California
Operator Zip: 92375

NPDES as of 03/2018:
NPDES Number: CAS000001

TELEDYNE BATTERY (Continued) **1000201837**

Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	433709
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Reynolds Inc
Discharge Address:	PO Box 7950
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	433709
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/27/2012
Processed Date:	12/27/2012
Status:	Active
Status Date:	12/27/2012
Place Size:	4.75
Place Size Unit:	Acres
Contact:	Jesus Bueno Luna
Contact Title:	EHS Specialist
Contact Phone:	909-793-3131
Contact Phone Ext:	139
Contact Email:	Jesus.Luna@teledyne.com
Operator Name:	Teledyne Reynolds Inc
Operator Address:	PO Box 7950
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375
Operator Contact:	Jesus Bueno Luna
Operator Contact Title:	EHS Specialist
Operator Contact Phone:	909-793-3131
Operator Contact Phone Ext:	139

TELEDYNE BATTERY (Continued) **1000201837**

Operator Contact Email:	Jesus.Luna@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Jesus Luna
Certifier Title:	EHS Specialist
Certification Date:	17-JUN-15
Primary Sic:	3691-Storage Batteries
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	433709
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I023994
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/27/2012
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 7950
Discharge Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products

TELEDYNE BATTERY (Continued) **1000201837**

Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	433709
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Reynolds Inc
Discharge Address:	PO Box 7950
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	433709
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/27/2012
Processed Date:	12/27/2012
Status:	Active
Status Date:	12/27/2012
Place Size:	4.75
Place Size Unit:	Acres
Contact:	Jesus Bueno Luna
Contact Title:	EHS Specialist

TELEDYNE BATTERY (Continued) **1000201837**

Contact Phone:	909-793-3131
Contact Phone Ext:	139
Contact Email:	Jesus.Luna@teledyne.com
Operator Name:	Teledyne Reynolds Inc
Operator Address:	PO Box 7950
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375
Operator Contact:	Jesus Bueno Luna
Operator Contact Title:	EHS Specialist
Operator Contact Phone:	909-793-3131
Operator Contact Phone Ext:	139
Operator Contact Email:	Jesus.Luna@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Jesus Luna
Certifier Title:	EHS Specialist
Certification Date:	17-JUN-15
Primary Sic:	3691-Storage Batteries
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Region:	SAN BERNARDINO
Facility ID:	FA0006608
Owner:	TELEDYNE TECHNOLOGIES INC.

TELEDYNE BATTERY (Continued) **1000201837**

Permit Number: PT0001494
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0039088
Permit Category: PBR ANNUAL FEE
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0023956
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2022

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0001495
Permit Category: SUPER LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 09/30/2018

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0013335
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0016171
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)

TELEDYNE BATTERY (Continued) **1000201837**

Facility Status: INACTIVE
Expiration Date: 09/30/2005

CIWQS:

Name:	TELEDYNE BATTERY
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Agency:	Teledyne Continental Motors
Agency Address:	PO Box 7950, Redlands, CA 92375
Place/Project Type:	Industrial - Storage Batteries
SIC/NAICS:	3691
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I014715
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	11/02/1998
Termination Date:	12/24/2012
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.06648
Longitude:	-117.19183

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Agency:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Agency Address:	PO Box 7950, Redlands, CA 92375
Place/Project Type:	Industrial - Storage Batteries
SIC/NAICS:	3691
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I023994
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/27/2012
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.06744
Longitude:	-117.19391

TELEDYNE BATTERY (Continued) **1000201837**

CERS:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 01-01-2018
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 10-31-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description: Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

TELEDYNE BATTERY (Continued) **1000201837**

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler

TELEDYNE BATTERY (Continued) **1000201837**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - RECYCLING WASTE
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

TELEDYNE BATTERY (Continued) **1000201837**

Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2019
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Regional Board staff Mr. Elliott and Ms. Mendoza were escorted through the facility by Mr. Vincent Jermany, Director of Operations. The SWPPP, daily tank inspections, and twice weekly sweeping logs were present. The last daily inspection log was dated 11/5/19 and the sweeping log was dated 10/29/19. The scrap metal roll off bin did not have a lid but Mr. Jermany indicated that a tarp is available to place over the bin when rain is forecast. Cardboard trash bins had lids that were closed. Housekeeping appeared to be well kept. The discharge sampling location was observed and appeared to be clear of trash, debris, and sediment. Mr. Jermany did not appear to be aware of the required Level 2 ERA report due on January 1, 2020. The 2016-17 facility AdHoc average lead concentrations exceeded the NAL and a Level 1 ERA was submitted. The BMP recommendations appeared to be primarily focused on housekeeping improvements. "Use tarping or covered rolloff to cover the outdoor material storage. Increase frequency of sweeping the site with sweeper, in areas located away from air monitors, catch basins and sumps to be inspected monthly. Cleaning will be conducted immediately when significant sediment buildup is observed. Catch basins and sumps will be cleaned annually, at a minimum." The 2018-19 AdHoc reports average lead concentration of 0.30 mg/L exceeded the NAL of 0.262 mg/L. The Level 2 ERA report is due by January 1, 2020.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

TELEDYNE BATTERY (Continued) **1000201837**

Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 09-13-2018
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 74280
Facility Name: TELEDYNE BATTERY PRODUCTS
Env Int Type Code: SMSWIND
Program ID: 820750
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.067440
Longitude: -117.193910

Affiliation:
Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Michael Volpone
Entity Title: EHS Manager
Affiliation Address: Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605,
Affiliation Type Desc:	Technical Contact
Entity Name:	Vincent Jermany
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097124171,
Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany
Entity Title:	Directort of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Facility Owner

TELEDYNE BATTERY (Continued) **1000201837**

Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Vincent Jermany
Entity Title:	Operations Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-3131,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Phone:	(808) 373-4602,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92375
Affiliation Phone: ,

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 820750
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 01-01-2018
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 10-31-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description: Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit

TELEDYNE BATTERY (Continued) **1000201837**

a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019

TELEDYNE BATTERY (Continued) **1000201837**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	PBR
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - RECYCLING WASTE
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-05-1999
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Post-Closure
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,
Eval General Type:	Compliance Evaluation Inspection

TELEDYNE BATTERY (Continued) **1000201837**

Eval Date:	04-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - HW
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-05-2019
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Regional Board staff Mr. Elliott and Ms. Mendoza were escorted through the facility by Mr. Vincent Jermany, Director of Operations. The SWPPP, daily tank inspections, and twice weekly sweeping logs were present. The last daily inspection log was dated 11/5/19 and the sweeping log was dated 10/29/19. The scrap metal roll off bin did not have a lid but Mr. Jermany indicated that a tarp is available to place over the bin when rain is forecast. Cardboard trash bins had lids that were closed. Housekeeping appeared to be well kept. The discharge sampling location was observed and appeared to be clear of trash, debris, and sediment. Mr. Jermany did not appear to be aware of the required Level 2 ERA report due on January 1, 2020. The 2016-17 facility AdHoc average lead concentrations exceeded the NAL and a Level 1 ERA was submitted. The BMP recommendations appeared to be primarily focused on housekeeping improvements. "Use tarping or covered rolloff to cover the outdoor material storage. Increase frequency of sweeping the site with sweeper, in areas located away from air monitors, catch basins and sumps to be inspected monthly. Cleaning will be conducted immediately when significant sediment buildup is observed. Catch basins and sumps will be cleaned annually, at a minimum." The 2018-19 AdHoc reports average lead concentration of 0.30 mg/L exceeded the NAL of 0.262 mg/L. The Level 2 ERA report is due by January 1, 2020.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection

TELEDYNE BATTERY (Continued) **1000201837**

Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 09-13-2018
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 74280
Facility Name: TELEDYNE BATTERY PRODUCTS
Env Int Type Code: SMSWIND
Program ID: 820750
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.067440
Longitude: -117.193910

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation:

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605,

Affiliation Type Desc:	Technical Contact
Entity Name:	Vincent Jermany
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097124171,

Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany
Entity Title:	Directort of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Country: Not reported
Affiliation Zip: 900660000
Affiliation Phone: 3105742071,

Affiliation Type Desc: Facility Owner
Entity Name: TELEDYNE TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: 1049 CAMINO DOS RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 913600000
Affiliation Phone: 3105742071,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Vincent Jermany
Entity Title: Operations Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: TELEDYNE TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 793-3131,

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602,

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,
Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Site ID:	74280
CERS ID:	CAD008386641
CERS Description:	Hazardous Waste

Violations:

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	01-01-2018
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	10-31-2016
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description:	Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan

TELEDYNE BATTERY (Continued) **1000201837**

(SB-14).

Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

TELEDYNE BATTERY (Continued) **1000201837**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - RECYCLING WASTE
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure

TELEDYNE BATTERY (Continued) **1000201837**

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2019
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Regional Board staff Mr. Elliott and Ms. Mendoza were escorted through the facility by Mr. Vincent Jermany, Director of Operations. The SWPPP, daily tank inspections, and twice weekly sweeping logs were present. The last daily inspection log was dated 11/5/19 and the sweeping log was dated 10/29/19. The scrap metal roll off bin did not have a lid but Mr. Jermany indicated that a tarp is available to place over the bin when rain is forecast. Cardboard trash bins had lids that were closed. Housekeeping appeared to be well kept. The discharge sampling location was observed and appeared to be clear of trash, debris, and sediment. Mr. Jermany did not appear to be aware of the required Level 2 ERA report due on January 1, 2020. The 2016-17 facility AdHoc average lead concentrations exceeded the NAL and a Level 1 ERA was submitted. The BMP recommendations appeared to be primarily focused on housekeeping improvements. "Use tarping or covered rolloff to cover the outdoor material storage. Increase frequency of sweeping the site with sweeper, in areas located away from air monitors, catch basins and sumps to be inspected monthly. Cleaning will be conducted immediately when significant sediment buildup is observed. Catch basins and sumps will be cleaned annually, at a minimum." The 2018-19 AdHoc reports average lead concentration of 0.30 mg/L exceeded the NAL of 0.262 mg/L. The Level 2 ERA report is due by January 1, 2020.

TELEDYNE BATTERY (Continued) **1000201837**

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 09-13-2018
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 74280
Facility Name: TELEDYNE BATTERY PRODUCTS
Env Int Type Code: SMSWIND
Program ID: 820750

TELEDYNE BATTERY (Continued) **1000201837**

Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.067440
Longitude: -117.193910

Affiliation:
Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Michael Volpone
Entity Title: EHS Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Melanie S. Cibik
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: 8053734605,

Affiliation Type Desc: Technical Contact
Entity Name: Vincent Jermany
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: 9097124171,

Affiliation Type Desc: Company Official
Entity Name: vincent jermany
Entity Title: Directort of Operations
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Facility Contact

TELEDYNE BATTERY (Continued) **1000201837**

Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Facility Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Vincent Jermany
Entity Title:	Operations Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-3131,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602,

Affiliation Type Desc: Document Preparer
Entity Name: Sudy Koupal
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Sudy Koupal
Entity Title: Not reported
Affiliation Address: PO BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92375
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92375
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: John D. Anderson
Entity Title: GENERAL MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602,

Affiliation Type Desc: Owner/Operator
Entity Name: Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title: Operator
Affiliation Address: PO Box 7950
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92375
Affiliation Phone: ,

Name: TELEDYNE BATTERY
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 237852
CERS ID: T0607100086
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CATHERINE RICHARDS - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 SOUTH E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9093868419,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903,

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 92374TLDYN840WE
CERS Description: Toxic Release Inventory

Violations:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 01-01-2018
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report

TELEDYNE BATTERY (Continued) **1000201837**

Violation Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	10-31-2016
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description:	Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes:	Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.

TELEDYNE BATTERY (Continued) **1000201837**

Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013

TELEDYNE BATTERY (Continued) **1000201837**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - RECYCLING WASTE
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-05-1999
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Post-Closure
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

TELEDYNE BATTERY (Continued) **1000201837**

Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - HW
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-05-2019
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Regional Board staff Mr. Elliott and Ms. Mendoza were escorted through the facility by Mr. Vincent Jermany, Director of Operations. The SWPPP, daily tank inspections, and twice weekly sweeping logs were present. The last daily inspection log was dated 11/5/19 and the sweeping log was dated 10/29/19. The scrap metal roll off bin did not have a lid but Mr. Jermany indicated that a tarp is available to place over the bin when rain is forecast. Cardboard trash bins had lids that were closed. Housekeeping appeared to be well kept. The discharge sampling location was observed and appeared to be clear of trash, debris, and sediment. Mr. Jermany did not appear to be aware of the required Level 2 ERA report due on January 1, 2020. The 2016-17 facility AdHoc average lead concentrations exceeded the NAL and a Level 1 ERA was submitted. The BMP recommendations appeared to be primarily focused on housekeeping improvements. "Use tarping or covered rolloff to cover the outdoor material storage. Increase frequency of sweeping the site with sweeper, in areas located away from air monitors, catch basins and sumps to be inspected monthly. Cleaning will be conducted immediately when significant sediment buildup is observed. Catch basins and sumps will be cleaned annually, at a minimum." The 2018-19 AdHoc reports average lead concentration of 0.30 mg/L exceeded the NAL of 0.262 mg/L. The Level 2 ERA report is due by January 1, 2020.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

TELEDYNE BATTERY (Continued) **1000201837**

Enforcement Action:

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	09-13-2018
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	10-31-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	74280
Facility Name:	TELEDYNE BATTERY PRODUCTS
Env Int Type Code:	SMSWIND
Program ID:	820750
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.067440
Longitude:	-117.193910

Affiliation:

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605,
Affiliation Type Desc:	Technical Contact
Entity Name:	Vincent Jermany
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097124171,
Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany
Entity Title:	Directort of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Facility Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Vincent Jermany
Entity Title:	Operations Director

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-3131,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

TELEDYNE BATTERY (Continued) **1000201837**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Sudy Koupal
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	,

V119 **TELEDYNE INC TELEDYNE BATTERY** **CORRACTS** **1000201836**
NNE **840 W BROCKTON AVE** **RCRA-TSDF** **CAD008386641**
1/2-1 **REDLANDS, CA 92373** **RCRA-LQG**
0.742 mi. **2020 COR ACTION**
3917 ft. **Site 2 of 2 in cluster V** **RAATS**

Relative:
Higher

Actual:
1311 ft.

CORRACTS:

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: CMS COMPLETE
Actual Date: 20040628
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 20040628
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19870930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19870930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19951025
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: WHSE SITE
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19851025
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE SITE
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20000119
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19921110
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19931217
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19930820
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W. BROCKTON
Address 2: Not reported
EPA ID: CAD008386641
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20111018
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
5 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:
Date Form Received by Agency: 20200211
Handler Name: TELEDYNE BATTERY PRODUCTS
Handler Address: 840 W. BROCKTON
Handler City,State,Zip: REDLANDS, CA 92374-2902
EPA ID: CAD008386641
Contact Name: EDWIN RODRIGUEZ
Contact Address: W BROCKTON AVE
Contact City,State,Zip: REDLANDS, CA 92374
Contact Telephone: 909-712-4181 x4181
Contact Fax: Not reported
Contact Email: EDWIN.RODRIGUEZ@TELEDYNE.COM
Contact Title: EHS TECH
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities, Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: WEST BROCKTON AVE
Mailing City,State,Zip: REDLANDS, CA 92374
Owner Name: TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRO
Owner Type: Private
Operator Name: TELEDYNE BATTERY PRODUCTS
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2019

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: TELEDYNE TECHNOLOGIES INC.
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: 1049 CAMINO DOS RIOS

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 W BROCKTON AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status:	Private

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSANDS OAKS, CA 92374
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE TECHNOLOGIES, INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE INDUSTRIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1901 AVE OF THE STARS
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90067
Owner/Operator Telephone:	213-277-3311
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSANDS OAKS, CA 92374
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE CONTINENTAL MOTORS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 W BROCKTON AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE CONTINENTAL MOTORS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	12333 W OLYMPIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90064
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2049 CENTURY PARK EAST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90067-3101
Owner/Operator Telephone:	310-551-4344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 WEST BROCKTON AVENUE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	139
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	12333 WEST OLYMPIC BLVD.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90064
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator City,State,Zip: THOUSAND OAKS, CA 91360
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: 1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip: THOUSANDS OAKS, CA 92374
Owner/Operator Telephone: 805-373-4540
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TELEDYNE BATTERY PRODUCTS
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: 840 W BROCKTON AVE
Owner/Operator City,State,Zip: REDLANDS, CA 92374
Owner/Operator Telephone: 909-793-3131
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TYLEDYNE TECHNOLOGIES, INC.
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TELEDYNE CONTINENTAL MOTORS
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100624
Handler Name: TELEDYNE BATTERY PRODUCTS

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120727
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160301
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20141022
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181022
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200210
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: T C M BATTERY PRODUCTS OPERATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000808
Handler Name: T C M BATTERY PRODUCTS OPERATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200211
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Receive Date: 19900405
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940318
Handler Name: TELEDYNE AIRCRAFT PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020227
Handler Name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040903
Handler Name: TELEDYNE CONTINENTAL MOTORS BATTERY PROD
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060307
Handler Name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080221
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 335911
NAICS Description: STORAGE BATTERY MANUFACTURING

NAICS Code: 335912
NAICS Description: PRIMARY BATTERY MANUFACTURING

NAICS Code: 44131
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20180509
Actual Return to Compliance Date: 20180606
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 011
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19890112
Actual Return to Compliance Date:	19900227
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19890525
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	70000
Final Monetary Amount:	70000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	70000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19920626
Actual Return to Compliance Date:	19930311
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 15000
Paid Amount: Not reported
Final Count: 1
Final Amount: 15000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20101006
Actual Return to Compliance Date: 20110110
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20101109
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: CSEIT
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881208
Actual Return to Compliance Date: 19890209
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890222
Enforcement Identifier: 005
Date of Enforcement Action: 19890120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911121

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	15000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	15000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121
Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 15000
Paid Amount: Not reported
Final Count: 1
Final Amount: 15000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19930415
Actual Return to Compliance Date: 19930507
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 013
Date of Enforcement Action: 19930415
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19881108
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19880414
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881208
Actual Return to Compliance Date:	19890209
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890222
Enforcement Identifier:	005
Date of Enforcement Action:	19890120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19920706

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19931207
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19901108
Actual Return to Compliance Date:	19910131
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19910123
Enforcement Identifier:	008
Date of Enforcement Action:	19901223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20101006

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	20110110
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20101208
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	CSEIT
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19911121
Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891130
Actual Return to Compliance Date:	19900202
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900213
Enforcement Identifier:	007
Date of Enforcement Action:	19900112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120
Actual Return to Compliance Date: 19881108
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19880701
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121
Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19920310
Actual Return to Compliance Date:	19930311
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19911121
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	H
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871001
Actual Return to Compliance Date:	19871019
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19871015
Enforcement Identifier:	001
Date of Enforcement Action:	19871001
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120
Actual Return to Compliance Date: 19881108
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881230
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911121

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 009
Date of Enforcement Action: 19911121
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19930415
Actual Return to Compliance Date:	19930507
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	014
Date of Enforcement Action:	19930714
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	37725
Final Monetary Amount:	1000
Paid Amount:	1000
Final Count:	1
Final Amount:	1000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881208

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date: 19890209
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890222
Enforcement Identifier: 005
Date of Enforcement Action: 19890120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20180509
Actual Return to Compliance Date:	20180606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 009
Date of Enforcement Action: 19911121
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19940804

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Return to Compliance Date:	19940929
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	015
Date of Enforcement Action:	19940804
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19920706
Actual Return to Compliance Date:	19931207
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19890112
Actual Return to Compliance Date: 19900227
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19890525
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 70000
Final Monetary Amount: 70000
Paid Amount: Not reported
Final Count: 1
Final Amount: 70000

Evaluation Action Summary:
Evaluation Date: 20180509
Evaluation Responsible Agency: State
Found Violation: Yes

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180606
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20190402
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940913
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920626
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930311
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20101006
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110110
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930301
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930507
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931207
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910131
Scheduled Compliance Date:	19910123
Date of Request:	Not reported
Date Response Received:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880816
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20101006
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110110
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900202
Scheduled Compliance Date:	19900213
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901005
Evaluation Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891128
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950929
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920310
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930311
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871001
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19871019
Scheduled Compliance Date:	19871015
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940429
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930301
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930507
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990105
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881201
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161031
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180509
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180606
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931207
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

RCRA-LQG:

Date Form Received by Agency:	20200211
Handler Name:	TELEDYNE BATTERY PRODUCTS
Handler Address:	840 W. BROCKTON
Handler City,State,Zip:	REDLANDS, CA 92374-2902
EPA ID:	CAD008386641
Contact Name:	EDWIN RODRIGUEZ
Contact Address:	W BROCKTON AVE
Contact City,State,Zip:	REDLANDS, CA 92374
Contact Telephone:	909-712-4181 x4181
Contact Fax:	Not reported
Contact Email:	EDWIN.RODRIGUEZ@TELEDYNE.COM
Contact Title:	EHS TECH
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	WEST BROCKTON AVE
Mailing City,State,Zip:	REDLANDS, CA 92374
Owner Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRO
Owner Type:	Private
Operator Name:	TELEDYNE BATTERY PRODUCTS
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 W BROCKTON AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSANDS OAKS, CA 92374
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE TECHNOLOGIES, INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE INDUSTRIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1901 AVE OF THE STARS

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator City,State,Zip:	LOS ANGELES, CA 90067
Owner/Operator Telephone:	213-277-3311
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSANDS OAKS, CA 92374
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE CONTINENTAL MOTORS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 W BROCKTON AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE CONTINENTAL MOTORS
Legal Status:	Private

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	12333 W OLYMPIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90064
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2049 CENTURY PARK EAST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90067-3101
Owner/Operator Telephone:	310-551-4344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 WEST BROCKTON AVENUE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	139
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	12333 WEST OLYMPIC BLVD.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90064
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC.
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSAND OAKS, CA 91360
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	1049 CAMINO DOS RIOS
Owner/Operator City,State,Zip:	THOUSANDS OAKS, CA 92374
Owner/Operator Telephone:	805-373-4540
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TELEDYNE BATTERY PRODUCTS
Legal Status:	Private
Date Became Current:	19990823
Date Ended Current:	Not reported
Owner/Operator Address:	840 W BROCKTON AVE
Owner/Operator City,State,Zip:	REDLANDS, CA 92374
Owner/Operator Telephone:	909-793-3131
Owner/Operator Telephone Ext:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TYLEDYNE TECHNOLOGIES, INC.
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TELEDYNE CONTINENTAL MOTORS
Legal Status: Private
Date Became Current: 19990823
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100624
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120727
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160301
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20141022
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181022
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200210
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: T C M BATTERY PRODUCTS OPERATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000808
Handler Name: T C M BATTERY PRODUCTS OPERATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200211
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900405
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Receive Date: 19940318
Handler Name: TELEDYNE AIRCRAFT PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020227
Handler Name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040903
Handler Name: TELEDYNE CONTINENTAL MOTORS BATTERY PROD
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060307
Handler Name:	TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080221
Handler Name:	TELEDYNE BATTERY PRODUCTS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	335911
NAICS Description:	STORAGE BATTERY MANUFACTURING

NAICS Code:	335912
NAICS Description:	PRIMARY BATTERY MANUFACTURING

NAICS Code:	44131
NAICS Description:	AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20180509
Actual Return to Compliance Date:	20180606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121
Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19920220
Enforcement Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 011
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19890112
Actual Return to Compliance Date: 19900227
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19890525
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 70000
Final Monetary Amount: 70000
Paid Amount: Not reported
Final Count: 1
Final Amount: 70000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19920626
Actual Return to Compliance Date: 19930311
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	15000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	15000
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20101006
Actual Return to Compliance Date:	20110110
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20101109
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	CSEIT
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881208
Actual Return to Compliance Date:	19890209
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890222
Enforcement Identifier:	005
Date of Enforcement Action:	19890120
Enforcement Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 15000
Paid Amount: Not reported
Final Count: 1
Final Amount: 15000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 15000
Paid Amount: Not reported
Final Count: 1
Final Amount: 15000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19930415
Actual Return to Compliance Date: 19930507
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 013
Date of Enforcement Action: 19930415
Enforcement Responsible Agency: State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120
Actual Return to Compliance Date: 19881108
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19880414
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881208
Actual Return to Compliance Date: 19890209
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890222
Enforcement Identifier: 005
Date of Enforcement Action: 19890120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19920706
Actual Return to Compliance Date: 19931207
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19901108
Actual Return to Compliance Date: 19910131
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19910123
Enforcement Identifier: 008
Date of Enforcement Action: 19901223
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20101006
Actual Return to Compliance Date: 20110110
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20101208
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: CSEIT
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 011
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891130
Actual Return to Compliance Date: 19900202
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900213
Enforcement Identifier: 007
Date of Enforcement Action: 19900112
Enforcement Responsible Agency: State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120
Actual Return to Compliance Date: 19881108
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19880701
Enforcement Responsible Agency: State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 011
Date of Enforcement Action: 19920220
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19920310
Actual Return to Compliance Date: 19930311
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 009
Date of Enforcement Action: 19911121
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871001
Actual Return to Compliance Date: 19871019
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19871015
Enforcement Identifier: 001
Date of Enforcement Action: 19871001
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19871120
Actual Return to Compliance Date: 19881108
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881230
Enforcement Responsible Agency: State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911121
Actual Return to Compliance Date: 19930913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 009
Date of Enforcement Action: 19911121
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19930415
Actual Return to Compliance Date:	19930507
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	014
Date of Enforcement Action:	19930714
Enforcement Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 37725
Final Monetary Amount: 1000
Paid Amount: 1000
Final Count: 1
Final Amount: 1000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881208
Actual Return to Compliance Date: 19890209
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890222
Enforcement Identifier: 005
Date of Enforcement Action: 19890120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20180509
Actual Return to Compliance Date:	20180606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911121
Actual Return to Compliance Date:	19930913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19911121
Enforcement Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: H
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19940804
Actual Return to Compliance Date: 19940929
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 015
Date of Enforcement Action: 19940804
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19920706
Actual Return to Compliance Date:	19931207
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19890112
Actual Return to Compliance Date:	19900227
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19890525
Enforcement Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 70000
Final Monetary Amount: 70000
Paid Amount: Not reported
Final Count: 1
Final Amount: 70000

Evaluation Action Summary:
Evaluation Date: 20180509
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20180606
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190402
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940913
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920626
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930311
Scheduled Compliance Date:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20101006
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110110
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930301
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930507
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931207
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19901108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910131
Scheduled Compliance Date:	19910123
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880816
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20101006
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110110
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900202
Scheduled Compliance Date:	19900213
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901005
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891128
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871120
Evaluation Responsible Agency:	State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950929
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920310
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930311
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871001
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19871019
Scheduled Compliance Date:	19871015
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881108
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940429
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Date:	19930301
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930507
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890209
Scheduled Compliance Date:	19890222
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990105
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881201
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161031
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180509
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180606
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911011
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930913
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940804
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931207
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

2020 COR ACTION:
EPA ID: CAD008386641
Region: 9
Action: Remedy Construction

RAATS:
Entry No: 1
Facility ID: CAD008386641
Type: Not reported
Docket No: RCRA-09-89-0026
Region: 09
Issue Date: Not reported
Final Date: 02/24/1989
Status: Unilateral Order (Corrective Action)
Additional: Not reported
Action ID: 497
Action: 3008 (H)
Violation No: Not reported
Viol No Cited: 0
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: .00
Final Penalty: .00
Total Prop. Penalty: .00
Comments: 3008(H) ORDER (UNILATERAL)

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CITY OF REDLANDS	1015730681	REDLANDS SMUDGE POT TANKS SITE	100 FEET WEST OF REDLANDS BLVD	92373	SEMS
REDLANDS	S126984098	ALABAMA STREET ILLEGAL DISPOSAL SI	ALABAMA ST. AND PIONEER AVE.	92374	SWF/LF
REDLANDS	1008407740	EDISON/REDLANDS MGP	501-525 W REDLANDS AT KENDALL	92373	EDR MGP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/01/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/08/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/28/2022
Number of Days to Update: 80

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 03/02/2022
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/09/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/18/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/27/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/22/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 84

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/05/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/18/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 80

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 80

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/05/2021
Date Made Active in Reports: 12/22/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/18/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/27/2022
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/06/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/23/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/22/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 85

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 12/01/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/21/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 10/08/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/04/2022
Number of Days to Update: 83

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/24/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/04/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/02/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 85

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 76
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/02/2021
Date Made Active in Reports: 02/17/2022
Number of Days to Update: 77

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/25/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/10/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/03/2022
Number of Days to Update: 79

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 02/02/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 79

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/21/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 84

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/29/2021
Date Data Arrived at EDR: 12/07/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 79

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 78

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/14/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DUKE - TENNESSEE/KANSAS
301 TENNESSEE AVE
REDLANDS, CA 92373

TARGET PROPERTY COORDINATES

Latitude (North):	34.056446 - 34ˆ 3’ 23.21’’
Longitude (West):	117.201214 - 117ˆ 12’ 4.37’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	481430.2
UTM Y (Meters):	3768238.2
Elevation:	1266 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12014994 REDLANDS, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

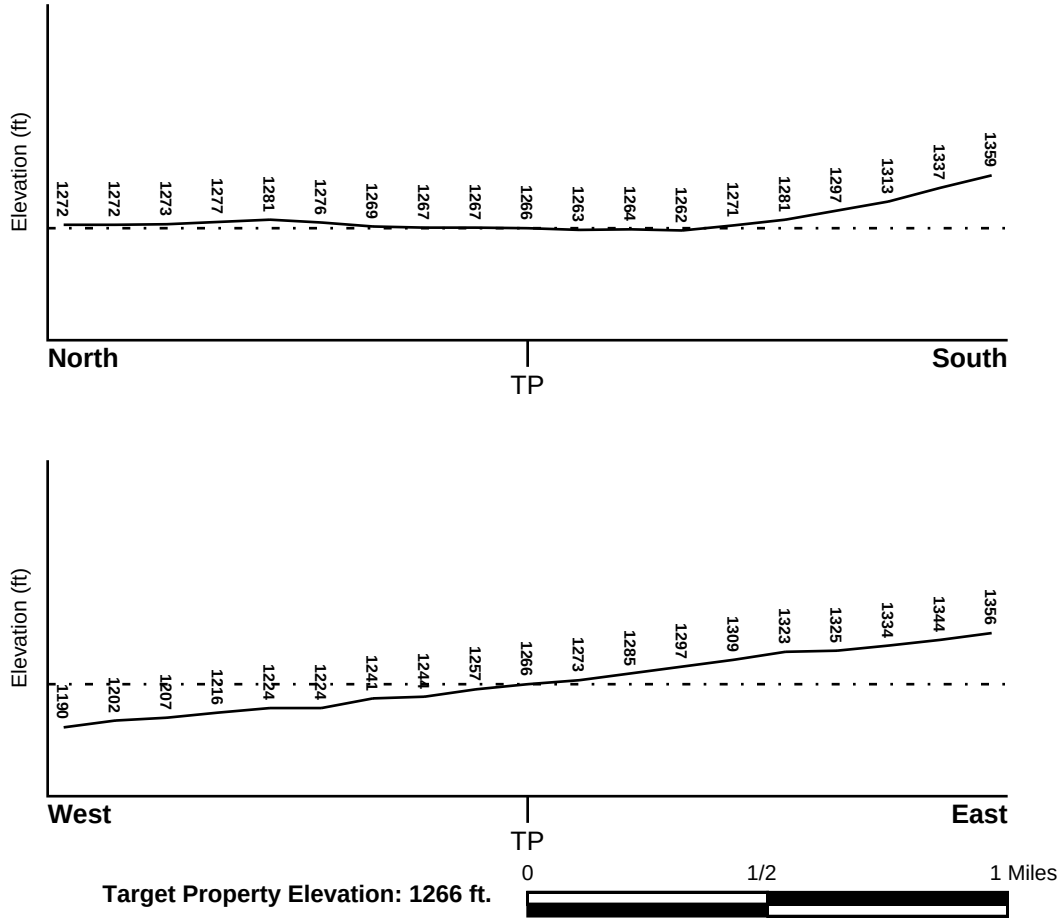
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1266 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C0090G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C8704H	FEMA FIRM Flood data
06071C8708H	FEMA FIRM Flood data
06071C8716H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
H32	1/2 - 1 Mile South	WNW
1G	1/2 - 1 Mile South	WNW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

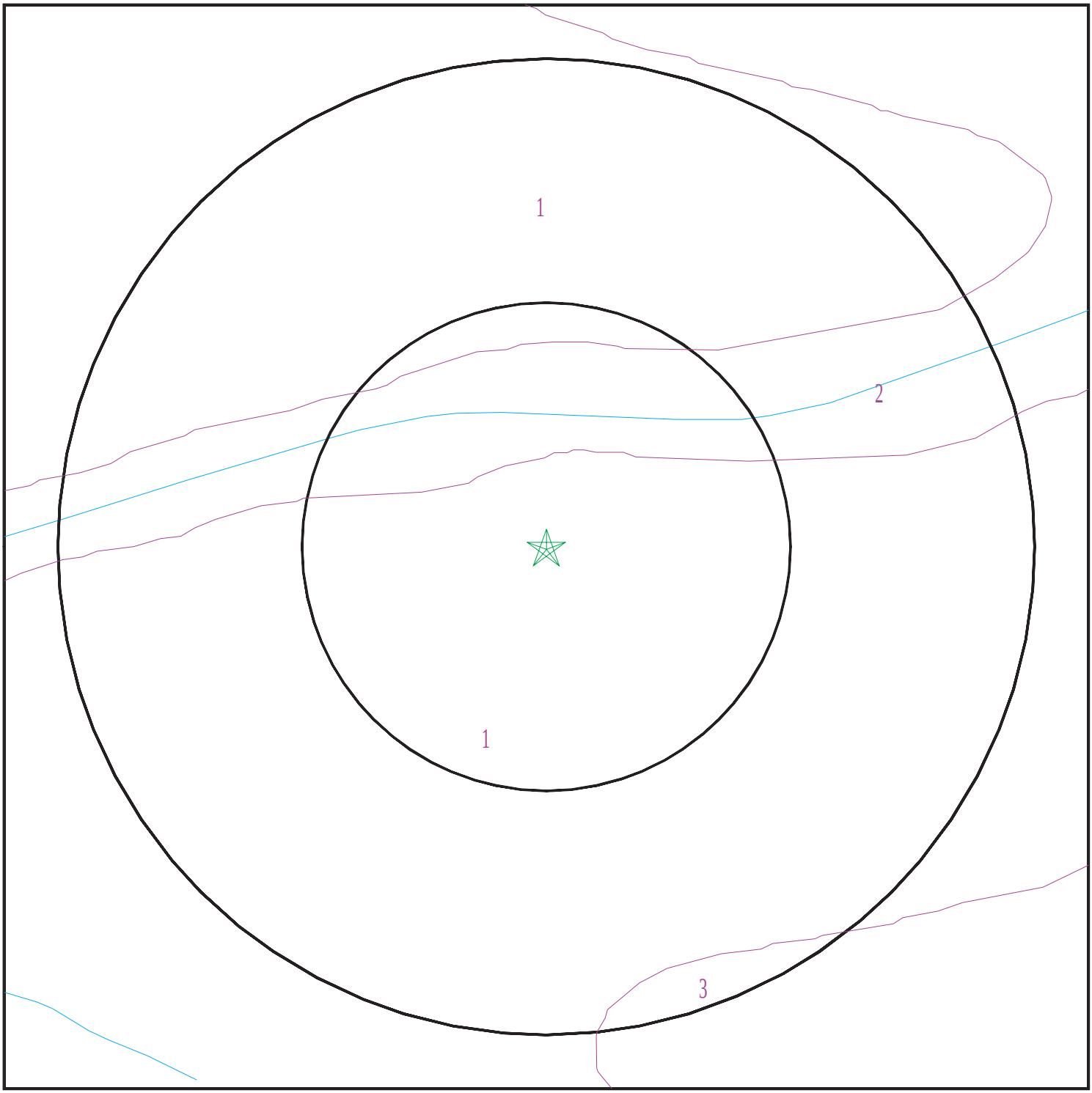
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6882471.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Duke - Tennessee/Kansas	CLIENT:	Roux Associates
ADDRESS:	301 Tennessee Ave Redlands CA 92373	CONTACT:	Justin Allen
		INQUIRY #:	6882471.2s
LAT/LONG:	34.056446 / 117.201214	DATE:	March 03, 2022 8:01 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

Soil Map ID: 3

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.6
2	16 inches	50 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.6
3	50 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000140292	1/4 - 1/2 Mile NW
A3	USGS40000140291	1/4 - 1/2 Mile NW
4	USGS40000140303	1/4 - 1/2 Mile NE
B8	USGS40000140343	1/4 - 1/2 Mile North
C11	USGS40000140194	1/4 - 1/2 Mile ESE
16	USGS40000140405	1/4 - 1/2 Mile North
E18	USGS40000140193	1/2 - 1 Mile East
23	USGS40000140227	1/2 - 1 Mile West
F25	USGS40000140280	1/2 - 1 Mile East
G28	USGS40000140406	1/2 - 1 Mile NW
29	USGS40000140256	1/2 - 1 Mile East
30	USGS40000140236	1/2 - 1 Mile West
31	USGS40000140444	1/2 - 1 Mile North
I36	USGS40000140058	1/2 - 1 Mile South
38	USGS40000140360	1/2 - 1 Mile WNW
J40	USGS40000140224	1/2 - 1 Mile West
K43	USGS40000140474	1/2 - 1 Mile North
J46	USGS40000140213	1/2 - 1 Mile West
J47	USGS40000140212	1/2 - 1 Mile West
48	USGS40000140262	1/2 - 1 Mile West
49	USGS40000140248	1/2 - 1 Mile East
L52	USGS40000140508	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

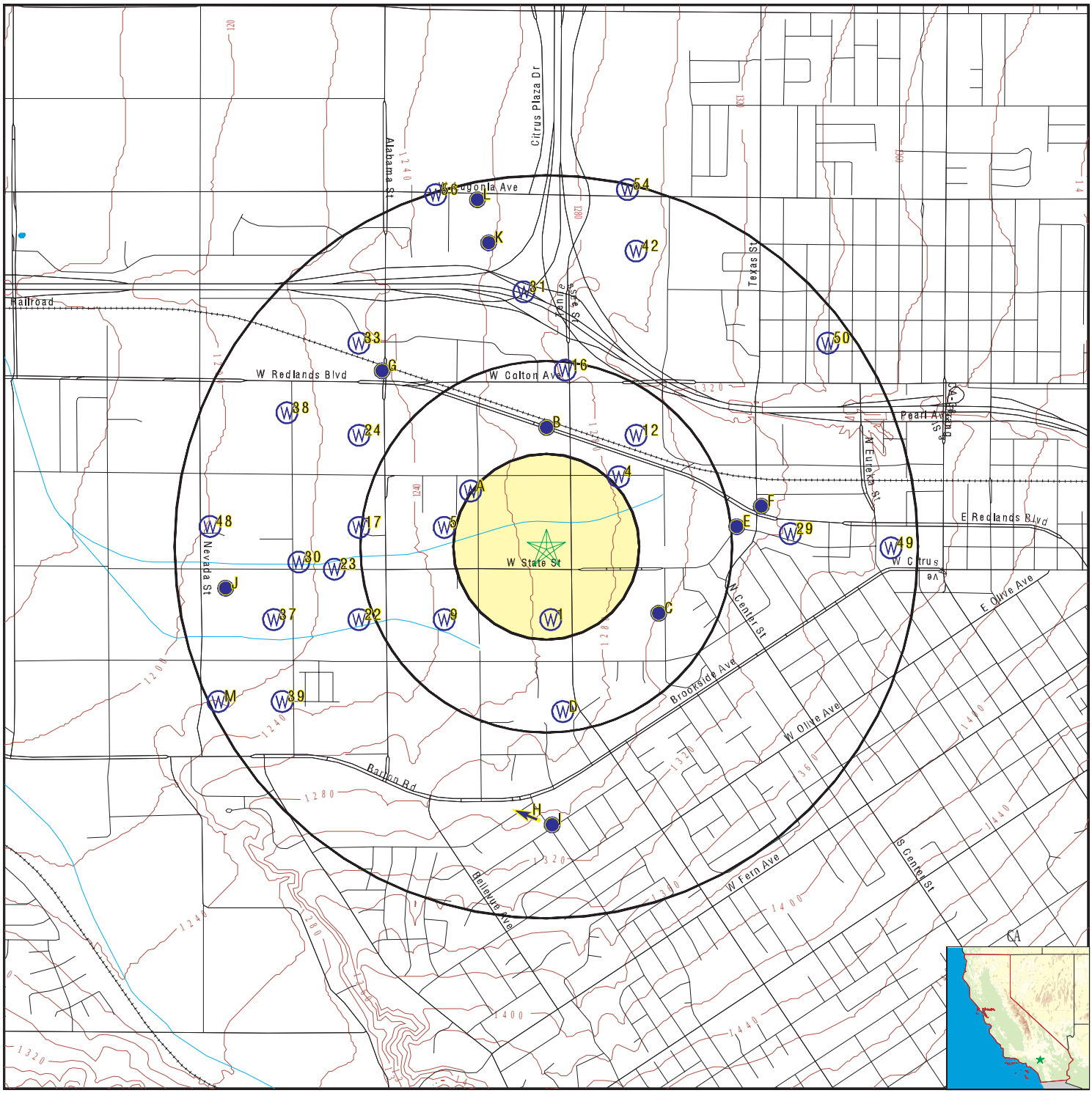
MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000013477	1/8 - 1/4 Mile South
5	CADWR0000002580	1/4 - 1/2 Mile West
B6	CADWR0000031427	1/4 - 1/2 Mile North
B7	CADWR9000006569	1/4 - 1/2 Mile North
9	CADWR0000021770	1/4 - 1/2 Mile SW
C10	CADWR9000006523	1/4 - 1/2 Mile ESE
12	CADWR0000014324	1/4 - 1/2 Mile NE
D13	829	1/4 - 1/2 Mile South
D14	CADDW0000006490	1/4 - 1/2 Mile South
E15	CADWR0000024334	1/4 - 1/2 Mile East
17	CADWR0000018210	1/2 - 1 Mile West
E19	CAUSGSN00016095	1/2 - 1 Mile East
E20	CAUSGS000002446	1/2 - 1 Mile East
E21	CADWR9000006552	1/2 - 1 Mile East
22	CADWR0000027467	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
24	CADWR0000007439	1/2 - 1 Mile WNW
F26	CAUSGSN00015268	1/2 - 1 Mile East
G27	CAUSGSN00006873	1/2 - 1 Mile NW
33	CADWR0000030194	1/2 - 1 Mile NW
I34	CADWR0000011130	1/2 - 1 Mile South
H35	CADWR9000006473	1/2 - 1 Mile South
37	CADWR0000030921	1/2 - 1 Mile WSW
39	CADDW0000006318	1/2 - 1 Mile WSW
K41	CAUSGSN00011123	1/2 - 1 Mile North
42	CADWR0000000222	1/2 - 1 Mile NNE
J44	CAUSGSN00008665	1/2 - 1 Mile West
J45	CAUSGSN00008037	1/2 - 1 Mile West
50	CADWR0000005059	1/2 - 1 Mile NE
L51	CAUSGSN00018297	1/2 - 1 Mile North
M53	CADDW0000020145	1/2 - 1 Mile WSW
54	CADPR0000005112	1/2 - 1 Mile NNE
M55	CADDW0000000257	1/2 - 1 Mile WSW
56	CAUSGSN00019035	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 6882471.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Duke - Tennessee/Kansas	CLIENT:	Roux Associates
ADDRESS:	301 Tennessee Ave Redlands CA 92373	CONTACT:	Justin Allen
		INQUIRY #:	6882471.2s
LAT/LONG:	34.056446 / 117.201214	DATE:	March 03, 2022 8:01 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000013477**

Well ID:	01S03W28L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28L001S&store_num=		
GeoTracker Data:	Not Reported		

A2
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000140292**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28E003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	284
Well Depth Units:	ft	Well Hole Depth:	284
Well Hole Depth Units:	ft		

A3
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000140291**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28E002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19350101	Well Depth:	330
Well Depth Units:	ft	Well Hole Depth:	342
Well Hole Depth Units:	ft		

4
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000140303**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28B001S	Type:	Well

Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19320101	Well Depth:	283
Well Depth Units:	ft	Well Hole Depth:	412
Well Hole Depth Units:	ft		

5
West
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000002580**

Well ID:	01S03W28E002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28E002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28E002S&store_num=		
GeoTracker Data:	Not Reported		

B6
North
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000031427**

Well ID:	01S03W28C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28C001S&store_num=		
GeoTracker Data:	Not Reported		

B7
North
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000006569**

State Well #:	01S03W28C001S	Station ID:	27319
Well Name:	Not Reported	Basin Name:	San Bernardino
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B8
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000140343**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1928	Well Depth:	309
Well Depth Units:	ft	Well Hole Depth:	309
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	40	Level reading date:	2004-10-26
Feet below surface:	165.74	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-04-21	Feet below surface:	154.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	154.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-23	Feet below surface:	142.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-30	Feet below surface:	146.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-08	Feet below surface:	132.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-24	Feet below surface:	129.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-17	Feet below surface:	111.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	116.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-12	Feet below surface:	103.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-18	Feet below surface:	102.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-15	Feet below surface:	89.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-22	Feet below surface:	98.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-06	Feet below surface:	99.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-28	Feet below surface:	112.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	109.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-24	Feet below surface:	99.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-10-25	Feet below surface:	109.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-18	Feet below surface:	104.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-25	Feet below surface:	125.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-18	Feet below surface:	120.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-19	Feet below surface:	139.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-13	Feet below surface:	143.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-29	Feet below surface:	160.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-12	Feet below surface:	152.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	153.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-17	Feet below surface:	143.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-03	Feet below surface:	140.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-27	Feet below surface:	131.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-01	Feet below surface:	124.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-22	Feet below surface:	111.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-05	Feet below surface:	103.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-08	Feet below surface:	90.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	91.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-25	Feet below surface:	126.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-21	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1936-07-31	Feet below surface:	127.6
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1936-04-14	Feet below surface:	108.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.

Level reading date:	1928-06-09	Feet below surface:	69.7
Feet to sea level:	Not Reported	Note:	Not Reported

9
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000021770**

Well ID:	01S03W28M003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28M003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28M003S&store_num=		
GeoTracker Data:	Not Reported		

C10
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000006523**

State Well #:	01S03W28J001S	Station ID:	49175
Well Name:	New York Well	Basin Name:	San Bernardino
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	548	Well Completion Rpt #:	Not Reported

C11
ESE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000140194**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28K001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19650101	Well Depth:	850
Well Depth Units:	ft	Well Hole Depth:	885
Well Hole Depth Units:	ft		

12
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000014324**

Well ID:	01S03W28B001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28B001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28B001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D13
South
1/4 - 1/2 Mile
Higher

CA WELLS **829**

Seq:	829	Prim sta c:	01S/03W-28K01 S
Frds no:	3610037028	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	NEW YORK STREET WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340300.0	Longitude:	1171200.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610037	System nam:	Redlands City Mud-Water Div
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		

D14
South
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000006490**

Well ID:	3610037-028	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	NEW YORK STREET WELL - INACTIVE		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610037-028&store_num=		
GeoTracker Data:	Not Reported		

E15
East
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000024334**

Well ID:	01S03W28H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W28H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W28H001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

16
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000140405**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21P002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19150101	Well Depth:	212
Well Depth Units:	ft	Well Hole Depth:	212
Well Hole Depth Units:	ft		

17
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000018210**

Well ID:	01S03W29H003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W29H003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W29H003S&store_num=		
GeoTracker Data:	Not Reported		

E18
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000140193**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28H001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	474
Well Depth Units:	ft	Well Hole Depth:	474
Well Hole Depth Units:	ft		

E19
East
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00016095**

Well ID:	USGS-340314117112801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340314117112801	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340314117112801&store_num=
GeoTracker Data: Not Reported

E20
East
1/2 - 1 Mile
Higher

CA WELLS **CAUSGS000002446**

E21
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000006552**

State Well #:	01S03W28H001S	Station ID:	46647
Well Name:	Well #41	Basin Name:	San Bernardino
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	474	Well Completion Rpt #:	NA

22
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000027467**

Well ID:	01S03W29J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W29J001S	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W29J001S&store_num=
GeoTracker Data: Not Reported

23
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140227**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29J001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19030101	Well Depth:	638
Well Depth Units:	ft	Well Hole Depth:	660
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

24
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000007439**

Well ID:	01S03W29A002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W29A002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W29A002S&store_num=		
GeoTracker Data:	Not Reported		

F25
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000140280**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W27E001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19260101	Well Depth:	365
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

F26
East
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00015268**

Well ID:	USGS-340329117112501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340329117112501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340329117112501&store_num=		
GeoTracker Data:	Not Reported		

G27
NW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00006873**

Well ID:	USGS-340348117122901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340348117122901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340348117122901&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
G28 **NW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000140406**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W20R001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19200101	Well Depth:	301
Well Depth Units:	ft	Well Hole Depth:	318
Well Hole Depth Units:	ft		

	Database	EDR ID Number
29 **East** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000140256**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W27E002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	390
Well Depth Units:	ft	Well Hole Depth:	390
Well Hole Depth Units:	ft		

	Database	EDR ID Number
30 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000140236**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29H002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19130101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	105
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
31 **North** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000140444**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21P001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19350101	Well Depth:	356
Well Depth Units:	ft	Well Hole Depth:	368
Well Hole Depth Units:	ft		

H32 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083600665T WNW 110 120 Not Reported 08/17/1992	**AQUIFLOW**	**54856**

	Database	EDR ID Number
33 **NW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000030194**

Well ID:	01S03W20R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W20R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W20R002S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
I34 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR0000011130**

Well ID:	01S03W33C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W33C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W33C001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H35
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000006473**

State Well #:	01S03W33C001S	Station ID:	6725
Well Name:	Not Reported	Basin Name:	San Bernardino
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

I36
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000140058**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W33C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1899	Well Depth:	264
Well Depth Units:	ft	Well Hole Depth:	462
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	169	Level reading date:	2004-10-18
Feet below surface:	154.45	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-04-21	Feet below surface:	146.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	143.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-24	Feet below surface:	138.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-30	Feet below surface:	137.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-08	Feet below surface:	131.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-24	Feet below surface:	129.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-17	Feet below surface:	123.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	125.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-12	Feet below surface:	121.25
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-10-18	Feet below surface:	121.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-15	Feet below surface:	119.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-22	Feet below surface:	123.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-06	Feet below surface:	123.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-28	Feet below surface:	128.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	126.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	130.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-24	Feet below surface:	129.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-25	Feet below surface:	134.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-18	Feet below surface:	135.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-25	Feet below surface:	141.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-20	Feet below surface:	142.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-19	Feet below surface:	149.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-12	Feet below surface:	147.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-29	Feet below surface:	150.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-12	Feet below surface:	146.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	159.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-17	Feet below surface:	138.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-03	Feet below surface:	134.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-25	Feet below surface:	129.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-01	Feet below surface:	124.95
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1989-09-21	Feet below surface:	123.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-22	Feet below surface:	115.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	111.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-08	Feet below surface:	106.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-16	Feet below surface:	103.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-19	Feet below surface:	101.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-19	Feet below surface:	99.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-20	Feet below surface:	97.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-11	Feet below surface:	141.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-13	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-09	Feet below surface:	143.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-12	Feet below surface:	138.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-13	Feet below surface:	142.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-18	Feet below surface:	144.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-16	Feet below surface:	138.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-15	Feet below surface:	140.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	142.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-19	Feet below surface:	145.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-14	Feet below surface:	147.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-16	Feet below surface:	145.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-12	Feet below surface:	147.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-09-14	Feet below surface:	148.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-10	Feet below surface:	148.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-16	Feet below surface:	142.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-13	Feet below surface:	144.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-15	Feet below surface:	149.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-15	Feet below surface:	148.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-11	Feet below surface:	148.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-21	Feet below surface:	147.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-25	Feet below surface:	141.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-08	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-09	Feet below surface:	144.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-11	Feet below surface:	144.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-14	Feet below surface:	144.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-10	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-11	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-19	Feet below surface:	141.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-17	Feet below surface:	140.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-18	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-15	Feet below surface:	144.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-10	Feet below surface:	143.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-13	Feet below surface:	141.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-07-15	Feet below surface:	145.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-11	Feet below surface:	139.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-15	Feet below surface:	137.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-19	Feet below surface:	141.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-12	Feet below surface:	136.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-13	Feet below surface:	137.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-16	Feet below surface:	138.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-11	Feet below surface:	141.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-13	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-04	Feet below surface:	131.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-29	Feet below surface:	90.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-27	Feet below surface:	92.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-20	Feet below surface:	85.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-04	Feet below surface:	107.0
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1946-04-10	Feet below surface:	76.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-30	Feet below surface:	76.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-15	Feet below surface:	100.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-28	Feet below surface:	73.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-27	Feet below surface:	92.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-10	Feet below surface:	89.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-30	Feet below surface:	74.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1943-12-30	Feet below surface:	79.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-03	Feet below surface:	99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-31	Feet below surface:	77.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-07	Feet below surface:	82.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-03	Feet below surface:	92.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-04	Feet below surface:	93.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-06	Feet below surface:	87.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-03	Feet below surface:	76.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-31	Feet below surface:	77.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-02	Feet below surface:	85.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-02	Feet below surface:	89.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-03	Feet below surface:	88.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-31	Feet below surface:	89.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-29	Feet below surface:	78.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-03	Feet below surface:	80.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-05	Feet below surface:	82.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-04	Feet below surface:	83.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-04	Feet below surface:	85.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-05	Feet below surface:	92.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-07	Feet below surface:	88.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-05	Feet below surface:	88.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1940-08-22	Feet below surface:	105.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-02	Feet below surface:	94.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-22	Feet below surface:	81.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-26	Feet below surface:	82.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-05	Feet below surface:	83.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-03	Feet below surface:	87.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-30	Feet below surface:	89.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-02	Feet below surface:	95.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-30	Feet below surface:	90.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-31	Feet below surface:	104.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-31	Feet below surface:	86.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-25	Feet below surface:	87.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-04	Feet below surface:	91.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-01	Feet below surface:	96.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-29	Feet below surface:	102.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-30	Feet below surface:	101.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-02	Feet below surface:	102.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-04	Feet below surface:	100.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-04	Feet below surface:	99.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-07	Feet below surface:	96.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-02	Feet below surface:	105.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1938-01-03	Feet below surface:	106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-30	Feet below surface:	112.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-11	Feet below surface:	118.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-02	Feet below surface:	119.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-31	Feet below surface:	120.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-26	Feet below surface:	113.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-29	Feet below surface:	102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-01	Feet below surface:	113.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-03-30	Feet below surface:	109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-26	Feet below surface:	114.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-28	Feet below surface:	116.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-12-23	Feet below surface:	118.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-24	Feet below surface:	119.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-28	Feet below surface:	122.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-05-01	Feet below surface:	146.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-24	Feet below surface:	139.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-02-27	Feet below surface:	141.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-12-28	Feet below surface:	146.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-11-29	Feet below surface:	144.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-24	Feet below surface:	150.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-08-27	Feet below surface:	145.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1935-08-02	Feet below surface:	121.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-16	Feet below surface:	108.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-12	Feet below surface:	110.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-03	Feet below surface:	114.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-09-09	Feet below surface:	117.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-07-11	Feet below surface:	110.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-06-10	Feet below surface:	135.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1932-05-09	Feet below surface:	104.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-03-10	Feet below surface:	105.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-02-15	Feet below surface:	107.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-01-09	Feet below surface:	108.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-12-05	Feet below surface:	109.8
Feet to sea level:	Not Reported	Note:	Not Reported

37
WSW **CA WELLS** **CADWR0000030921**
1/2 - 1 Mile
Lower

Well ID:	01S03W29K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W29K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W29K002S&store_num=		
GeoTracker Data:	Not Reported		

38
WNW **FED USGS** **USGS40000140360**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29B003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19440101	Well Depth:	180
Well Depth Units:	ft	Well Hole Depth:	202
Well Hole Depth Units:	ft		

39
WSW **CA WELLS** **CADDW0000006318**
1/2 - 1 Mile
Lower

Well ID:	3610037-060	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 39	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610037-060&store_num=		
GeoTracker Data:	Not Reported		

J40
West **FED USGS** **USGS40000140224**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29K003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	424
Well Depth Units:	ft	Well Hole Depth:	460
Well Hole Depth Units:	ft		

K41
North **CA WELLS** **CAUSGSN00011123**
1/2 - 1 Mile
Lower

Well ID:	USGS-340406117121101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340406117121101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340406117121101&store_num=		
GeoTracker Data:	Not Reported		

42
NNE **CA WELLS** **CADWR0000000222**
1/2 - 1 Mile
Higher

Well ID:	01S03W21K001S	Well Type:	UNK
Source:	Department of Water Resources		

Other Name:	01S03W21K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W21K001S&store_num=		
GeoTracker Data:	Not Reported		

K43
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000140474**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	SANDYS RESTURANT	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

J44
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008665**

Well ID:	USGS-340317117125601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340317117125601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340317117125601&store_num=		
GeoTracker Data:	Not Reported		

J45
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008037**

Well ID:	USGS-340317117125602	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340317117125602	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340317117125602&store_num=		
GeoTracker Data:	Not Reported		

J46
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140213**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center
Monitor Location:	HOLE-05 LYSIMETER AT 100

Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

J47
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140212**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-05 LYSIMETER AT 40		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

48
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140262**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29G001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	216
Well Hole Depth Units:	ft		

49
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000140248**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W27F001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19090101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	200
Well Hole Depth Units:	ft		

50
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000005059**

Well ID:	01S03W22N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S03W22N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S03W22N001S&store_num=		
GeoTracker Data:	Not Reported		

L51
North
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00018297**

Well ID:	USGS-340412117121301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340412117121301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340412117121301&store_num=		
GeoTracker Data:	Not Reported		

L52
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000140508**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21M002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19280101	Well Depth:	270
Well Depth Units:	ft	Well Hole Depth:	304
Well Hole Depth Units:	ft		

M53
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000020145**

Well ID:	3610037-053	Well Type:	MUNICIPAL
Source:	Department of Health Services		

Other Name: WELL 38 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610037-053&store_num=
GeoTracker Data: Not Reported

54
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADPR0000005112**

Well ID: 85208 Well Type: UNK
Source: Department of Pesticide Regulation
Other Name: 85208 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=85208&store_num=
GeoTracker Data: Not Reported

M55
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000000257**

Well ID: 3610013-007 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: NICKS WELL - INACTIVE (SOLD TO COUNTY)
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610013-007&store_num=
GeoTracker Data: Not Reported

56
NNW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00019035**

Well ID: USGS-340413117122001 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-340413117122001 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340413117122001&store_num=
GeoTracker Data: Not Reported

1G
South
1/2 - 1 Mile
Lower

Site ID: 083600665T
Groundwater Flow: WNW
Shallow Water Depth: 110
Deep Water Depth: 120
Average Water Depth: Not Reported
Date: 08/17/1992

AQUIFLOW **54856**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92373	29	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX G

Photographic Log



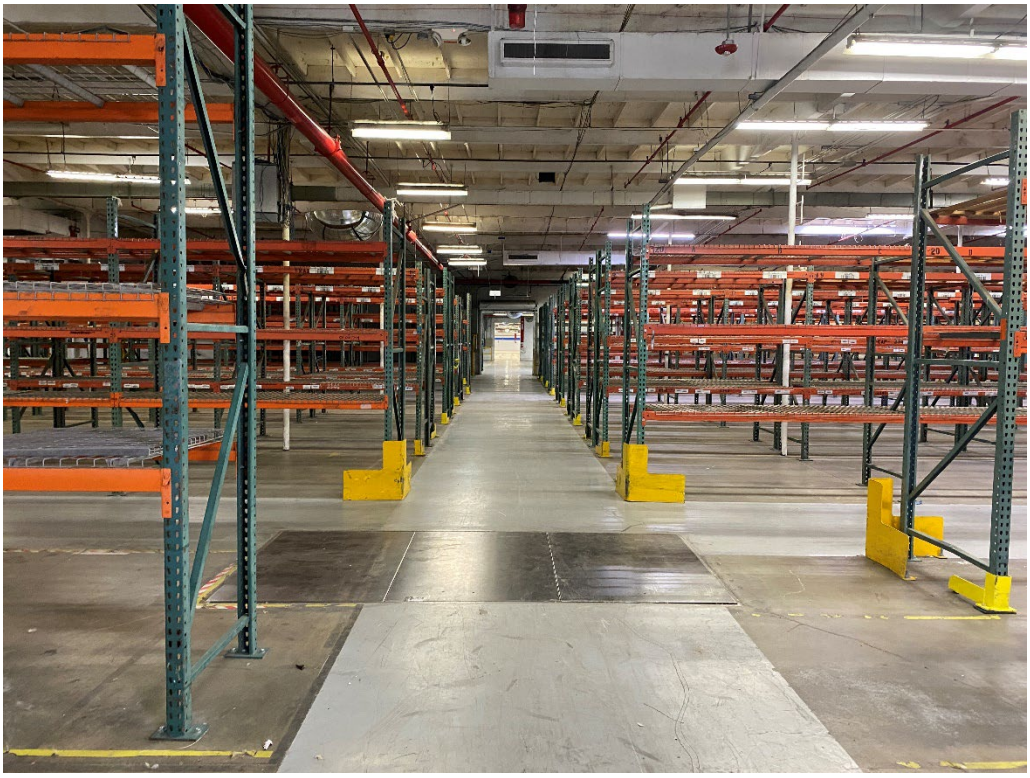
G-1. Font side of Former La-Z-Boy facility, Building 1, looking from west from Tennessee Street (03/15/2022).



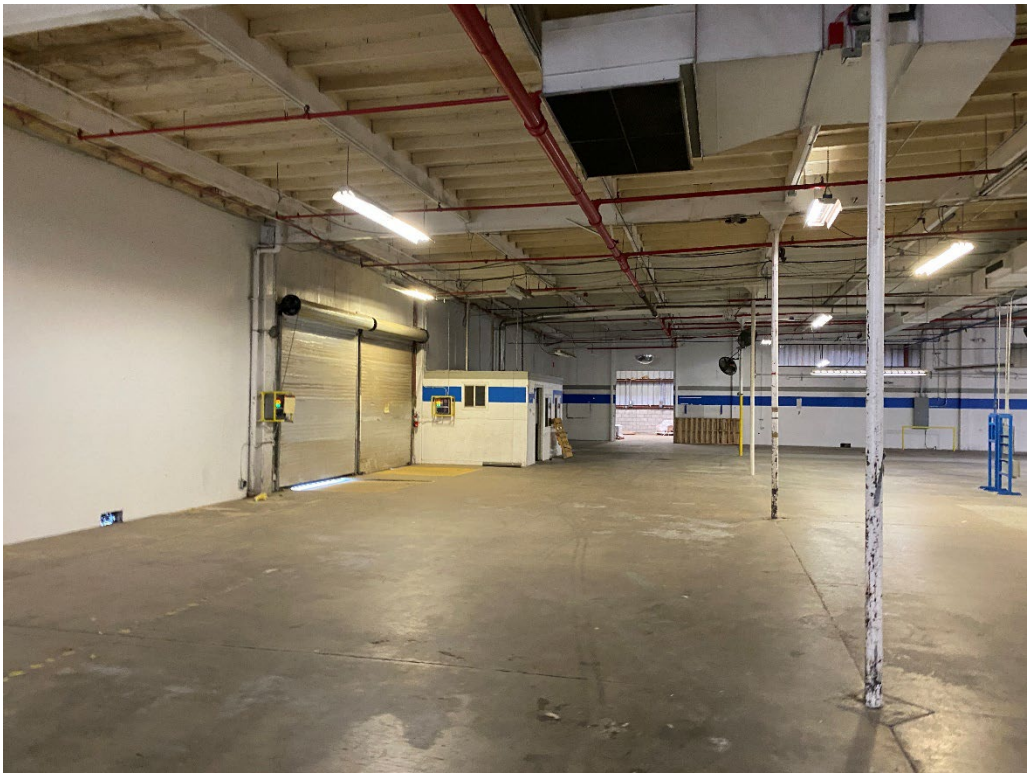
G-2. Entry gate into Parcel 1, located along Tennessee Street (03/15/2022).



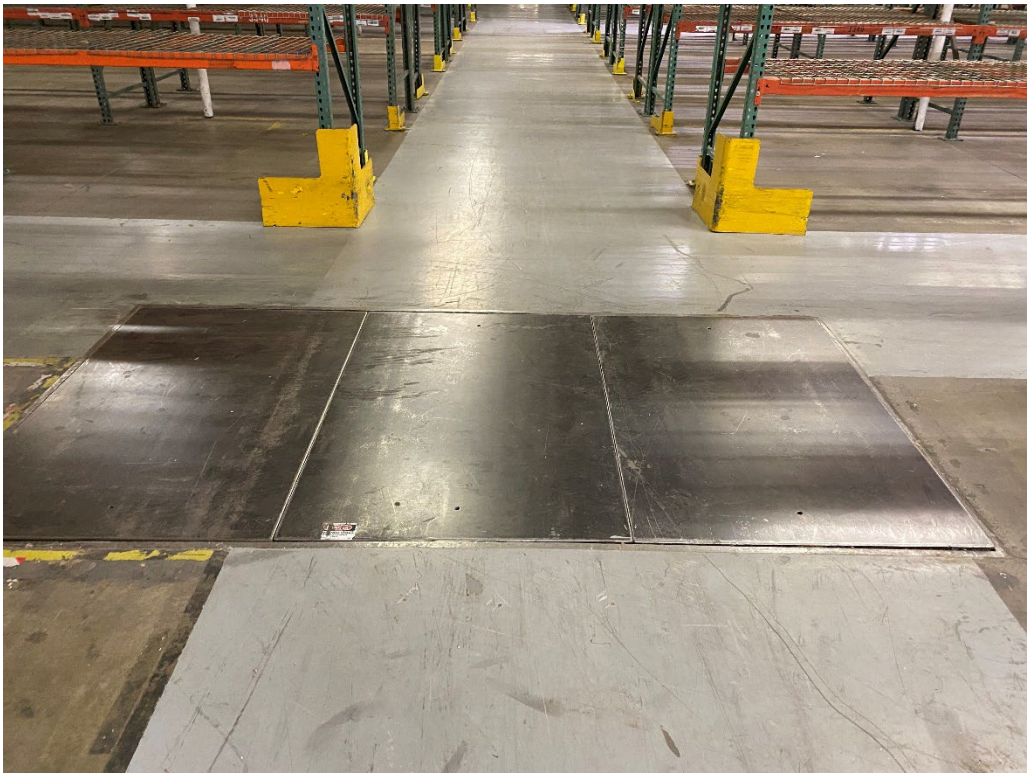
G-3. Back-side entry of Building 1, west side (03/15/2022).



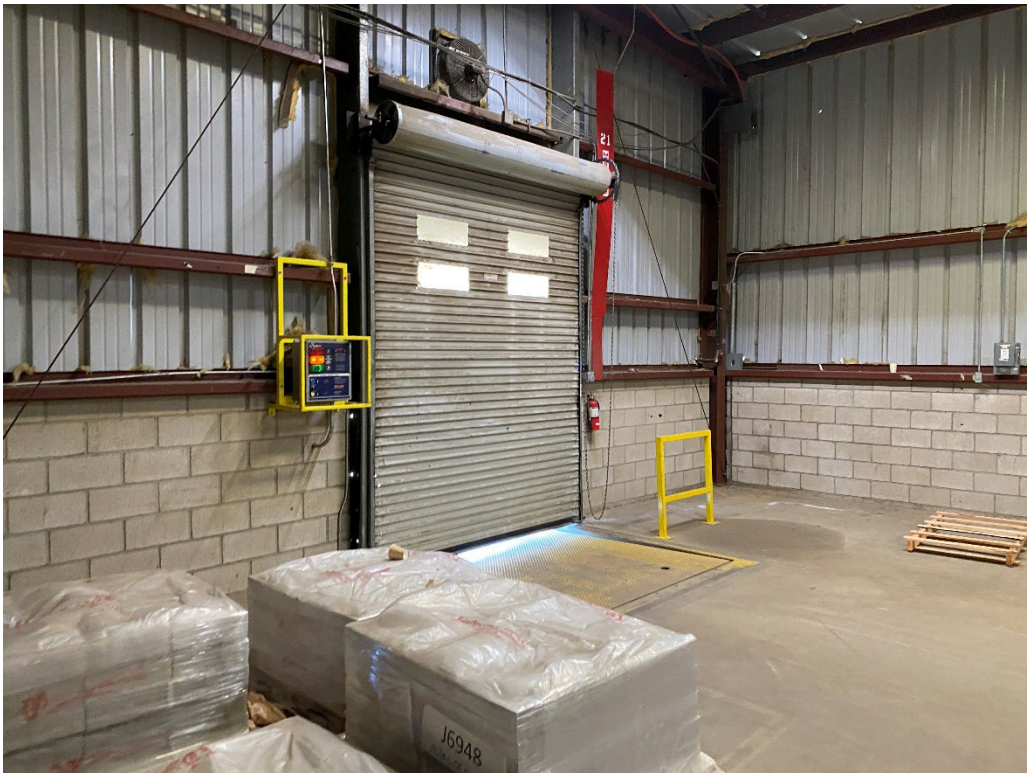
G-4. Former storage racks in Building 1, western portion (03/15/2022).



G-5. Northwest corner of Building 1 (03/15/2022).



G-6. Electrical utility box located in the western portion of Building 1 (03/15/2022).



G-7. Roll up door in northwest corner of Building 1 (03/15/2022).



G-8. Eastern warehouse portion of Building 1, now vacant of all former operations and equipment (03/15/2022).



G-9. Utility vault located in the northern portion of Building 1. It is taped up by others who have identified it as a potential conduit for vapor intrusion (03/15/2022).



G-10. Marks in the floor from former equipment located in Building 1 (03/15/2022).



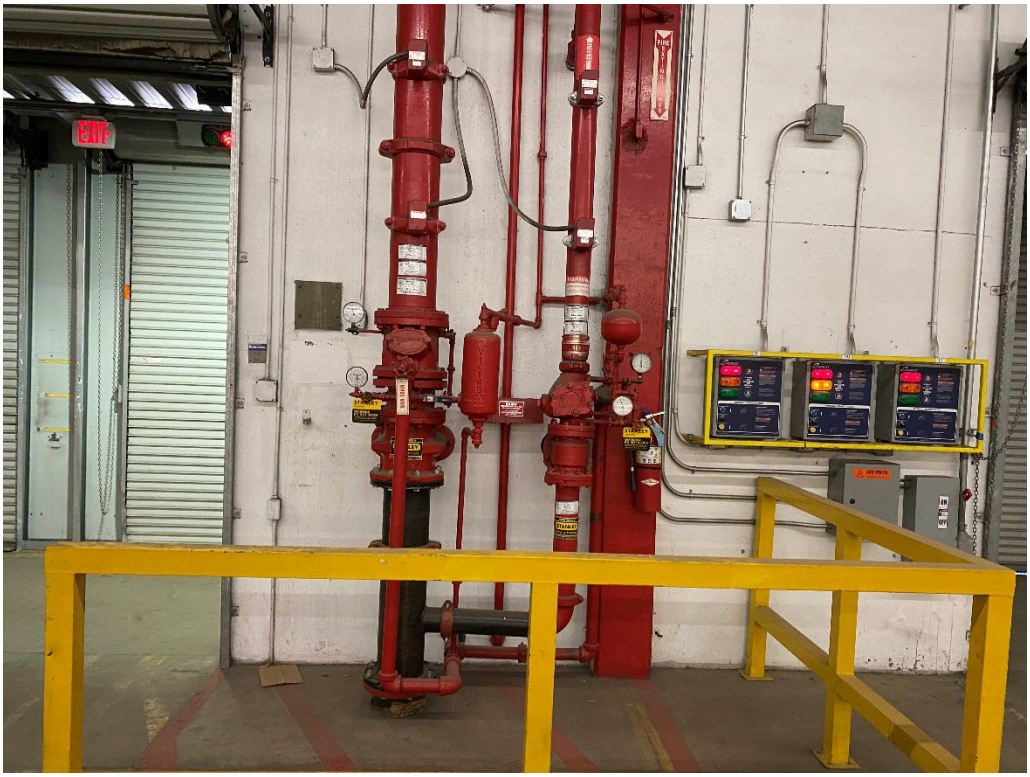
G-11. Overhead utilities in Building 1, including HVAC (03/15/2022).



G-12. Utilities pit located in the northern portion of Building 1. It is covered with plastic for recent indoor air sampling events (03/15/2022).



G-13. Utilities pit located in the northern portion of Building 1. It is covered with plastic for recent indoor air sampling events (03/15/2022).



G-14. Fire water line located in the western portion of Building 1 (03/15/2022).



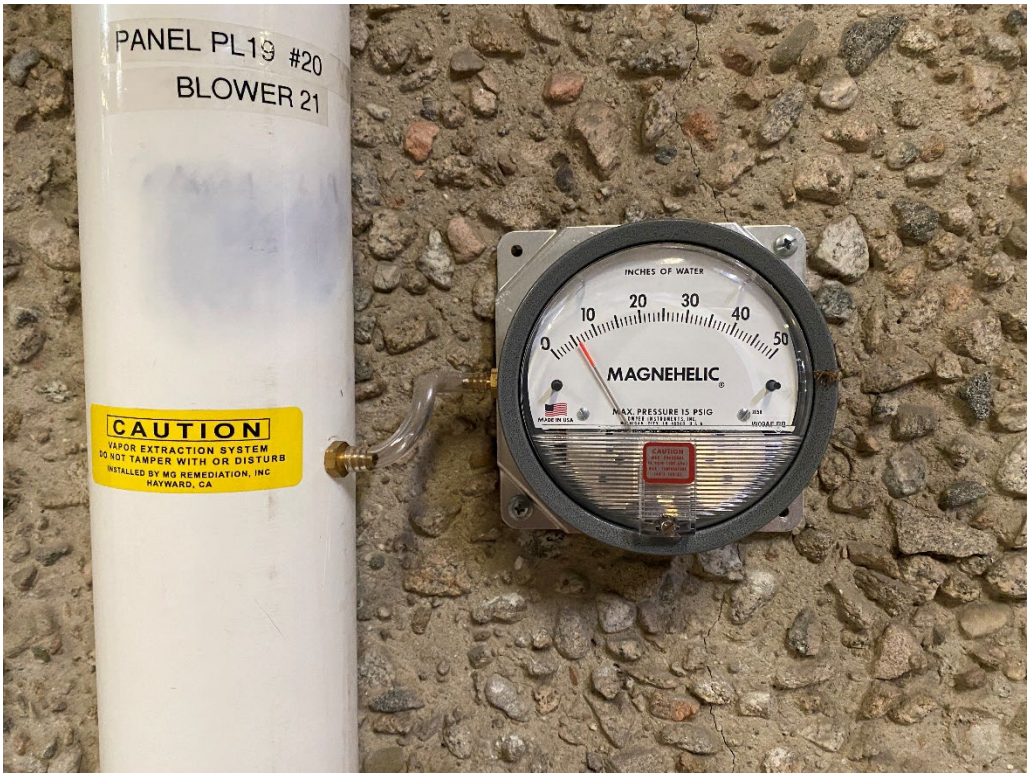
G-15. Office space in the eastern portion of Building 1 (03/15/2022).



G-16. Cafeteria area in the southeast portion of Building 1 (03/15/2022).



G-17. Example of installed sub-slab depressurization system (SSDS) located in Building 1, see rectangular saw cut and white PVC pipe on wall (03/15/2022).



G-18. Vent riser piping and magnehelic gauge (03/15/2022).



G-19. Electrical room in Building 1 (03/15/2022).



G-20. HVAC unit in Building 1 (03/15/2022).



G-21. Electrical transformer and equipment in Building 1 (03/15/2022).



G-22. Electrical transformer and equipment in Building 1 (03/15/2022).



G-23. Removed roofing insulation piled up outside Building 1 (03/15/2022).



G-24. Loading docks located at the southwest corner of Building 1 (03/15/2022).



G-25. 55-gallon drums containing investigation derived waste (IDW) from GSI investigation (03/15/2022).



G-26. Building 2, located in the northwest corner of Parcel 1 (03/15/2022).



G-27. Interior of Building 2 (03/15/2022).



G-28. Compressor tank located inside garage area of Building 3 (03/15/2022).



G-29. Roofing insulation piled outside the northern portion of Building 1 (03/15/2022).



G-30. Monitoring Well-1 located north of Building 1 (03/15/2022).



G-31. Photo description (03/15/2022).



G-32. Residential structure at 360 Kansas Street, located in the west side of Parcel 2 (03/15/2022).



G-33. View looking east. Channel in foreground and bus located on Parcel 2 in the background (03/15/2022).



G-34. Santa Ana tributary, former Mission Zanja historical irrigation channel located north of the Site. View looking east (03/15/2022).



G-35. Rear portion of the residence on Parcel 2. Two sheet-metal structures in the background and front-loader buckers in the foreground (03/15/2022).



G-36. Larger sheet metal garage structure, reportedly used for masonry supplies (03/15/2022).



G-37. Front loader stored at the rear of the residence on Parcel 2 (03/15/2022).



G-38. 5-gallon buckets staged near the front loader on Parcel 2 (03/15/2022).



G-39. 55-gallon drums stored near the front-loader on Parcel 2 (03/15/2022).



G-40. Fence separating Parcel 2. Left side is vacant formerly used by La-Z-Boy (03/15/2022).



G-41. Heavy equipment buckets and storage containers located in the rear portion of Parcel 2 (03/15/2022).



G-42. Vacant portion of Parcel 2, east side, with Building 2 on Parcel 1 in the background (03/15/2022).

APPENDIX H

Pertinent Regulatory Records

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:10 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1756989
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: CW08 COURTNEY WATTS
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 05/07/2019
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
00982B	E2560B	04/06/1978	INACTIVE	000202	BCAT	SPRAY EQUIPMENT OPEN	01/01/1990	PERMIT TO OPERATE GRANTED
00982B	E2560B	04/06/1978	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
00983B	E2559B	04/06/1978	INACT_NR	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
00983B	E2559B	04/06/1978	INACT_NR	000202	BCAT	SPRAY EQUIPMENT OPEN	01/01/1990	PERMIT TO OPERATE GRANTED
02262E	E04549	04/01/1981	INACT_NR	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02263E	E04550	04/01/1981	INACT_NR	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02264E	E04551	04/01/1981	INACT_NR	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02265E	E04552	04/01/1981	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02266E	E04553	04/01/1981	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	01/01/1990	PERMIT TO OPERATE GRANTED
02428E	E04632	05/11/1981	INACTIVE	268350	BCAT	PAINTS DRYING	01/01/1990	PERMIT TO OPERATE GRANTED
108042	M38871	06/15/1984	INACT_NR	000224	BCAT	DEGREASER METHYLENE CHLORIDE (>1lbVOC/d)	03/16/1983	PERMIT TO OPERATE GRANTED
166988	D12365	11/29/1989	INACTIVE	000205	BCAT	DIP TANK COATING PAINT	03/09/1988	PERMIT TO OPERATE GRANTED
182075	D12366	11/29/1989	INACTIVE	000265	BCAT	OVEN, DRYING	12/22/1988	PERMIT TO OPERATE GRANTED
249606	D45019	11/07/1991	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	05/24/1991	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:19 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1756989
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: CW08 COURTNEY WATTS
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 05/07/2019
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 5/7/19 at 1115 hours, I arrived at the facility to conduct a compliance inspection. I met with Sean Elkin, Acting Manager (909) 793-3204, Benjamin Galaz, Maintenance Manager (909) 478-3108, who accompanied during the inspection. This facility is a manufacturing facility with 5 active permits, Rule 1168 applies. I observed the following during the inspection:

P/O: E04549 - PSB #1
7'H x 8'W x 6'T w/ 16 20" x 20" filters. Binks Mach 1SL HVLP,

P/O: E04550 - PSB #2
7'H x 8'W x 6'T w/ 16 20" x 20" filters. Binks Mach 1SL HVLP,

Both booths did not match the permit description and did not have the 16 20" x 20" filters (NC E48359).

P/O: E04551 - PSB #3
Removed from the facility

P/O: E02559 - PSB #4
Removed from the facility

The facility uses Applied Products, CFB 100, 0.02 pounds per gallon of volatile organic compound (VOC), was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon. A MSDS was provided to demonstrate compliance.

There is a hot melt Henkel-34-728A they sometimes use to glue repairs - 0 VOCs per MSDS.
Mr. Galaz provided me with a printout of the material and VOC usage summary of the adhesive purchased in the last two years. The facility receives about 2,100 lbs. of adhesive every few months. The facility averages 30 lbs. of VOC emissions per year.

I departed the facility at 1215 hours.

C. Watts
5/16/19

Reviewed by SB06

On 6/6/19 I received an email from Mrs. Weast with pictures showing the exhaust filters in accordance with the permit description.

C. Watts 6/11/19

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:19 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1401036
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: HR01 HAROLD RANK
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 09/27/2013
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 9/27/2013, from 0815-1000 hrs., I arrived at this facility and conducted an E/L inspection. I met with Steve Goodwin, Manager, 909 793-3204 x2245, who escorted me during my inspection and his staff. He has been at the facility for a few weeks. This is a manufacturing facility. The rules that apply are 1168.

E04549 - PSB #1 - 7'H x 8'W x 6'T w/ 16 20" x 20" filters. No thru-put limits. Binks Mach 1SL HVLP.

E04550 - PSB #2 - 7'H x 8'W x 6'T w/ 16 20" x 20" filters. No thru-put limits. Binks Mach 1SL HVLP.

E04551 - PSB #3 - Removed from the facility

E02559 - PSB #4 - Removed from the facility

R1168 - The adhesive used in the booths is still Applied Products, CFB 100, 0.02 pounds per gallon of volatile organic compound (VOC), was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon. A MSDS was provided to demonstrate compliance.

R1168 - There is a hot melt Henkel-34-728A they sometimes use to glue repairs - 0 VOCs per MSDS.

Mr. Goodwin provided me with the computerized printouts of the material and VOC usage summary of the adhesive purchases for the most recent four years. The facility generally receives approximately 2,000 lbs of adhesive every couple of months. Their VOC records still show they are still less than 2.0 lbs. a month VOC emissions. The yearly average of VOC emissions was approximately 30 lbs.

I issued N/C E20966 under H/S 42303 for an updated MSDS for the WAX emulsion they sometimes use to slip covers on foam products. I received it a short time later and it showed .02 #/gal VOC. Lubricants are exempt and as such only apply to a facility VOC cap. In this case there are none.

Hr 11/13/2013

Reviewed by K. Melville 1/16/14

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:20 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1265605
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: AR05 AMANDA SANDERS
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 10/18/2011
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 10/18/11, at 1021 hours, I arrived at LA-Z-Boy West (facility Id# 24248). The facility was located at 301 Tennessee Street in the City of Redlands. I met with Marcia Murillo, Safety Manager Environmental Health (909.793.3204; Marcia.murillo@la-z-boy.com).

I inspected the facility with the following results:

Spray Booth P/O E04549; spray booth "1"

[The spray booth was operating at the time of the inspection; manometer read 0.10" W.C., heard fan working]

1.The spray booth on site matched the description on the P/O;

2.A single exhaust filter was installed that completely covered the area that would be covered by 16 20" x 20" exhaust filters;

3.The gun, Binks Mach 1SL, was high volume low pressure (HVLP) and cleaned with water;

4.The adhesive, Applied Products, CFB 100, 0.02 pounds per gallon of volatile organic compound (VOC), was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon. A MSDS was provided to verify compliance;

5.The monthly VOC emissions records were not available (NC E11909);

6.A copy of the P/O was posted by.

Spray Booth P/O E04550; spray booth "2"

[The spray booth was operating at the time of the inspection; manometer read 0.03" W.C., fan was on, loud operational sound]

1.The spray booth on site matched the description on the P/O;

2.A single exhaust filter was installed correctly;

3.The gun, Binks Mach 1SL, was HVLP and cleaned with water;

4.The adhesive, Applied Products, CFB 100, 0.02 pounds per gallon of VOC, was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon. A MSDS was provided to demonstrate compliance;

5.The monthly VOC emissions records were not available (NC E11909);

6.A copy of the P/O was posted by.

Spray Booth P/O E04551

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:20 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1265605
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: AR05 AMANDA SANDERS
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 10/18/2011
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

[The spray booth had been removed from the facility]

Spray Booth P/O E02559

[The spray booth had been removed from the facility]

I was informed by Ms. Murillo that the facility kept the spray booth permits active in case the facility may want to install and operated the units on site again.

Ms. Murillo was new in her position (the Environmental Safety Mgr retired in the last year). She stated that she was unaware of the daily or monthly record keeping required by the operation of the spray booths (rule 109 record keeping requirements). I informed Ms. Murillo of AQMD Rules 1168 and 109. I also informed her that I would send her a sample record keeping form by email (along with the VOC calculations). I issued Notice to Comply (NC) E11909 to LA-Z-Boy West and personally served the notice to Ms. Murillo. The notice required that the facility provide the most recent two years of monthly VOC emissions records (she stated that she thought they had done some).

Ms. Murillo then provided me with a summary of the adhesive purchases for the most recent two years. The facility generally receives approximately 2,000 lbs of adhesive every couple of months.

I departed the facility at 1110 hours.

A. Sanders 10/18/11

Reviewed by Paolo Longoni, 11/04/11

On 10/31/11, at 1742 hours, Ms. Murillo sent me an email providing the VOC emissions records that she found (records left before the previous environmental manager retired). I noticed that the records were provided from 2009 until May 2010. I emailed Ms. Murillo and left her a voicemail informing her that I needed to review all VOC emissions records kept until the date of my inspection.

On 11/04/11, Ms. Murillo called and left me a voicemail. She asked for assistance in learning how to calculate VOC emissions. I called her back and left her a voicemail that explained how to do so.

On 11/07/11, Ms. Murillo sent me an email that contained the rest of the VOC emissions records. Upon reviewing the records I found that the facility had monthly VOC emissions of less than 2.0 lbs. The yearly average of VOC emissions was approximately 30 lbs.

The facility was in compliance.

A. Sanders

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:20 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1265605
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: AR05 AMANDA SANDERS
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 10/18/2011
Instruction:
Disposition: Notice To Comply

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

A. Sanders

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:20 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1122142
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: PL03 PAOLO LONGONI
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 08/06/2009
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: The facility has four active Permit to Operate (P/O) for four adhesive spray booths (spray booths).

I arrived at the facility on 08/06/09 at 10:00 hrs to conduct an annual facility compliance inspection.

I met Tom Eder. Facilities/Continuous Improvement Portfolio Manager, (909) 793-3204 ext. 2304. who accompanied me on the facility inspection.

I inspected the facility with the following results:

Spray Booth P/O E04549

[The spray booth was not operating at the time of the inspection]

1.The spray booth on site matched the description on the P/O;

2.A single exhaust filter was installed that partially covered the area that would be covered by 16 20" x 20" exhaust filters (I asked Mr. Eder to increase the single exhaust filter);

3.The gun, Binks Mach 1SL, was high volume low pressure (HVLP) and cleaned with water;

4.The adhesive, Applied Products, CFB 100, 0.02 pounds per gallon of volatile organic compound (VOC), was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon;

5.The monthly VOC emissions records showed less than 2 pounds emitted in any one month during the 2008 and 2009 calendar years;

6.A copy of the P/O was posted by.

Spray Booth P/O E04550

[The spray booth was not operating at the time of the inspection]

1.The spray booth on site matched the description on the P/O;

2.A single exhaust filter was installed;

3.The gun, Binks Mach 1SL, was HVLP and cleaned with water;

4.The adhesive, Applied Products, CFB 100, 0.02 pounds per gallon of VOC, was in compliance with the VOC limit per Rule 1168, 2.1 pounds per gallon;

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 1122142
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: PL03 PAOLO LONGONI
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date: 08/06/2009
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

5.The monthly VOC emissions records showed less than 2 pounds emitted in any one month during the 2008 and 2009 calendar years;

6.A copy of the P/O was posted by.

Spray Booth P/O E04551

[The spray booth had been removed from the facility]

Spray Booth P/O E02559

[The spray booth had been removed from the facility]

I departed the facility at 10:35 hrs.

Paolo Longoni, 08/06/09

REVIEWED BY:Gary L. Bancroft08-18-2009

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:21 PM

Facility: 24248 LA-Z-BOY WEST
Status: Active
MR: 0902 SIC: 2512 Team: I
Last Inspection: 05/07/2019 On Hold: N Suspended: N
TS: TS-11 Industrial: Sector-based Inspections
Quarter: 1001 - inspect in 1st & 4th quarters, every year
Contact: BARBARA MCKENZIE (000) 0000000 x0000(RECLAIM: N TITLE V: N AIRS ID:
Assignment: 482514
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK
Inspector: MC02 MARIAN COLEMAN
Mailing Address: P O BOX 120, MONROE 48161-0120
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

REPORT: On 07-18-08 I arrived at LA-Z-Boy west to conduct a follow up inspection. I met with Tom Eder and James McHenry, Safety/Quality Managers. Mr. Eder escorted me to the spray booths and showed me the permits posted on the equipment. Mr. McHenry provided the MSDS sheets with the VOC content. Mr. Eder provided the monthly amount of glue being sprayed in the spray booths and I showed Mr. Eder and Mr. McHenry how to calculate the emissions of VOC from the information they provided. Mr. McHenry informed me that he would go back through the records and calculate all the emissions today now that they knew how to do it.

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 03/03/2022 12:21 PM

Facility: 191860 ACC BLD, LLC
Status: Active
MR: SIC: Team:
Last Inspection: On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections Quarter:
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 301 TENNESSEE ST, REDLANDS 92373-8125 Sector:EK Inspector:
Mailing Address: 380 NEW YORK ST, REDLANDS 92373 Sector:EK Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
619282	G61173	03/31/2020	INACTIVE	999993	BCAT	UNSPECIFIED EQUIP/PROCESS (SCH C)	02/14/2020	PERMIT TO OPERATE GRANTED
619283	G61174	03/31/2020	ACTIVE	999993	BCAT	UNSPECIFIED EQUIP/PROCESS (SCH C)	02/14/2020	PERMIT TO OPERATE GRANTED
623752	G62870	09/17/2020	ACTIVE	999993	BCAT	UNSPECIFIED EQUIP/PROCESS (SCH C)	08/19/2020	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NC E48359

Run Date : 3/3/2022 12:23:03

Company

Facility:	LA_Z_BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST REDLANDS, CA 92373-8125
Mailing Address:	P O BOX 120 MONROE, CA 48161-0120
AIRS ID	

Violation

Notice Issued Date:	5/10/2019
Violation Date:	5/10/2019
Serve To:	REBECCA WEAST
Title:	HR AND SAFETY
Issue By:	COURTNEY WATTS (Team: I)
Assignment No.:	1756989
Compliance Achieved Date:	06/11/2019
Equipment Description:	
Compliance Requirements:	203(b) The equipment or agricultural permit unit shall not be operated contrary to the conditions specified in the permit to operate.

Disposition

Final Action Code:	CLO 6/11/2019 00:00:00
Due Date:	5/24/2019
Violation Days:	0

Rule/Comment

203 (B)

Emittent

Follow-Up

Status: INCOMP Inspector ID: CW08 Inspection Date: 06/11/19 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E20966

Run Date : 3/3/2022 12:23:35

Company

Facility:	LA-Z-BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST REDLANDS, CA 92373-8125
Mailing Address:	P O BOX 120 MONROE, CA 48161-0120
AIRS ID	

Violation

Notice Issued Date:	9/27/2013
Violation Date:	9/27/2013
Serve To:	STEVE GOODWIN
Title:	MGR
Issue By:	HAROLD RANK (Team: I)
Assignment No.:	1401039
Compliance Achieved Date:	11/13/2013
Equipment Description:	
Compliance Requirements:	42303 for Wax MSDS sheet

Disposition

Final Action Code:	CLO 11/13/2013 00:00:00
Due Date:	10/11/2013
Violation Days:	0

Rule/Comment

42303 42303 for Wax MSDS sheet

Emittent

Follow-Up

Status: INCOMP Inspector ID: HR01 Inspection Date: 11/13/13 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E11909

Run Date : 3/3/2022 12:24:03

Company

Facility:	LA-Z-BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST REDLANDS, CA 92373
Mailing Address:	PO BOX 120 48161
AIRS ID	

Violation

Notice Issued Date:	10/18/2011
Violation Date:	10/18/2011
Serve To:	MARCIA MURILLO
Title:	SAFETY MGR, ENV, HEALTH
Issue By:	AMANDA SANDERS (Team: X)
Assignment No.:	1265633
Compliance Achieved Date:	11/08/2011
Equipment Description:	adhesive spray booths
Compliance Requirements:	The facility shall provide the most recent two years of monthly VOC emissions records

Disposition

Final Action Code:	
Due Date:	11/1/2011
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status: INCOMP Inspector ID: AR05 Inspection Date: 11/08/11 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC D03611

Run Date : 3/3/2022 12:24:48

Company

Facility:	LA-Z-BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST. REDLANDS, CA 92373-8125
Mailing Address:	P O BOX 8880 REDLANDS, CA 92375-2080
AIRS ID:	

Violation

Notice Issued Date:	4/24/2008
Violation Date:	4/24/2008
Serve To:	TOM EDER
Title:	FACILITIES
Issue By:	DAVID ELLIS (Team: I)
Assignment No.:	1046097
Compliance Achieved Date:	07/18/2008
Equipment Description:	
Compliance Requirements:	POST PERMITS FOR ALL SPRAY BOOTHS WITHIN 25'. PROVIDE MSDS AND VOC CONTENT OF GLUE SPRAYED. MAINTAIN RECORDS OF MATERIALS SPRAYED IN EACH BOOTH DAILY, INCLUDE VOC TOTALS PER PERMIT CONDITIONS.

Disposition

Final Action Code:	CLO 7/18/2008 00:00:00
Due Date:	5/8/2008
Violation Days:	0

Rule/Comment

109
203 (B)
206

Emittent

Follow-Up

Status: INCOMP Inspector ID: KM06 Inspection Date: 07/18/08 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC D 29077

Run Date : 3/3/2022 12:25:21

Company

Facility:	LA-Z-BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST REDLANDS, CA 92373
Mailing Address:	301 TENNESSEE, ST REDLANDS, CA 92373
AIRS ID	

Violation

Notice Issued Date:	4/6/2010
Violation Date:	4/6/2010
Serve To:	MARCIA MURILLO
Title:	SAFETY MANAGER
Issue By:	RAQUEL CHAVIRA (Team: L1)
Assignment No.:	1163233
Compliance Achieved Date:	05/06/2010
Equipment Description:	
Compliance Requirements:	Rule 2202(e); Submit R. 2202 comfpliance forms with oiption chosen by due date along with appropriate filing fee and late fee

Disposition

Final Action Code:	CLO 5/6/2010 00:00:00
Due Date:	5/6/2010
Violation Days:	0

Rule/Comment

2202

Emittent

Follow-Up

Status: INCOMP Inspector ID: RC01 Inspection Date: 05/06/10 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC A14703

Run Date : 3/3/2022 12:25:48

Company

Facility:	LA-Z-BOY WEST (ID: 24248)
Location Address:	301 TENNESSEE, ST REDLANDS
Mailing Address:	301 TENNESSEE, ST 92373-812
AIRS ID	

Violation

Notice Issued Date:	9/24/1993
Violation Date:	9/24/1993
Serve To:	LA-Z-BOY WEST
Title:	
Issue By:	MARIAN COLEMAN (Team: I)
Assignment No.:	486178
Compliance Achieved Date:	
Equipment Description:	PERMIT CONDITIONS
Compliance Requirements:	INSTALL MANOMETER GAUGE ON SPRAY BOOTH; MAINTAIN DAILY RECORDS OF COATINGS & SOLVENTS USED IN ELECTRODEPOSITION LINE/DIP TANK; POST PERMITS TO OPERATE.

Disposition

Final Action Code:	
Due Date:	
Violation Days:	0

Rule/Comment

109	RECORD KEEPING
203	PERMIT OPERATE OR CONDITIONS
206	POST PERMITS

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

SCAQMD Notification Report

Notification 248272 Run Date: 3/3/2022 12:29:41

Receive By:	MEDWARDS on 7/21/2010 14:06:34	Assignment No:	1179620	Inspection Date:
Assign By:	medwards on 7/21/2010 14:07:18	Inspector:	MELISSA EDWARDS (ME04)	
Dispatch On:		Disposition:		
Team:	L1	AIRS ID:		
Activity:	RULE 1113 INVESTIGATION	Title V:		
Instruction:				
Description:	non retail			
Instance Start Date:		Instance End Date:		
		Status		

Notifier

Facility:
First Name: Last Name: ANONYMOUS
Facility TS:
Address:
Phone:

Site Location

Facility: LA-Z BOY WEST
Facility TS:
Address: 301 TENNESSEE ST, REDLANDS, CA 92373 (Sector EK)

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

SCAQMD Notification Report

Notification 273124

Run Date: 3/3/2022 12:30:14

Receive By:	JOYCES on 4/1/2011 07:54:00	Assignment No:	1228114	Inspection Date:	
Assign By:		Inspector:			
Dispatch On:		Disposition:			
Team:	X	AIRS ID:			
Activity:	R1403 ASBESTOS REMOVAL	Title V:	N		
Instruction:					

Description: REMOVE CARPET & VINYL FLOOR TILE IN SMALL OFFICE; WORK DONE PRIOR TO NOTIFICATION JS; CHECK #1056641 $53.15 & CHECK #01056640 $53.15

Instance Start Date: 11/04/2010 00:00 Instance End Date: 11/04/2010 00:00

Status

Notifier

Facility: 95762 RESIDENTIAL ASBESTOS

First Name: Last Name: ANONYMOUS

Facility TS: TS-72 Toxics: Asbestos Removal Contractors

Address: VARIOUS LOCATIONS IN SCAQMD, Unit 308, DIAMOND BAR, CA 91765

Phone: (909)793-3204 Ext.2245 (Work)

Site Location

Facility: $LA-Z-BOY WEST

Facility TS:

Address: 301 TENNESSEE ST, REDLANDS, CA 92375 (Sector EK)

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

ALL APPLICATIONS EXPIRE ONE YEAR AFTER DATE PERMIT TO OPERATE IS ISSUED

FORM 400A

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive, El Monte, CA 91731

NC/NOV NUMBER _____
INSPECTOR _____ SECTOR _____
ISSUE DATE _____

COMPANY INFORMATION

LEGAL NAME OF APPLICANT
LA-Z-BOY CHAIR COMPANY

☐ IRS OR ☐ S.S. NUMBER

PERMIT TO BE ISSUED TO: (SEE INSTRUCTIONS)
LA-Z-BOY WEST

BUSINESS MAILING ADDRESS
301 Tennessee St., Redlands, CA 92373

TYPE OF ORGANIZATION
☒ CORPORATION ☐ LIMITED PARTNERSHIP ☐ GOVERNMENT ENTITY
☐ INDIVIDUAL ☐ GENERAL PARTNERSHIP ☐ OTHER _____

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS) ☐ YES ☒ NO
AVERAGE ANNUAL GROSS RECEIPTS:
NUMBER OF EMPLOYEES: 280
IS YOUR BUSINESS 51 PERCENT OR MORE WOMAN/MINORITY OWNED? (OPTIONAL) ☐ YES ☒ NO

ARE ALL FACILITIES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL RULES? ☒ YES ☐ NO

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☐ YES ☒ NO ☐ IRS OR ☐ S.S. NUMBER OF THE OWNER

IF NO, ENTER LEGAL NAME OF OWNER LA-Z-BOY CHAIR COMPANY

FACILITY INFORMATION

EQUIPMENT ADDRESS/LOCATION
301 Tennessee St.
NUMBER / STREET

Redlands CA 92373
CITY OR COMMUNITY ZIP CODE

FACILITY NAME
LA-Z-BOY WEST
FACILITY ID NUMBER (SEE INSTRUCTIONS) OK gs 5/20/91
0 2 4 2 4 8

CONTACT PERSON AND TITLE
William E. Chaffee
CONTACT TELEPHONE NUMBER
(714) 793-3204
NUMBER OF EMPLOYEES AT THIS FACILITY:
280

TYPE OF BUSINESS AT THIS FACILITY
Furniture Manufacturing
BUSINESS TYPE CODE (SEE INSTRUCTIONS)
2 5 1 2
IS THERE A SCHOOL WITHIN 1,000 FEET OF YOUR PROPERTY?
YES ☐ NO ☒

EQUIPMENT INFORMATION

EQUIPMENT DESCRIPTION (SEE INSTRUCTIONS)
Paint Spray Booth

APPLICATION FOR: (SEE INSTRUCTIONS)
☐ NEW CONSTRUCTION ☒ MODIFICATION ☐ CHANGE OF LOCATION
☐ EXISTING EQUIPMENT OPERATING WITHOUT PERMIT ☐ CHANGE OF PERMITTEE ☐ CHANGE OF PERMIT CONDITION
☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

ARE YOU SUBMITTING MULTIPLE APPLICATIONS FOR EQUIPMENT IDENTICAL TO THAT DESCRIBED ABOVE?
☐ YES ☒ NO

HAVE YOU BEEN ISSUED A NOTICE TO COMPLY (NC) OR A NOTICE OF VIOLATION (NOV) FOR THIS EQUIPMENT? ☐ YES ☒ NO
NC NUMBER: NOV NUMBER: NOTICE ISSUE DATE:
NUMBER OF EMPLOYEES NEEDED TO OPERATE THIS EQUIPMENT: 1

IF THE EQUIPMENT HAS A PREVIOUS WRITTEN PERMIT, STATE NAME OF PERMITTEE: LA-Z-BOY WEST
PREVIOUS PERMIT NUMBER: E 02[illegible]0

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED COST OF:
BASIC EQUIPMENT $ 2,000.00
AIR POLLUTION CONTROL EQUIPMENT $ N/A

FOR NEW CONSTRUCTION OR MODIFICATION, ENTER ESTIMATED START DATE: June 1, 1991
ESTIMATED COMPLETION DATE: June 15, 1991

FOR CHANGE OF PERMITTEE, LOCATION OR CONDITION, ENTER DATE OF OCCURRENCE: N/A
FOR EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT, ENTER INITIAL OPERATION DATE: N/A

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENTAL AGENCY? ☐ YES ☒ NO
IF YES, ENTER NAME: AND SUBMIT A COPY IF APPROVED
DO YOU CLAIM CONFIDENTIALITY OF DATA ? (SEE INSTRUCTIONS) ☐ YES ☒ NO

RECEIVED MAY 24 1991 7:22 AM SOUTH COAST AIR QUALITY

I HEREBY CERTIFY, UNDER PENALTY OF PERJURY, THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION ARE TRUE AND CORRECT

SIGNATURE _____
OFFICIAL TITLE OF SIGNER: Superintendent
TYPE OR PRINT NAME OF SIGNER: William E. Chaffee
TELEPHONE NUMBER: (714) 793-3204
DATE: 5-21-91

SCAQMD USE ONLY

APPLICATION NUMBER	TYPE	EQUIPMENT CATEGORY NUMBER	ASSIGNMENT UNIT / ENGINEER	CLASS	ENF. SECT.
249606	B (C) D	60	89	I (III) IV	

ENGR. A R DATE	ENGR. INITIAL	FEE SCHEDULE	$	VALIDATION	CHECK OR MONEY ORDER NUMBER	AMOUNT
5/24/91	MB	B	(1A)	5/24/91 B	2679	$220.00

DISTRIBUTION – WHITE – ENGINEERING – CANARY – ENFORCEMENT – PINK – APPLICANT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND EXCAVATE AND
FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER
FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION
SEE REVERSE SIDE

COLTON

PLEASE TYPE OR PRINT

SCAQMD USE: SEC ____ TS ____ ID NUMBER 24248

1A. PERMIT TO BE ISSUED TO
LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS
301 TENNESSEE STREET, REDLANDS, CA
NUMBER STREET CITY OR COMMUNITY STATE

2B. 92373
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME")
SAME
NUMBER STREET CITY OR COMMUNITY ZIP

3B. STATE STREET
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME)
C.A. LECKLER

4B. CONTACT PHONE NO (AREA & NO)
(714 793-3204

5. EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
RANSPLATE - ELECTRO DEPOSITION PLATING PAINTING

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NONE
NAME PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION ☐
- ALTERATION ☐
- CHANGE OF LOCATION ☐
- REINSTATE NON-PAYMENT P/O FEES DUE ☐
- CHANGE OF OWNERSHIP ☐
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT ☒
- CHANGE OF CONDITIONS ☐

8. TYPE OF ORGANIZATION
- CORPORATION ☒
- PARTNERSHIP ☐
- INDIVIDUAL OWNER ☐
- LOCAL GOV'T AGENCY ☐
- STATE AGENCY ☐
- FEDERAL AGENCY ☐
- UTILITY ☐

9. ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ N/A
AIR POLLUTION CONTROL EQUIPMENT $ N/A

10. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE? N/A
ESTIMATED COMPLETION DATE? N/A

11. GENERAL NATURE OF BUSINESS
MFG. OF UPHOLSTERED FURNITURE

12. PRINCIPAL PRODUCT
RECLINING CHAIRS

13. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES ☐ NO ☒
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 3
DAYS/WEEK 5
WEEKS/YEAR 50

15. HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES ☐ NO ☒

15a. ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES ☒ NO ☐

16. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Courtney A. Leckler

17. OFFICIAL TITLE OF SIGNER
VICE PRESIDENT

18. TYPED OR PRINTED NAME OF SIGNER
COURTNEY A. LECKLER

19. PHONE NO
714 793-3204

20. DATE
3/4/88

SCAQMD USE

SIC NO

EQUIP CAT NO 000287 / ___

SCH/STEP: 8/A MAR 21 1988

APPLICATION NO 166988

PERMIT NO

TYPE (B) OR C

WORK UNITS A/C P/O

ASSIGNMENT 9 UNIT ENGR

CLASS I (III)

VALIDATION 3/9/88

FILING FEE $ 250.00

CHECK OR MONEY ORDER NO. 1828

Form 400A PRIOR VERSIONS NOT VALID (Continued on reverse) C-1

SEE REVERSE FOR FEES REQUIRED UPON FILING

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
9150 Flair Drive El Monte, CA 91731

COLTON

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE AND/OR TRADE PLAN

FOR PLANS REQUIRED BY THE EXECUTIVE OFFICER

FOR FEE INFORMATION AND SMALL BUSINESS EXEMPTION

SEE REVERSE SIDE

PLEASE TYPE OR PRINT

SCAQMD USE: SEC | TS | ID NUMBER 24248

1A PERMIT TO BE ISSUED TO
LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A MAILING ADDRESS
P.). Box 511 | Redlands | Californ ia
NUMBER | STREET | CITY OR COMMUNITY | STATE

2B
92373-0511
ZIP CODE

3A EQUIPMENT LOCATION (IF SAME ENTER SAME)
301 Tennessee St. | Redlands, CA | 92373-0511
NUMBER | STREET | CITY OR COMMUNITY | ZIP

3B
STATE
NEAREST INTERSECTING STREET

4A CONTACT PERSON (INITIALS & NAME)

4B CONTACT PHONE NO (AREA & NO)
(714 - 793-3204

5 EQUIPMENT APPLICATION IS HEREBY MADE FOR PERMIT TO OPERATE THE FOLLOWING EQUIPMENT
Controlled Pyrolysis Cleaning Furnace, Model PTR-52

6 IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER
NAME | PREVIOUS PERMIT NUMBER

7 PERMIT APPLICATION FOR EQUIPMENT
- NEW CONSTRUCTION [X]
- ALTERATION [ ]
- CHANGE OF LOCATION [ ]
- CHANGE OF OWNERSHIP [ ]
- EXISTING EQUIPMENT IN OPERATION WITHOUT PRIOR PERMIT [ ]
- CHANGE OF CONDITIONS [ ]

8 TYPE OF ORGANIZATION
- CORPORATION [X]
- PARTNERSHIP [ ]
- INDIVIDUAL OWNER [ ]
- LOCAL GOV'T AGENCY [ ]
- STATE AGENCY [ ]
- FEDERAL AGENCY [ ]
- UTILITY [ ]

9 ESTIMATED COST OF EQUIPMENT OR ALTERATION
BASIC EQUIPMENT $ See Price List attached
AIR POLLUTION CONTROL EQUIPMENT $

10 FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION WHAT IS
ESTIMATED STARTING DATE? ASAP
ESTIMATED COMPLETION DATE?

11 GENERAL NATURE OF BUSINESS
MANUFACTURER

12 PRINCIPAL PRODUCT
RECLINING CHAIRS

13 DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] NO [X]
IF YES STATE NATURE OF DATA ON SEPARATE SHEET

14 NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT
HOURS/DAY 24
DAYS/WEEK 12
WEEKS/YEAR 50

15 HAS A CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? YES [ ] NO [ ]

15a ARE ALL COMPANIES' FACILITIES IN CALIFORNIA IN COMPLIANCE WITH AIR POLLUTION RULES?
YES [ ] NO [ ]

16 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION
Courtney A Leckler

17 OFFICIAL TITLE OF SIGNER
VICE PRES.

18 TYPED OR PRINTED NAME OF SIGNER
COURTNEY A. LECKLER

19 PHONE NO
(714) 793 3204

20 DATE
12-22-88

SCAQMD USE

SIC NO		EQUIP CAT NO 000199 /		SCH STEP 6A	JAN 10 1989
APPLICATION NO 182075	PERMIT NO	TYPE O OR C	WORK UNITS A C P O	ASSIGNMENT 9-1 UNIT ENGR	CLASS 1 II III
VALIDATION 12/22/88		FILING FEE $ 750 00	CHECK OR MONEY ORDER NO 20000 60		

Form 400A PRIOR VERSIONS NOT VALID

(Continued on reverse)

SEE REVERSE FOR FEES REQUIRED UPON FILING

accept C-1

1/23/81 (90-113) #890 $300.00

Eof

To Whalen OK CAD. Jay

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE

2-3 | 4-5 | 6-12
SEC | CTG | I.D. NUMBER

1A. PERMIT TO BE ISSUED TO:
LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS:
301 Tennessee St. | Redlands. | CA
NUMBER STREET | CITY OR COMMUNITY | STATE

2B. 92373
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"):
Same
NUMBER STREET | CITY OR COMMUNITY | ZIP CODE

3B. State St.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME):
C. Leckler

4B. CONTACT PHONE NO. (AREA & NO.):
(714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Paint & Solvent Spray Booth #3

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.
Spray Booth w/filters

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.
None

5D. BOILER OPERATING CAPACITY (THOUSANDS OF BTU/HR.)

% BOILER STEAM USED FOR SPACE HEAT

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
None
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION:
13 NEW CONSTRUCTION [X] 1
ALTERATION [ ] 2
CHANGE OF LOCATION [ ] 3
CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION:
14 CORPORATION [X] 1
PARTNERSHIP [ ] 2
INDIVIDUAL OWNER [ ] 3
LOCAL GOV'T. AGENCY [ ] 4
STATE AGENCY [ ] 5
FEDERAL AGENCY [ ] 6
UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF 9 ACRES TO TENTH

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE?
ESTIMATED COMPLETION DATE? 1969

13. GENERAL NATURE OF BUSINESS:
Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: (46-55)
Reclining chairs

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) | MAR-MAY 25 % (58-59) | JUN-AUG 25 % (60-61) | SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] 1
64 NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS/DAY 4
DAYS/WEEK 5
WEEKS/YEAR 50
(65-70)

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION:
Courtney Leckler

19. OFFICIAL TITLE OF SIGNER:
Vice President

18. TYPED OR PRINTED NAME OF SIGNER:
Courtney A. Leckler

20. PHONE NO.
(714) 793-3204

21. DATE
1/22/81

APCD USE ONLY

STATE: 05 (13-14)
COUNTY: 4200 LA | 5440 OR | 6420 RIV | 6700 SB (15-18)
AQCR: 52 SCAB | 93 SCSD (19-20)
CITY: 6200 (21-24)
NEDS I.D. NO.: (25-28)
DATE: 1/26/81 (29-33)

C.R.: 005 SCB | 011 SCD (34-36)
L.C.: (OMIT) (37-38)
SIC: 2512 (39-42)
IPP: (43-44)
ST. LIST NO.: (45-49)
ALPHA LIST NO.: (50-57)
EQUIP. CAT. NO.: 000002/60 (58-65)

APPLICATION NO.: 02262E (13-18)
PERMIT NO.: C045549 (19-24)
TYPE: 25 | B DR C | A/C (25)
WORK UNITS: 2.0 (26-29)
ASSIGNMENT: 1 UNIT | LGW ENGR (30-31)
CLASS: 1 1 111 3 (32)

VALIDATION: SCAQMD 004 CAO 6000Da 626 (33-37) (111)
FILING FEE: $ 60.00 (38-41)
CHECK OR MONEY ORDER NO.: 890 (42-49)
PERMIT FEE: $60.00 (50-53)
CHECK OR MONEY ORDER NO. (54-61)

ARF $30.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

OK
[illegible]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 — DEC | TS | ID NUMBER

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 Tennessee St., Redlands, CA
NUMBER | STREET | CITY OR COMMUNITY | STATE

2B. 92373
ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): Same
NUMBER | STREET | CITY OR COMMUNITY | ZIP CODE

3B. State St.
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): C. Leckler

4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

Paint & Solvent Spray Booth #4

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: Spray Booth w/dry baffles

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: None

5D. BOILER OPERATING CAPACITY _____ (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT _____

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.

None
NAME | PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF 9 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31) AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38) ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? 1969

13. GENERAL NATURE OF BUSINESS: Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: Reclining chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:

DEC-FEB	MAR-MAY	JUN-AUG	SEP-NOV
25 %	25 %	25 %	25 %
56-57	58-59	60-61	62-63

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? 64
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: 65-70
HOURS/DAY 6
DAYS/WEEK 1
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney Leckler

18. OFFICIAL TITLE OF SIGNER: Vice President

19. TYPED OR PRINTED NAME OF SIGNER: Courtney A. Leckler

20. PHONE NO. (714) 793-3204

21. DATE 1/22/81

APCD USE ONLY

STATE 13-14: 05	COUNTY 15-18: 4200 LA, 5440 OR, 6420 RIV, 7700 SB	AQCR 19-20: 31 SCAB, 33 SED	CITY 21-24: 6200	NEDS I.D. NO. 25-28	DATE 29-33: 1/26/81	
C.R. 34-36: 005 SCB, 011 SED	L.C. 37-38: (OMIT)	SIC 39-42: 2512	IPP 43-44	ST. LIST NO. 45-49	ALPHA LIST NO. 50-57	EQUIP. CAT. NO. 58-65: 000000/60
APPLICATION NO. 13-18: 02263E	PERMIT NO. 19-24: E04550	TYPE 25: B OR C	WORK UNITS 26-29: A/C	ASSIGNMENT 30-31: 1 UNIT LEW ENGR	CLASS 32: 1 1 111 3	
VALIDATION 33-37 (111): SCAQND 005 CAT 60000a 626		FILING FEE 38-41: $60.00		CHECK OR MONEY ORDER NO. 42-49: 890		
		PERMIT FEE 50-53: $60.00		CHECK OR MONEY ORDER NO. 54-61		

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ARF 30.00

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

OK JDY

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 | SEC | TO | ID NUMBER

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 Tennessee St., (NUMBER / STREET) Redlands, (CITY OR COMMUNITY) CA (STATE)

2B. 92373 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): Same (NUMBER / STREET, CITY OR COMMUNITY, ZIP CODE)

3B. State St. (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): C. Leckler

4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

Glue Spray Booth #5

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: Spray Booth

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: None

5D. BOILER OPERATING CAPACITY _____ (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT _____

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.

NAME: None PREVIOUS PERMIT NUMBER: _____

7. PERMIT APPLICATION:
13 NEW CONSTRUCTION [X] 1
ALTERATION [ ] 2
CHANGE OF LOCATION [ ] 3
CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION:
14 CORPORATION [X] 1
PARTNERSHIP [ ] 2
INDIVIDUAL OWNER [ ] 3
LOCAL GOV'T. AGENCY [ ] 4
STATE AGENCY [ ] 5
FEDERAL AGENCY [ ] 6
UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF 9 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? 1969

13. GENERAL NATURE OF BUSINESS: Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: Reclining chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) MAR-MAY 25 % (58-59) JUN-AUG 25 % (60-61) SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] 1
64 NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50
(65-70)

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney Leckler

18. OFFICIAL TITLE OF SIGNER: Vice President

19. TYPED OR PRINTED NAME OF SIGNER: Courtney A. Leckler

20. PHONE NO.: (714) 793-3204

21. DATE: 1/22/81

APCD USE ONLY

STATE (13-14): 05
COUNTY (15-18): 4200 LA, 5440 OR, 6420 RIV, 8202 SB
AQCR (19-20): 32 SCA, 32 SED
CITY (21-24): 6200
NEDS I.D. NO. (25-28):
DATE (29-33): 1/26/81
C.R. (34-36): 005 SCB
E.C. (37-38): (OMIT)
SIC (39-42): 2512
FPP (43-44):
ST. LIST NO. (45-49):
ALPHA LIST NO. (50-57):
EQUIP. CAT. NO. (58-65): 020000/60
APPLICATION NO. (13-18): 02264E
PERMIT NO. (19-24): 104551
TYPE (25): B OR C
WORK UNITS (29): A/C
ASSIGNMENT (30-31): P/O 1 UNIT ENSR
CLASS (32): I II III
VALIDATION (33-37): SCAQMD 006 60000a 5265
FILING FEE (38-41): $60.00
CHECK OR MONEY ORDER NO. (42-49): 890
PERMIT FEE (50-53): $60.00
CHECK OR MONEY ORDER NO. (54-61):

ARF $30.00

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

(Continued on reverse)

OK
Joy

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 — SEC | TS | IS NUMBER

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 Tennessee St. (NUMBER, STREET) Redlands, (CITY OR COMMUNITY) CA (STATE)

2B. 92373 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): Same (NUMBER, STREET, CITY OR COMMUNITY, ZIP CODE)

3B. State St. (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): C. Leckler

4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

Glue Spray Booth #6

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: Spray Booth

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: None

5D. BOILER OPERATING CAPACITY (THOUSANDS OF BTU/HR.) % BOILER STEAM USED FOR SPACE HEAT

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.

None (NAME) PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF 9 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31) AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38) ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS ESTIMATED STARTING DATE? ESTIMATED COMPLETION DATE? 1969

13. GENERAL NATURE OF BUSINESS: Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: Reclining chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:

DEC-FEB	MAR-MAY	JUN-AUG	SEP-NOV
25 %	25 %	25 %	25 %
56-57	58-59	60-61	62-63

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? 64
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: 65-70
HOURS/DAY 4
DAYS/WEEK 5
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney Leckler

19. OFFICIAL TITLE OF SIGNER: Vice President

18. TYPED OR PRINTED NAME OF SIGNER: Courtney A. Leckler

20. PHONE NO. 714-793-3204

21. DATE 1/22/81

APCD USE ONLY

STATE 13-14: 05	COUNTY 15-18: 4200 LA, 5440 OR, 6420 RIV, SB	AQCR 19-20: 2 SCAB, 33 SED	CITY 21-24: 6200	NEDS I.D. NO. 25-28	DATE 29-33: 1/26/81
C.R. 34-36: 005 SCB, 011 SED	L.C. 37-38: (OMIT)	SIC 39-42: 2512	IPP 43-44	ST. LIST NO. 45-49	ALPHA LIST NO. 50-57
EQUIP. CAT. NO. 58-65: 000000/160					
APPLICATION NO. 13-18: 02265E	PERMIT NO. 19-24: EC4552	TYPE 25: B OR C	WORK UNITS 26-29: A/C, P/O	ASSIGNMENT: LEW UNIT ENGR	CLASS 32: 1 1 111 5
VALIDATION 33-37: SCAQMD 007 (111) 60000a 8265		FILING FEE 38-41: $60.00		CHECK OR MONEY ORDER NO. 42-49: 890	
		PERMIT FEE 50-53: $60.00		CHECK OR MONEY ORDER NO. 54-61	

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ARF $30.00

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

OK
JOY

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (REG | STS | JOB NUMBER)

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 Tennessee St., (NUMBER, STREET) Redlands, (CITY OR COMMUNITY) CA (STATE)
2B. 92373 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): Same (NUMBER, STREET, CITY OR COMMUNITY, ZIP CODE)
3B. State St (NEAREST INTERSECTING STREET)

4A. CONTACT PERSON (INITIALS & NAME): C. Leckler
4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT, APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Glue Spray Booth #7

5B. PRIMARY AIR POLLUTION CONTROL EQUIP.: Spray Booth
5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: None

5D. BOILER OPERATING CAPACITY: N/A (THOUSANDS OF BTU/HR.)
% BOILER STEAM USED FOR SPACE HEAT: N/A

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME: None
PREVIOUS PERMIT NUMBER:

7. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF: 9 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? 1969

13. GENERAL NATURE OF BUSINESS: Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: Reclining chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) | MAR-MAY 25 % (58-59) | JUN-AUG 25 % (60-61) | SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? (64)
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 28.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: (65-70)
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney Leckler

19. OFFICIAL TITLE OF SIGNER: Vice President

18. TYPED OR PRINTED NAME OF SIGNER: Courtney A. Leckler

20. PHONE NO.: 714-793-3204

21. DATE: 1/22/81

APCD USE ONLY

STATE (13-14): 05	COUNTY (15-18): 4200 LA, 5440 OR, 8420 RIV, 3600 SD	AQCR (19-20): 2 SCAB, 33 SED	CITY (21-24): 6200	NEDS I.D. NO. (25-28):	DATE: 1/26/81 (29-33)			
C.R. (34-36): 005 SCB, 011 SED	L.C. (37-38): (OMIT)	SIC (39-42): 2512	IPP (43-44):	ST. LIST NO. (45-49):	ALPHA LIST NO. (50-57):	EQUIP. CAT. NO.: 000000/60 (58-65)		
APPLICATION NO. (13-18): 02266E	PERMIT NO. (19-24): L04553	TYPE (25): B O (C)	WORK UNITS (26-29): A/C 0/0	ASSIGNMENT (30-31): 1 UNIT, 600 ENGR	CLASS (32): 1 1 (A11) 3			
VALIDATION (33-37): SCAQMD 008 (111)		FILING FEE, $ (38-41): 60.00	CHECK OR MONEY ORDER NO. (42-49): 890					
		PERMIT FEE, $ (50-53): 60.00	CHECK OR MONEY ORDER NO. (54-61):					

60000a 5265

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ARF #30.00

(Continued on reverse)

Accept mfg
& PBC

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

1a. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST

1b.

2a. MAILING ADDRESS: 301 TENNESSEE STREET, REDLANDS, CALIFORNIA

2b. 92373

3a. EQUIPMENT LOCATION (IF SAME AS 2a, ENTER "SAME"): SAME

3b. STATE STREET

4a. CONTACT PERSON (INITIALS & NAME): C. Leckler

4b. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

Ransburg No. 2 Process Disk Spray Booth

6a. PRIMARY AIR POLLUTION CONTROL DEVICE: spray booth

6b. SECONDARY AIR POLLUTION CONTROL DEVICE: none

7a. BOILER OPERATING CAPACITY _____ (THOUSANDS OF BTU/HR.)

7b. % BOILER STEAM USED FOR SPACE HEAT _____

8. IF THIS EQUIPMENT HAD A PREVIOUS OR OTHER PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER: none

9. PERMIT APPLICATION: [1] NEW CONSTRUCTION [2] ALTERATION [3] CHANGE OF LOCATION [4] CHANGE OF OWNERSHIP

10. TYPE OF ORGANIZATION: [1] CORPORATION [2] PARTNERSHIP [3] INDIVIDUAL OWNER [4] LOCAL AGENCY [5] STATE AGENCY [6] FEDERAL AGENCY [7] OTHER

11. NO. OF EMPLOYEES AT THIS LOCATION: 284

12. YEARS OF OPERATION: 9.0

13. ESTIMATED COST OF EQUIPMENT OR ALTERATION: EQUIPMENT $ 15,000.00; AIR POLLUTION CONTROL EQUIPMENT $ 5,000.00; ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ 1,000.00

14. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION GIVEN IN 9: ESTIMATED STARTING DATE: Feb 1978; ESTIMATED COMPLETION DATE: Feb 1978

15. GENERAL NATURE OF BUSINESS: Mfg of upholstered furniture

16. PRINCIPAL PRODUCT: Reclining chairs

17. % ANNUAL THROUGHPUT BY QUARTERS: DEC-FEB 25; MAR-MAY 25; JUN-AUG 25; SEP-NOV 25

18a. DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X] IF YES, STATE NATURE OF DATA TO BE HELD CONFIDENTIAL

18b. HOURS OF OPERATION OF SUBJECT EQUIPMENT: HOURS PER DAY 8; DAYS PER WEEK 5; WEEKS PER YEAR 50

19. SIGNATURE OF RESPONSIBLE OFFICER OR AGENT: Courtney Leckler

20. OFFICIAL TITLE OF OFFICER: Vice President

21. TYPED OR PRINTED NAME OF OFFICER: Courtney Leckler

22. PHONE NO.: (714) 793-3204

23. DATE: 2/9/78

APCD USE ONLY

STATUS: (1)

CITY: 6206

DATE: 2-21-78

S.C.: 25/2

EQUIP. CAT. NO.: 111202 60

APPLICATION NO.: A-01983-B

PERMIT NO.: E-2559-B

CLASS: 1

PROCESS: 1 SIC: 2512

FEE: .25.00 CHECK OR MONEY ORDER NO.: 705

PERMIT FEE: 25.00

B 86 6015 25000a 0212

CHD

Form 400A – REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ARP 15.00

(Continued on reverse)

Accep. PFT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (SEC | TS | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
1B. MAILING LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B.
NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 TENNESSEE STREET, REDLANDS, CALIFORNIA
(NUMBER, STREET, CITY OR COMMUNITY, STATE)

2B. 92373 (ZIP CODE)

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME
(NUMBER, STREET, CITY OR COMMUNITY, ZIP CODE)

3B. STATE STREET
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): C. Leckler

4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

Ransburg No. 2 Process Disk Spray Booth

6A. PRIMARY AIR POLLUTION CONTROL EQUIP.: spray booth

6C. SECONDARY AIR POLLUTION CONTROL EQUIP.: none

6B. BOILER OPERATING CAPACITY _____ (THOUSANDS OF BTU/HR.)

% BOILER STEAM USED FOR SPACE HEAT _____

7. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
NAME: none
PREVIOUS PERMIT NUMBER: _____

8. PERMIT APPLICATION: 13
- NEW CONSTRUCTION [X] 1
- ALTERATION [ ] 2
- CHANGE OF LOCATION [ ] 3
- CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION: 14
- CORPORATION [X] 1
- PARTNERSHIP [ ] 2
- INDIVIDUAL OWNER [ ] 3
- LOCAL GOV'T. AGENCY [ ] 4
- STATE AGENCY [ ] 5
- FEDERAL AGENCY [ ] 6
- UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 284 (15-18)

10. AREA OF: 9.0 ACRES TO TENTHS

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ 15,000.00 (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ 5,000.00 (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ 1,000.00 (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? Feb 1978
ESTIMATED COMPLETION DATE? Feb 1978

13. GENERAL NATURE OF BUSINESS: Mfg of upholstered furniture

14. PRINCIPAL PRODUCT: Reclining chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:

DEC-FEB	MAR-MAY	JUN-AUG	SEP-NOV
25 % (56-57)	25 % (58-59)	25 % (60-61)	25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA? (64)
YES [ ] 1
NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT: (65-70)
HOURS/DAY 8
DAYS/WEEK 5
WEEKS/YEAR 50

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney J. Leckler

19. OFFICIAL TITLE OF SIGNER: Vice President

18. TYPED OR PRINTED NAME OF SIGNER: Courtney Leckler

20. PHONE NO.: (714) 793-3204

21. DATE: 2/9/78

APCD USE ONLY

STATE: 13-14 (05) | COUNTY: 4200 LA, 5440 OR, 8420 RIV, (8709) SB (15-18) | AQCR: (24) SCAB, 33 SED (19-20) | CITY: 6200 (21-24) | NEDS I.D. NO.: 25-28 | DATE: 2-21-78 (29-33)

C.R.: (33) SCAB, 011 SED (34-36) | L.C.: (OMIT) (37-38) | SIC: 2512 (39-42) | IPP: 43-44 | ST. LIST NO.: 45-49 | ALPHA LIST NO.: 50-57 | EQUIP. CAT. NO.: 000202 60 (58-65)

APPLICATION NO.: A-00983-B (13-18) | PERMIT NO.: E-2559-B (19-24) | TYPE: (C) (25) | WORK UNITS: A/C 26-29, P/O | ASSIGNMENT: 1 UNIT, P.C. ENGR (30-31) | CLASS: 1 (1) III 3 (32)

VALIDATION: B 86 8015 (33-37) | 25000a 8218 (111) | FILING FEE: $25.00 (38-41) | CHECK OR MONEY ORDER NO.: 705 (42-49)

PERMIT FEE: $25.00 (50-53) | CHECK OR MONEY ORDER NO.: (54-61)

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ADD'L $5.00

(Continued on reverse)

ck # 914 (90-1134)
$60.00
3/16/81

To: Wilson. OK
COD
you

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

PLEASE TYPE OR PRINT

APCD USE: 2-3 | 4-5 | 6-12 (SEC | TB | ID NUMBER)

1A. PERMIT TO BE ISSUED TO: LA-Z-BOY WEST
BUSINESS LICENSE NAME OF ORGANIZATION THAT IS TO RECEIVE PERMIT

1B. NAME (OR NAMES) OF OWNER OR PRINCIPAL PARTNERS DOING BUSINESS AS (DBA) ABOVE ORGANIZATION

2A. MAILING ADDRESS: 301 Tennessee St., Redlands, CA
NUMBER STREET, CITY OR COMMUNITY, STATE

2B. 92373 ZIP CODE

3A. EQUIPMENT LOCATION (IF SAME ENTER "SAME"): SAME
NUMBER STREET, CITY OR COMMUNITY, ZIP CODE

3B. State
NEAREST INTERSECTING STREET

4A. CONTACT PERSON (INITIALS & NAME): C.A. Leckler

4B. CONTACT PHONE NO. (AREA & NO.): (714) 793-3204

5. EQUIPMENT: APPLICATION IS HEREBY MADE FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:
Dry Clime IFR-RED Oven

5A. PRIMARY AIR POLLUTION CONTROL EQUIP.: None

5C. SECONDARY AIR POLLUTION CONTROL EQUIP.: None

5D. BOILER OPERATING CAPACITY (THOUSANDS OF BTU/HR.)

% BOILER STEAM USED FOR SPACE HEAT

6. IF THIS EQUIPMENT HAD A PREVIOUS WRITTEN PERMIT, STATE NAME OF CORPORATION, COMPANY, OR INDIVIDUAL OWNER THAT OPERATED THIS EQUIPMENT, AND STATE PREVIOUS AIR POLLUTION CONTROL DISTRICT PERMIT NUMBER.
None
NAME — PREVIOUS PERMIT NUMBER

7. PERMIT APPLICATION:
13 NEW CONSTRUCTION [ ] 1
ALTERATION [ ] 2
CHANGE OF LOCATION [ ] 3
CHANGE OF OWNERSHIP [ ] 4

8. TYPE OF ORGANIZATION:
14 CORPORATION [X] 1
PARTNERSHIP [ ] 2
INDIVIDUAL OWNER [ ] 3
LOCAL GOV'T. AGENCY [ ] 4
STATE AGENCY [ ] 5
FEDERAL AGENCY [ ] 6
UTILITY [ ] 7

9. NO. OF EMPLOYEES AT THIS LOCATION: 210 (15-18)

10. AREA OF: 9 ACRES TO TENTH

11. ESTIMATED COST OF EQUIPMENT OR ALTERATION:
BASIC EQUIPMENT $ N/A (25-31)
AIR POLLUTION CONTROL EQUIPMENT $ N/A (32-38)
ANNUAL MAINTENANCE COST OF CONTROL EQUIPMENT $ N/A (39-45)

12. FOR THE NEW CONSTRUCTION, ALTERATION, TRANSFER OF OWNERSHIP OR LOCATION, WHAT IS
ESTIMATED STARTING DATE? _____ ESTIMATED COMPLETION DATE? 1970

13. GENERAL NATURE OF BUSINESS: Mfg. of Upholstered Furniture

14. PRINCIPAL PRODUCT: Reclining Chairs (46-55)

15. % ANNUAL THROUGHPUT BY QUARTERS:
DEC-FEB 25 % (56-57) | MAR-MAY 25 % (58-59) | JUN-AUG 25 % (60-61) | SEP-NOV 25 % (62-63)

15A. DO YOU CLAIM CONFIDENTIALITY OF DATA?
YES [ ] 1
64 NO [X] 2
IF YES, STATE NATURE OF DATA IN ITEM 23.

16. NORMAL OPERATING HOURS OF SUBJECT EQUIPMENT:
HOURS/DAY 4
DAYS/WEEK 5
WEEKS/YEAR 50
(65-70)

17. SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION: Courtney A Leckler

18. OFFICIAL TITLE OF SIGNER: Vice President

19. TYPED OR PRINTED NAME OF SIGNER: Courtney A. Leckler

20. PHONE NO.: 714-793-3204

21. DATE: 3/13/81

APCD USE ONLY

STATE (13-14): 05
COUNTY (15-18): 4200 LA | 5440 OR | 6420 RIV (33)
AQCR (19-20): 24 SCAB | 33 SED
CITY (21-24): 6200
NEDS I.D. NO. (25-28):
DATE (29-33): 3/17/81
C.R. (34-36): 005 SCB | 011 SED
L.C. (37-38): (OMIT)
SIC (39-42): 2512
IPP (43-44):
ST. LIST NO. (45-49):
ALPHA LIST NO. (50-57):
EQUIP. CAT. NO. (58-63): 268350 00
APPLICATION NO. (13-18): 02428E
PERMIT NO. (19-24): E01632
TYPE (25): B OR C
WORK UNITS (26-29): A/C | P/O
ASSIGNMENT (30-31): UNIT LEW ENGR
CLASS (32): I | II | III
VALIDATION (33-37): (111)
FILING FEE (38-41): $60.00
CHECK OR MONEY ORDER NO. (42-49): 914
PERMIT FEE (50-53): $230.00
CHECK OR MONEY ORDER NO. (54-61):

Form 400A - REVISED 12-1-76. PRIOR VERSIONS NOT VALID

ARF - 60.00

(Continued on reverse)

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE

SCAQMD USE

LA-Z-BOY WEST

301 Tennessee St. Redlands, CA 92373

Same Citrus Street

C. Leckler

Degreaser

Exempt None

933

None N/A

N/A

215 9

1500.00 N/A N/A

1967

Mfg. of Upholstered Furniture Reclinin. hairs

25 25 25 25

x

1 5 50

Courtney A. Leckler

Vice President

Courtney A. Leckler 793-3204 3/14/83

SCAQMD USE ONLY

MAR 9 1983

108042

2/16/83

Form 400A - REVISED 12-1-76 PRIOR VERSIONS NOT VALID

(Continued on reverse)

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

$106.30 Total ✓

Payment Received APR 1

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK	ENTERED BY	NOTIFICATION #
				South Coast	273124

COMPLETED BY	Marcia Murillo	COMPANY ✓	La-Z-Boy, West		PHONE	909-793-3204 X2245		
DATE	3/23/11	CHECK #	01056640/01056641	FEE $	$ 53.15		PROJECT #	
NOTIFICATION TYPE	ORIGINAL x	REVISION DATES		REVISION OTHER (highlight)		CANCELLATION		
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	RENOVATION (removal) x	EMERGENCY REMOVAL	PLANNED RENO (annual)	Procedure 4 Plan	Procedure 5 Plan	
SITE INFORMATION	SITE NAME	La-Z-Boy, West						
SITE ADDRESS	301 Tennessee Street					CROSS STREET	State Street	
CITY	Redlands	STATE	California	ZIP	92375	COUNTY	San Bernardino County	
DESCRIBE WORK AND LOCATION	Removal of carpet and adhered vinyl floor tile in small office.							
BUILDING SIZE (SQ FT) 193,445	NUMBER OF FLOORS 1	BUILDING AGE (YEARS) 42	NUMBER OF DWELLING UNITS					
BLDG PRIOR / PRESENT USE	COMMERCIAL	HOSPITAL	INDUSTRIA x	Other	OFFICE	PUBLIC BLDG.	HOUSE	SCHOOL	SHIP	UNIV/COLLEGE
SITE OWNER	La-Z-Boy, West			ADDRESS	301 East Tennessee Street			
CITY	Redlands	STATE	California	ZIP	92375	CONTACT	Jovie Dabu	PHONE	909-793-3671

REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? **YES** NO	[1] ASBESTOS SURVEY? **YES** NO	ASBESTOS REMOVED? **YES** NO	BUILDING TO BE DEMOLISHED? YES **NO**
PROJECT DATES	START 11/4/10	END 11/4/10	WORK SHIFT (day, swing, night) **Night**	

*ASBESTOS AMOUNT TO BE REMOVED - (in square feet)	FRIABLE	CLASS I	CLASS II	**TOTAL AMOUNT** (add row)
			308	308

*ASBESTOS REMOVAL FROM	SURFACES X	PIPES	COMPONENTS

*AMOUNT OF EACH TYPE OF ASBESTOS (in square feet)	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING	STUCCO	MASTIC

FLOOR TILES (VAT) X – 308 sq.ft.	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)

CONTRACTOR INFORMATION	CSLB LICENSE #	OSHA REG #	AQMD ID #

NAME		ADDRESS			
CITY	STATE	ZIP	SITE SUPVR		PHONE

WASTE TRANSPORTER #1	Heritage Transport, LLC		**LANDFILL**	Heritage Environmental Services, LLC	
ADDRESS	2400 Cerritos Ave		ADDRESS	284 E. Storey Road, PO Box 97	
CITY	Signali Hill	STATE CA ZIP 90755	CITY	Coolidge	STATE Arizona ZIP 85228

* Not required for demolition notifications

[1] asbestos surveys are required prior to Demolition and Renovation.

Forms, instructions, and the Rule 1403 can be obtained from AQMD web site **http://www.aqmd.gov**

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2			*** WASTE STORAGE SITE**		
ADDRESS			ADDRESS		
CITY	STATE	ZIP	CITY	STATE	ZIP

*** CONTROLS**: DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure # **1**, **2**, **3**, **4**, **5** or Other.

For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)

ASBESTOS DETECTION PROCEDURE: Circle the procedures and analytical methods used to determine the presence of asbestos in the building. Survey, Bulk Sampling, Inspection, PLM, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):
Survey, Bulk Sampling, Assumed as Asbestos - PACM

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL:

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #
AUTHORIZING PERSON: TITLE
DATE OF ORDER: DATE ORDERED TO BEGIN:

* FOR **EMERGENCY ASBESTOS REMOVAL** GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT (***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):***

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

CONTINGENCY PLAN: DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. (***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):***

*** TRAINING CERTIFICATION:** I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

Company Name	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

La-Z-Boy, West	Jose de la Cerra	Signature of owner/operator	Human Resources Manager	Date
Company Name	Print name of owner/operator		Tittle of owner/operator	3/31/2011

Notifications can not be accepted without the required fee (Rule 301). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:

PROJECT SIZE in square feet		DEMOLITION OR REMOVAL		ADDITIONAL SERVICE CHARGES
1,000 or less	X	$ 53.15	X	Special Handling Fee ---- $ 53.15
1,001 to 5,000		$ 162.49		Revision to Notification- - $ 53.15
5,001 to 10,000		$ 380.33		Returned Check Fee --- - $ 25.00
10,001 to 50,000		$ 596.38		Planned Renovation ---- - $ 596.38
50,001 to 100,000		$ 864.30		Procedure 4 or 5 Plan----$ 596.38
100,001 or more		$ 1,440.49		Expedited 4 or 5 Plan.....$ 298.19

ATTENTION: Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution

Stop Ticket

HERITAGE ENVIRONMENTAL SERVICES

Stop#: **1302063-15540**

Trip#: 958010 Pick-up: 12/17/10 - 12/17/10

Pe#: 125438

EPA ID#: CAD005554465
PO#: WAIVER

Internal Contact
REGGIE SANTOS (562)595-0209

Mailing Address

JOHN EVANS
LA-Z-BOY
301 TENNESSEE STREET
REDLANDS, CA 92375
UNITED STATES

Site Address (GEN\TSD)

LA-Z-BOY
301 TENNESSEE STREET
REDLANDS, CA 92375
UNITED STATES

Phone# (909)793-3204
EVANS, JOHN - (909)793-3204

HERITAGE TRANSPORT, LLC / SIGNAL HILL (10738) (562)595-0209
IND058484114 US DOT#: 314460

Emergency Rate_____ Pickup Demurrage_____ Final Delivery Demurrage_____

Tractor# 070240 Trailer# N/A

Liner Qty_____

Driver# 31072 Driver Name RIORDAN Date 12-17-10

HERITAGE ENVIRONMENTAL SERVICES LLC (15540) AZD081705402
1 E STOREY RD, P. O. BOX 97 COOLIDGE, AZ 85228 UNITED STATES (520)723-4167

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	FLAMMABLE LOOSE PACKS	000366089WAS-1	2658665	103	Y3N	2	~~CM~~CF
2	UNCONTAMINATED ASBESTOS	000366089WAS-2	2658663	118	N2N	3	DM

Site Rep
Name_____ Signature_____ Date_____

130348: CERTIFIED WASTE SOLUTIONS
Company\Loc: 48\67

...esigned for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

...RDOUS ...ANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAD005554465	1	(800)326-1221	000366089WAS

...ator's Name and Mailing Address
LA-Z-BOY / JOHN EVANS
301 TENNESSEE STREET
REDLANDS, CA 92375
Generator's Phone: (909)793-3204

Generator's Site Address (if different than mailing address)
LA-Z-BOY / JOHN EVANS
301 TENNESSEE STREET
REDLANDS, CA 92375
GEN: 125438

6. Transporter 1 Company Name: HERITAGE TRANSPORT. LLC / SIGNAL HILL
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
284 E STOREY RD
COOLIDGE, AZ 85228
Facility's Phone: (520)723-4167
U.S. EPA ID Number: AZD081705402

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN1993,WASTE FLAMMABLE LIQUIDS, N.O.S., 3,PGII,(PAINT, THINNERS),(D001),ERG#128 (2CFx1,200P)	2	CF	1,200	P	~~331 D001~~
X	2. RQ,NA2212,ASBESTOS,9,PGIII,(ASBESTOS DEBRIS),ERG#171 (3DMx600P)	3	DM	600	P	151
	3.					
	4.					

14. Special Handling Instructions and Additional Information
4 E 1.W3 0582198 2.W2 0581921
2CFx1,200P 3DMx600P 55G (EST WEIGHTS)
ERI:HERITAGE T1452249IGT

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John L Evans
Signature: [signature]
Month 12 Day 17 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: STEPHEN RIORDAN
Signature: [signature]
Month 12 Day 17 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature]
Signature: [signature]
Month 01 Day 07 Year 11

GENERATOR / INT'L / TRANSPORTER / SIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

DALTON ENTERPRISES, INC.

555 SOUTH ROSE AVENUE
ANAHEIM, CA 92805
714.635.2181
714.635.0138 (fax)

Invoice

Date	Invoice #
1/7/2011	16953

Bill To
LA-Z-BOY 301 Tennesse Street Redlands, CA 92375 Attn: John Evans

E-mailed To Chad

P.O No.	Terms	Project
	30 DAYS	

Quantity	Description	Rate	Amount
	MIN# 000366089WAS		
3	UNCONTAMINATED ASBESTOS	85.00	255.00
1	ENERGY SUR-CHARGE	10.20	10.20
1	FREIGHT CHARGE	400.00	400.00
1	FUEL SUR-CHARGE (21.3%)	85.20	85.20
LB 985	FLAMMABLE LOOSE PACKS	1.95	1,920.75
1	ENERGY SUR-CHARGE	76.83	76.83

PLEASE MAKE CHECK PAYABLE TO:
DALTON ENTERPRISES
ATTN: ACCOUNTS RECEIVABLE
555 S. ROSE ST.
ANAHEIM, CA 92805

Total $2,747.98

John Evans

From: Chris Quinlan [chris@certifiedusa.net]
Sent: Friday, January 07, 2011 1:19 PM
To: John Evans
Subject: RE: Haz Waste Pick-up

Asbestos material 3 drums (weights below)
184 lbs
259 lbs
243 lbs

Chris Quinlan
Vice President Sales
Certified
Dalton Enterprises
Office (714) 635-2181
Cell (714) 394-1675
chris@certifiedusa.net

Recycling Waste Solutions - Records Management - Document Destruction

-----Original Message-----
From: John Evans [mailto:JEvans@La-Z-Boy.com]
Sent: Friday, January 07, 2011 12:54 PM
To: Chris Quinlan
Subject: RE: Haz Waste Pick-up

Ok

-----Original Message-----
From: Chris Quinlan [mailto:chris@certifiedusa.net]
Sent: Friday, January 07, 2011 12:53 PM
To: John Evans
Subject: RE: Haz Waste Pick-up

985 lbs for the paint waste which is on the invoice. I will have to track down the weights for the Asbestos tile drums.

Chris Quinlan
Vice President Sales
Certified
Dalton Enterprises
Office (714) 635-2181
Cell (714) 394-1675
chris@certifiedusa.net

Recycling Waste Solutions - Records Management - Document Destruction

-----Original Message-----
From: John Evans [mailto:JEvans@La-Z-Boy.com]
Sent: Friday, January 07, 2011 12:08 PM
To: Chris Quinlan
Subject: RE: Haz Waste Pick-up

Did you ever get the weights ???

-----Original Message-----
From: Chris Quinlan [mailto:chris@certifiedusa.net]
Sent: Friday, January 07, 2011 12:03 PM

John Evans

From: Chris Quinlan [chris@certifiedusa.net]

Sent: Tuesday, November 09, 2010 1:55 PM

To: John Evans

Subject: Pricing for asbestos tile/ carpet & Paint material

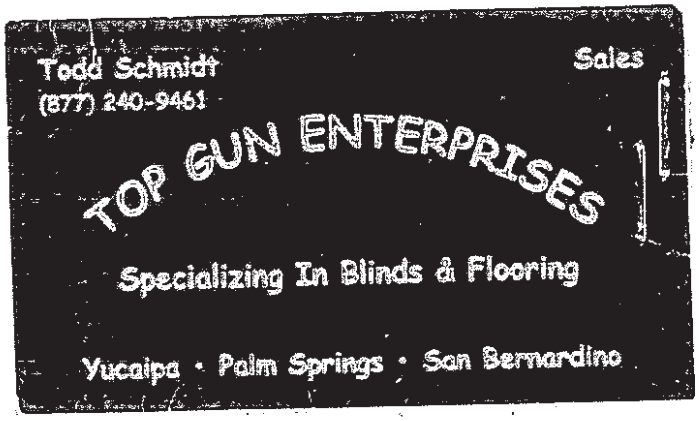
I will send you a more formal quote if you need one. Let me know. I should have the profiles out to you tomorrow.

Carpet/ tile asbestos debris $85.00 per drum + a 4% energy sur-charge
Trans per drum $50.00 + a 20% fuel sur-charge

Paint Material $1.95 per lb + a 4% energy sur-charge
Trans per Pallet $125.00 + a 20% fuel sur-charge

Chris Quinlan
Vice President Sales
Certified
Dalton Enterprises
Office (714) 635-2181
Cell (714) 394-1675
chris@certifiedusa.net

Recycling Waste Solutions - Records Management - Document Destruction


Todd Schmidt
(877) 240-9461
Sales
TOP GUN ENTERPRISES
Specializing In Blinds & Flooring
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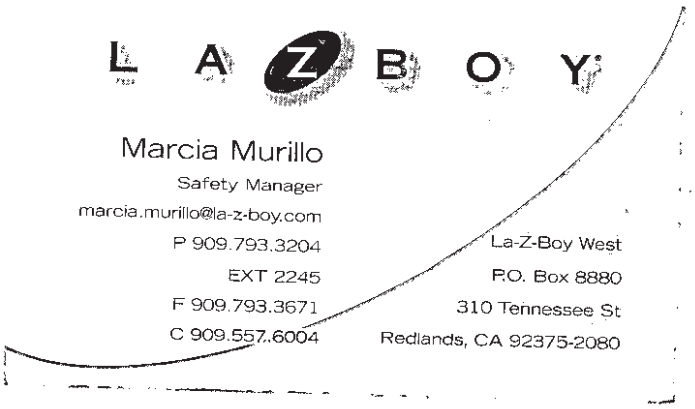
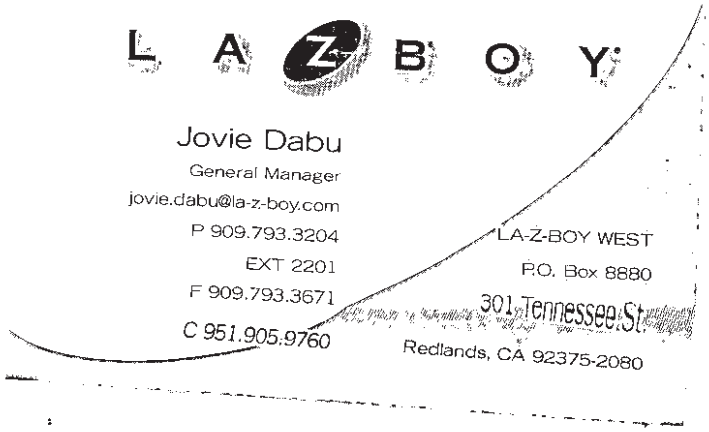

LA-Z-BOY
Marcia Murillo
Safety Manager
marcia.murillo@la-z-boy.com
P 909.793.3204
EXT 2245
F 909.793.3671
C 909.557.6004
La-Z-Boy West
P.O. Box 8880
310 Tennessee St
Redlands, CA 92375-2080


LA-Z-BOY
Jovie Dabu
General Manager
jovie.dabu@la-z-boy.com
P 909.793.3204
EXT 2201
F 909.793.3671
C 951.905.9760
LA-Z-BOY WEST
P.O. Box 8880
301 Tennessee St
Redlands, CA 92375-2080

L A Z B O Y

March 29, 2011

South Coast Air Quality District
Attn: Sam Vergary, Supervising AQ Inspector
21865 E. Copley Drive
Diamond Bar, CA 91765

Re: Self Report of Non-Compliance with Asbestos Pre-Removal Notification Requirement

Gentlemen:

This letter is provided to report a non-compliance matter at our Redlands, California facility, which was recently discovered through our internal voluntary corporate-wide compliance reviews ("self-audits"). We wish to report this matter and request your consideration of appropriate handling of it pursuant to applicable law, policy and procedures, including the self-audit and self-reporting provisions.

Briefly, in November 2010, old carpet was removed and replaced with new carpet in an office of 308 square feet at the La-Z-Boy West facility at 301 Tennessee Street in Redlands. The work was done one evening by the outside carpet installer the facility has used before. The installer ("Top Gun Enterprises") is not a licensed asbestos contractor, nor did they ever hold themselves out as such (Top Gun business card copied in Attachment A). La-Z-Boy did not seek out an asbestos licensed contractor because none of the personnel involved with planning or oversight of the work was presently cognizant that there might be 9" tiles under the old carpet. Other areas in the building that were re-carpeted in recent years/decades had the old carpet directly on the concrete slab floor, and the old carpet in this room had covered the tiles a long time ago.

Top Gun did not begin the tear out until the La-Z-Boy office staff had left for the day. When La-Z-Boy personnel arrived in the morning, they found the old carpet and 9" tile attached to it staged for disposal but still present. Upon contacting Top Gun to ask why they had not disposed of the materials, Top Gun indicated that the 9" tiles might contain asbestos and that they were not qualified to dispose of it. La-Z-Boy personnel then arranged for disposal of the carpet and tile in three 55 gallon drums, disposal being handled by Heritage, a licensed asbestos disposal company (see Attachment B).

Rod A. Miller, P.E., Director of Environmental Affairs for La-Z-Boy Incorporated, identified the disposal manifests in the course of his routine internal compliance reviews. Upon his further inquiry, he learned that although none of the Redlands La-Z-Boy personnel could identify the extent of the surface area where 9" tiles had been present under the carpet (no La-Z-Boy personnel had seen the tiles until arriving in the morning by which time the floor was recovered with the new carpet and the old carpet and tile remained on the job site). Therefore, he requested to be advised as to the dimensions of the entire office area re-carpeted, and was advised by Redlands personnel on March 8, 2011 that the total floor area of the entire office was 308 sq. feet.

La-Z-Boy Incorporated
P.O. Box 8880
301 Tennessee St
Redlands, CA 92375-2080

P 909.793.3204
F 909.793.3671

www.lazboy.com

Recognizing that this may have been a noncompliance, he informed La-Z-Boy corporate legal counsel and together they contacted outside legal counsel for the company to assist in determining if there had been a violation of any applicable requirements. Since the untested 9" tile would be, under applicable law, presumed to be asbestos containing material, and since the area of the work may well have exceeded the square footage standard for notification and other requirements, La-Z-Boy has determined that it should be reported to you in accordance with La-Z-Boy's policies.

We have tried to anticipate questions and concerns that SCAQD may have, and want to provide information responsive to them. In terms of exposures, we note that the office area was re-carpeted and all adjacent areas were unoccupied at the time of the removal, since the work was done in one evening after business hours. Also, our personnel who encountered the carpet and tiles in the morning and followed up in terms of arranging for disposal by Heritage (who had been recommended by our regular recycler), observed that to the best of his recollection it appears that all of the tile came up with the carpet without being broken or crumbled. The tile remained adhered to the underside of the carpet except in those areas where the carpet was folded or cut. In those areas the tiles either had remained intact or had released from the carpet on one side of the fold without breaking, or where cut, it appeared that TGE had cut the carpet along lines matching the tile lines with the result that the tiles were not broken or cut. The carpet and tiles were placed in 55-gallon drums for disposal. The renovated area was clean and free of dust in the morning when company personnel arrived.

To provide relevant data to you in an efficient format, we have completed the forms that would have been appropriate to use for notification (Attachment C). We recognize that we are not a licensed asbestos contractor and do not imply such by use of the form to collect the information. Unfortunately, by the time the company became aware of the presence of the presumed asbestos, pre-removal notification had become moot. In dealing with the situation as they found it the next morning, our Redlands personnel recognized that the PACM required proper disposal. Unfortunately, they did not recognize that a report should also be made as to the accidental noncompliance with the advance notification requirement.

To further the goal of preventing any similar recurrences of an asbestos requirement being overlooked in the future, the following actions have been undertaken or are in process:

1) Ensure that the top Redlands management re-emphasizes to the appropriate personnel who are involved with any renovation or demolition activities the identity of the asbestos program manager as indicated in the Redlands facility Asbestos Control Plan and the corporate Asbestos O&M Plan, and ensure the asbestos program manager is trained in and familiar therewith,

2) Promptly and expressly notify the Director of Environmental Affairs in the event any areas containing ACM or PACM are intended to be renovated (including projects where PACM may be uncovered), and obtain clearance from the local asbestos program manager (with any support or assistance needed from the corporate Director of Environmental Affairs as needed), and

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3) Require the personnel at Redlands who authorized the carpet work to review and become familiar with such materials regarding asbestos, the Asbestos Control and O&M Plan, and applicable legal requirements, as are designated by the Director of Environmental Affairs, and confirm their review and understanding of those materials of the General Manager of the Redlands facility and to the corporate Director of Environmental Affairs.

We also have considered whether there was any economic benefit from the noncompliance. We firmly believe that there was none and the prospect of such played no role in the oversight that lead to the violation. To further assure that no gain is involved, we are tendering to your office checks for the payment that would have been due with the notification had it been made, plus another check in the same amount, either as the payment that would have been due if a notice had been made along with a request to expedite the project. We believe there was no any economic benefit sought or gained or potentially gained from the noncompliance, or in any manner motivating it. Rather, the company fell out of compliance due a lack of foresight by Redlands personnel to anticipate that the PACM tiles might be under the carpet.

The Guidance further states (page 5, section 3) that a company should make full disclosure in writing to the agency "promptly" and that "promptly" generally means within "21 working days" of the discovery that a violation had occurred. The requirement for notification was identified when our corporate Director of Environmental Affairs first noticed an unfamiliar manifest and tracked it to the re-carpeting of an office that had a total floor area of 308 SF, exceeding the threshold for the notification. Twenty-one working days after that discovery would be April 6, 2011. Being a multi-facility company and needing to gather information in Redlands and obtain some interpretations, guidance and recommendations internally as well as from outside counsel in Michigan, and with our Director of Environmental Affairs also based in Michigan and not Redlands, we have sought to gather and submit the voluntary report as quickly as possible, and have done so in well under said "21 working days."

The Guidance refers to a record free of such for three years as a mitigating factor. Our internal review of this matter indicates that La-Z-Boy has no history of asbestos violations whatsoever.

We have attempted to anticipate and provide any information you would need in connection with this report. La-Z-Boy places a high priority upon legal and environmental compliance. We must hear acknowledge, however, that although the desire to be compliant was fully present, lack of sufficient foresight and perhaps of a fully adequate local knowledge of all of the asbestos program requirements, resulted in the noncompliance reported here.

If any further information is needed, I will be happy to supply it. Also the contact information for both our Corporate Director of Environmental Affairs and our outside environmental legal counsel, both of whom have assisted me in addressing this matter, are set forth below. They would also be happy to address any questions or provide any additional information needed.

Sincerely,

18,931,772.2\051344-00056

La-Z-Boy Incorporated
P.O. Box 8880
301 Tennessee St
Redlands, CA 92375-2080

P 909.793.3204
F 909.793.3671

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3) Require the personnel at Redlands who authorized the carpet work to review and become familiar with such materials regarding asbestos, the Asbestos Control and O&M Plan, and applicable legal requirements, as are designated by the Director of Environmental Affairs, and confirm their review and understanding of those materials of the General Manager of the Redlands facility and to the corporate Director of Environmental Affairs.

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We have attempted to anticipate and provide any information you would need in connection with this report. La-Z-Boy places a high priority upon legal and environmental compliance. We must here acknowledge, however, that although the desire to be compliant was fully present, lack of sufficient foresight and perhaps of a fully adequate local knowledge of all of the asbestos program requirements, resulted in the noncompliance reported here.

If any further information is needed, I will be happy to supply it. Also the contact information for both our Corporate Director of Environmental Affairs and our outside environmental legal counsel, both of whom have assisted me in addressing this matter, are set forth below. They would also be happy to address any questions or provide any additional information needed.

Sincerely,

Jovie Dabu
La-Z-Boy West, General Manager

SCAQMD | ASBESTOS NOTIFICATIONS | FILE #55641 | LOS ANGELES CA 90074

Check No. 01056640
Date 3/25/2011
Vendor No. **58962**

DATE	INVOICE NUMBER	DESCRIPTION	AMOUNT	DISCOUNT	NET AMOUNT
3/23/2011	NOTIFICATION FEE	SCAQMD	53.15		53.15
					53.15

Detach at Perforation Before Depositing Check Totals 53.15

La-Z-Boy Incorporated

REMOVE DOCUMENT ALONG THIS PERFORATION

SCAQMD | ASBESTOS NOTIFICATIONS | FILE #55641 | LOS ANGELES CA 90074

Check No. 01056641
Date 3/25/2011
Vendor No. 58962

DATE	INVOICE NUMBER	DESCRIPTION	AMOUNT	DISCOUNT	NET AMOUNT
3/23/2011	HANDLING FEE	SCAQMD	53.15		53.15
		Totals	53.15		53.15

LA-Z-BOY

Detach at Perforation Before Depositing Check

La-Z-Boy Incorporated

REMOVE DOCUMENT ALONG THIS PERFORATION

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D12365
A/N 166988
Page 1

This initial permit must be renewed by 12/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

LA-Z-BOY WEST
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373
ATTN: C. A. LECKLER

ID 24248

Equipment located at: SAME AS ABOVE

Equipment Description:

ELECTRODEPOSITION LINE, CONSISTING OF:

1. DIP TANK, CONVEYORIZED, 6' - 0" L. X 3' - 6" W. X 3' - 0" H., WITH ONE 3 H.P. ANOLYTE CENTRIFUGAL PUMP.

2. DC RECTIFIER, 20 K.W.

3. ULTAFILTRATION UNIT.

4. RINSE TANK, 5' - 8" L. X 3' - 6" W. X 1' - 6" H., WITH ONE PNEUMATIC PUMP RATED AT 30 GALLONS PER MINUTE.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE TOTAL QUANITY OF RESIN (SOLIDS) ADDED TO THIS TANK MUST NOT EXCEED 10 GALLONS IN ANY ONE DAY.

4. ONCE PER YEAR THIS TANK MAY BE DRAINED FOR MAINTENANCE PURPOSES AND FULLY RE-CHARGED.

5. THIS EQUIPMENT MUST BE OPERATED IN COMPLIANCE WITH RULE 1107 .

6. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN A MANNER APPROVED BY THE DIRECTOR OF ENFORCEMENT IN WRITING. SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF TWO YEARS AND BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/ps
December 1, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D12366
A/N 182075
Page 1

This initial permit must be renewed by 12/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: LA-Z-BOY WEST
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373
ATTN: C. A. LECKLER

ID 24248

Equipment located at: SAME AS ABOVE

Equipment Description:

FURNACE, POLLUTION CONTROL PRODUCTS CO., MODEL PTR-52, 4' - 3" W. X 5' - 11" L. X 5' - 5" H., 350,000 BTU PER HOUR NATURAL GAS FIRED, WITH ONE 1/20 H.P. COMBUSTION AIR BLOWER.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. A TEMPERATURE OF NOT LESS THAN 1400 DEGREES F MUST BE MAINTAINED IN THE AFTERBURNER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.

3. THIS FURNACE MUST NOT BE OPERATED AT EMPERATURE ABOVE 850 DEGREES F.

NOTICE

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CONTINUATION OF PERMIT TO OPERATE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
R-D45019
A/N 249606
Page 1

This initial permit must be renewed by 12/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

LA-Z-BOY WEST
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373
ATTN: WILLIAM E. CHAFFEE

ID 24248

Equipment located at: SAME AS ABOVE

Equipment Description:

SPRAY BOOTH, FLOOR DRY FILTER TYPE, 7'-0" W. X 8'-0" L. X 7'-0" H., WITH ONE 1.5-H.P. EXHAUST FAN, SIXTEEN 20" X 20" X 2" EXHAUST FILTERS, AND A 2'-0" DIA. X 23'-0" H. EXHAUST STACK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.

4. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.

5. COATINGS AND SOLVENT USED IN THIS SPRAY BOOTH SHALL COMPLY WITH RULE 1136.

6. RECORDS SHALL BE MAINTAINED PURSUANT TO RULE 109.

PERMIT TO OPERATE R-D45019 SUPERSEDES
PERMIT TO OPERATE R-D45019 ISSUED NOVEMBER 7, 1991

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/rb
January 31, 1992

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO CONSTRUCT/OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
R-D45019
A/N 249606
Page 1

This initial permit must be renewed by 12/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: LA-Z-BOY WEST
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373
ATTN: WILLIAM E. CHAFFEE

ID 24248

Equipment located at: SAME AS ABOVE

Equipment Description:

SPRAY BOOTH, FLOOR DRY FILTER TYPE, 7'-0" W. X 8'-0" L. X 7'-0" H., WITH ONE 1.5-H.P. EXHAUST FAN, SIXTEEN 20" X 20" X 2" EXHAUST FILTERS, AND A 2'-0" DIA. X 23'-0" H. EXHAUST STACK.

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4. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.

5. COATINGS AND SOLVENT USED IN THIS SPRAY BOOTH SHALL COMPLY WITH RULE 1136.

6. RECORDS SHALL BE MAINTAINED PURSUANT TO RULE 109.

PERMIT TO OPERATE R-D45019 SUPERSEDES
PERMIT TO OPERATE D45019 ISSUED NOVEMBER 7, 1991

FILE COPY

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/rb
November 7, 1991

FILE COPY

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

PERMIT TO CONSTRUCT/OPERATE

Permit No.
G61173
A/N 619282

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

ID 191860

Legal Owner or Operator:

ACC BLD, LLC
20951 CABOT BLVD, MG REMEDIATION, INC.
HAYWARD, CA 94545-1155

Equipment Location: 301 TENNESSEE ST, MAIN BUILDING, REDLANDS, CA 92373-8125

Equipment Description :

Sub-Slab Depressurization System (Main Building), primarily for mitigating Halogenated Hydrocarbon Intrusion, consisting of:

1. Subsystem No.1 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

2. Subsystem No.2 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

3. Subsystem No.3 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

4. Subsystem No.4 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

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5. Subsystem No.5 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

6. Subsystem No.6 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

7. Subsystem No.7 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

8. Subsystem No.8 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

9. Subsystem No.9 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

10. Subsystem No.10 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

11. Subsystem No.11 consisting of:

A. Suction pits, and riser pipes.

FILE COPY

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

12. Subsystem No.12 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

13. Subsystem No.13 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

14. Subsystem No.14 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

15. Subsystem No.15 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

16. Subsystem No.16 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

17. Subsystem No.17 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

FILE COPY

18. Subsystem No.18 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

19. Subsystem No.19 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

20. Subsystem No.20 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

21. Subsystem No.21 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

22. Subsystem No.22 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

23. Subsystem No.23 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

24. Subsystem No.24 consisting of:

A. Suction pits, and riser pipes.

FILE COPY

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

25. Subsystem No.25 consisting of:

A. Suction pits, and riser pipes.

B. Inline Fan, Fantech RN4, or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

Conditions :

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall be properly maintained and kept in good operating condition at all times.

3. A flow indicator shall be installed and maintained in all Sub-Slab Depressurization (SSD) Subsystems to indicate the air flow rate in standard cubic feet per minute (SCFM) through each SSD subsystem, and to calculate the total air flow rate through all SSD subsystems. The total flow rate shall not exceed 1000 SCFM.

   If a pressure sensing device is used in place of the flow indicator, a conversion chart shall be made available to indicate the corresponding flow rate, in SCFM to the pressure reading. The flow rate shall be measured and recorded on each monitoring visit while the system is operating.

4. Upon system startup, the concentration of Total Volatile Organic Compounds (VOC) as Hexane shall be:

   A. Measured each day during the first week of operation, at the Exhaust Stack of each Sub-Slab Depressurization Sub-system.

   B. The concentration shall be measured using a Photo Ionization Detector (PID) or an South Coast AQMD approved Organic Vapor Analyzer (OVA) calibrated in parts per million by volume of Hexane (if another calibrating agent is used, it shall be correlated to ad expressed as Hexane). Calibration shall be performed with each monitoring visit. The analyzer shall be measured and calibrated per EPA Method 21.

5. The concentration of Carcinogenic Air Contaminants in the exhaust stack of each Sub-Slab Depressurization Sub-system shall not exceed the following emission limits:

Compounds	Permit Limit (PPMV)
1,1-Dichloroethane	0.1
1,2-Dichloroethane	0.1
Benzene	0.1
Carbon Tetrachloride	0.1
Chloroform	0.1

p-Dichlorobenzene (1,4-Dichlorobenzene)	0.1
Naphthalene	0.1
Perchloroethylene (PCE)	0.4
Trichloroethylene (TCE)	0.1

6. Samples shall be collected and analyzed at least once every calendar week of operation for the first five weeks of operation, and once per month for the first three months, and quarterly thereafter, for total volatile organic compounds and speciated for: 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE) as follows:

   A. Bag or Canister samples shall be collected at the exhaust stack of each Sub-Slab Depressurization Subsystem.

   B. Sampling and analysis for the initial sampling event shall be conducted by an independent laboratory per Rule 304.

   C. Sampling shall conform to CARB Mehod 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as South Coast AQMD Method 25.1/25.3 or other methods approved by the South Coast AQMD.

   D. Analysis shall be conducted using EPA Method TO-15 or other method(s) approved by South Coast AQMD. The laboratory analysis detection levels shall be lower than the concentration limits specified in the conditions of this permit.

7. The Vapors vented by this equipment shall not contain any Carcinogenic Air Contaminant as identified in Rule 1401 Risk Assessment Proceedures Attachment "N" version 8.1, except for 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE).

8. The concentration of Total VOC in the exhaust stack of each Sub-Slab Depressurization Sub-System shall not exceed 10 ppmv as Hexane.

9. The operator shall submit to the South Coast AQMD in writing the results of the first six months of operating records, including but not limited to: Monitoring Data, Lab Analysis, and Flow Readings, to prove compliance with the conditions of this permit. The first report shall be submitted within 45 days of the start-up date and addressed to:

   South Coast AQMD
   Energy and Waste Management Unit, Engineering and Permitting
   21865 Copley Drive
   Diamond Bar, CA 91765-4178

The report shall include the equipment location, application number, permit number, and the sampling and analysis dates and results. Subsequent reports shall be submitted to the South Coast AQMD in writing within 30 days after the submittal of the previous report.

10. This permit to construct/operate shall expire if construction of this equipment is not completed within one year from the date of issuance of this permit unless an extension is granted by the South Coast AQMD.

11. The operator shall keep and maintain records to prove compliance with all the permit conditions of this permit. Individual records shall be retained on file for at least two years and made available to the Executive Officer or his representative upon request.

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/FE01
3/31/2020

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

Permit No.
G61174
A/N 619283

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

Legal Owner or Operator:

ID 191860

ACC BLD, LLC
20951 CABOT BLVD, MG REMEDIATION, INC.
HAYWARD, CA 94545-1155

Equipment Location: 301 TENNESSEE ST, MAIN BUILDING, REDLANDS, CA 92373-8125

Equipment Description :

Sub-Slab Depressurization System (Foam Processing Bldg.), primarily for mitigating Halogenated Hydrocarbon Intrusion, consisting of:

1. Suction Pits and Riser Pipes.
2. Extraction Blower, Obar GBR76 UD Blower or equivalent, Maximum Flow Rate 40 cfm.
3. Exhaust Stack, 3-inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

Conditions :

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be properly maintained and kept in good operating condition at all times.
3. A flow indicator shall be installed and maintained to indicate the air flow rate through this sub-slab depressurization system. The flow rate shall not exceed 40 SCFM.

   If a pressure sensing device is used in place of the flow indicator, a conversion chart shall be made available to indicate the corresponding flow rate, in SCFM to the pressure reading. The flow rate shall be measured and recorded on each monitoring visit while the system is operating.
4. Upon system startup, the concentration of Total Volatile Organic Compounds (VOC) as Hexane shall be:

   A. Measured each day during the first week of operation, at the Exhaust Stack of each Sub-Slab Depressurization Sub-system.

   B. The concentration shall be measured using a Photo Ionization Detector (PID) or an South Coast AQMD approved Organic Vapor Analyzer (OVA) calibrated in parts per million by volume of Hexane (if another calibrating agent is used, it shall be correlated to ad expressed as Hexane). Calibration shall be performed with each monitoring visit. The analyzer shall be measured and calibrated per EPA Method 21.

FILE COPY

5. The concentration of Carcinogenic Air Contaminants in the exhaust stack of each Sub-Slab Depressurization Sub-system shall not exceed the following emission limits:

Compounds	Permit Limit (PPMV)
1,1-Dichloroethane	0.1
1,2-Dichloroethane	0.1
Benzene	0.1
Carbon Tetrachloride	0.1
Chloroform	0.1
p-Dichlorobenzene (1,4-Dichlorobenzene)	0.1
Naphthalene	0.1
Perchloroethylene (PCE)	0.4
Trichloroethylene (TCE)	0.1

6. Samples shall be collected and analyzed at least once every calendar week of operation for the first five weeks of operation, and once per month for the first three months, and quarterly thereafter, for total volatile organic compounds and speciated for: 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE) as follows:

   A. Bag or Canister samples shall be collected at the exhaust stack of each Sub-Slab Depressurization Subsystem.

   B. Sampling and analysis for the initial sampling event shall be conducted by an independent laboratory per Rule 304.

   C. Sampling shall conform to CARB Mehod 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as South Coast AQMD Method 25.1/25.3 or other methods approved by the South Coast AQMD.

   D. Analysis shall be conducted using EPA Method TO-15 or other method(s) approved by South Coast AQMD. The laboratory analysis detection levels shall be lower than the concentration limits specified in the conditions of this permit.

7. The Vapors vented by this equipment shall not contain any Carcinogenic Air Contaminant as identified in Rule 1401 Risk Assessment Proceedures Attachment "N" version 8.1, except for 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE).

8. The concentration of Total VOC in the exhaust stack of each Sub-Slab Depressurization Sub-System shall not exceed 10 ppmv as hexane.

9. The operator shall submit to the South Coast AQMD in writing the results of the first six months of operating records, including but not limited to: Monitoring Data, Lab Analysis, and Flow Readings, to prove compliance with the conditions of this permit. The first report shall be submitted within 45 days of the start-up date and addressed to:

   South Coast AQMD
   Energy and Waste Management Unit, Engineering and Permitting
   21865 Copley Drive
   Diamond Bar, CA 91765-4178

   The report shall include the equipment location, application number, permit number, and the sampling and analysis dates and results. Subsequent reports shall be submitted to the South Coast AQMD in writing within 30 days after the submittal of the previous report.

10. This permit to construct/operate shall expire if construction of this equipment is not completed within one year from the date of issuance of this permit unless an extension is granted by the South Coast AQMD.

11. The operator shall keep and maintain records to prove compliance with all the permit conditions of this permit. Individual records shall be retained on file for at least two years and made available to the Executive Officer or his representative upon request.

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/FE01
3/31/2020

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 04549

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-Boy West Appl. No. 02262E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Paint Spray Booth No. 3, DeVilbiss, DT6026 (7' H x 8' W x 6' D) with 1.5 HP Blower (7,840 CFM) and Sixteen 20" x 20" Filters, 44.4 Square Feet. Total - 1.5 HP.

CONDITION: Filters shall be maintained in a tightly mounted and dimensionally stable condition.

This initial permit must be renewed by April 2, 1982 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 013 60000a 8025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE April 2, 1981

76P234C - 11/7

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 04550

Operation under this permit must be conducted in compliance with all representations included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 3 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY West

Appl. No. 02263E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Paint Spray Booth No. 4, DeVilbiss, DT6026 (7' H x 8' W x 6' D) with 1.5 HP Blower (7,840 CFM) and Dry Baffle-Type Filters. Total - 1.5 HP.

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Initial permit must be renewed by April 2, 1982 and on annual date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by application date, contact this office above.

Permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 012 60000a 8025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE April 2, 1981

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

E 04551

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY West

Appl. No. 02264E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Glue Spray Booth No. 5, DeVilbiss (Type 44563) with 0.25 HP Blower (2,000 CFM), 7'6" W x 7'9" H x 4' D.
Total - 0.25 HP.

This initial permit must be renewed by April 2, 1982 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 011 60000a 8025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE April 2, 1981

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 04552

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY West

Appl. No. 02265E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Glue Spray Booth No. 6, DeVilbiss, Custom Made with 0.25 HP Blower (3,000 CFM), 9' W x 7' H x 4' D.
Total - 0.25 HP.

This initial permit must be renewed by April 2, 1982 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 010 60000a 4025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

By Grace F. Moore

DATE April 2, 1981

76P234C - 11/78

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

E 04553

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY West Appl. No. 02266E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Glue Spray Booth No. 7, DeVilbiss (Type 44563-004) with 0.25 HP Blower (2,000 CFM), 8' W x 8' H x 4' D. Total - 0.25 HP.

This initial permit must be renewed by April 2, 1982 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 009 60000a 8025

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

By Janice F. Moore

DATE April 2, 1981

76P234C - 11/78

.H COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

EASTERN ZONE

E 02559
B

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 20 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: La-Z-Boy West
EQUIPMENT LOCATED AT: 301 Tennessee Street
Redlands, CA 92373

EQUIPMENT DESCRIPTION AND CONDITIONS:

Disk Delivery Type Paint Spray Booth (Stain), Ransburg Circular, Floor Mounted, 7' D X 7' H, with 1.5 HP Exhaust Fan and Six 20" X 20" X 2" Filters Consisting of Twelve 1" Units. 24" D, X 24" H Exhaust Stack. Total - 1.5 HP.

CONDITION: 1. Material sprayed shall be non-photochemically reactive.
2. Paint booths must be kept in good operating condition at all times.

This initial permit must be renewed by April 7, 1979 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 003 2500Da 4078

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY Gerald W. Longe

DATE April 7, 1978

76P234E- 2/77

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

EASTERN ZONE

E 02560
B

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

APP 009828

LEGAL OWNER OR OPERATOR: La-Z-Boy West
301 Tennessee Street
EQUIPMENT LOCATED AT: Redlands, CA 92373

EQUIPMENT DESCRIPTION AND CONDITIONS:

Disk Delivery Type Paint Spray Booth (Lacquer) Ransburg Circular, Floor Mounted, 7' D X 7' H, with 1.5 HP Exhaust Fan and Six 20" X 20" X 2" Filters Consisting of Twelve 1" Units. 24" D X 23' H. Exhaust Stack. Total - 1.5 HP.

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CONDITIONS: 1. Material sprayed shall be non-photochemically reactive.
2. Paint booths must be kept in good operating condition at all times.

This initial permit must be renewed by April 7, 1979 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 004 2500Da 807R

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY Richard W. Lange

DATE April 7, 1978

76P234E-2/77

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

E 04632

COLTON OFFICE - 22850 Cooley Drive, Colton, California 92324

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206 this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY WEST

Appl. No. 02428E

EQUIPMENT LOCATED AT: 301 Tennessee Street, Redlands, California

EQUIPMENT DESCRIPTION AND CONDITIONS:

Paint Drying Oven, Consisting of: Oven, Dry Clime IFR-Red, Model 72-4-500, Serial No. 4447-769, Equipped with Two Hundred Eighty-Eight 500 Watt Heating Lamp and a 0.75 HP Blower Motor. Total - 144 KVA.

This initial permit must be renewed by May 11, 1982 or an earlier date if equipment is moved, altered, or change ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAQMD 006 230000a 8115

VOID UNLESS VALIDATED

EXECUTIVE OFFICER

BY Janice F. Moore

DATE May 11, 1981

76P234C - 11/78

PERMIT TO CONSTRUCT/OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

ID 191860

Legal Owner or Operator:

ACC BLD, LLC
20951 CABOT BLVD, MG REMEDIATION, INC.
HAYWARD, CA 94545-1155

Equipment Location: 301 TENNESSEE ST, MAIN BUILDING, REDLANDS, CA 92373-8125

Equipment Description :

Sub-Slab Depressurization System (Main Building), primarily for mitigating Halogenated Hydrocarbon Intrusion, consisting of:

1. Subsystem No.1 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

2. Subsystem No.2 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

3. Subsystem No.3 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

4. Subsystem No.4 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

5. Subsystem No.5 consisting of:

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A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

6. Subsystem No.6 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

7. Subsystem No.7 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

8. Subsystem No.8 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

9. Subsystem No.9 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

10. Subsystem No.10 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

11. Subsystem No.11 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

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C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

12. Subsystem No.12 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

13. Subsystem No.13 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

14. Subsystem No.14 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

15. Subsystem No.15 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

16. Subsystem No.16 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

17. Subsystem No.17 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

18. Subsystem No.18 consisting of:

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A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

19. Subsystem No.19 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 80 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

20. Subsystem No.20 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

21. Subsystem No.21 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

22. Subsystem No.22 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 98 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

23. Subsystem No.23 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

24. Subsystem No.24 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 40 SCFM flowrate.

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C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

25. Subsystem No.25 consisting of:

A. Suction pits, and riser pipes.

B. Inline Fan, Fantech RN4, or equivalent, Maximum 40 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

Conditions :

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall be properly maintained and kept in good operating condition at all times.

3. A flow indicator shall be installed and maintained in all Sub-Slab Depressurization (SSD) Subsystems to indicate the air flow rate in standard cubic feet per minute (SCFM) through each SSD subsystem, and to calculate the total air flow rate through all SSD subsystems. The total flow rate shall not exceed 1000 SCFM.

   If a pressure sensing device is used in place of the flow indicator, a conversion chart shall be made available to indicate the corresponding flow rate, in SCFM to the pressure reading. The flow rate shall be measured and recorded on each monitoring visit while the system is operating.

4. Upon system startup, the concentration of Total Volatile Organic Compounds (VOC) as Hexane shall be:

   A. Measured each day during the first week of operation, at the Exhaust Stack of each Sub-Slab Depressurization Sub-system.

   B. The concentration shall be measured using a Photo Ionization Detector (PID) or an South Coast AQMD approved Organic Vapor Analyzer (OVA) calibrated in parts per million by volume of Hexane (if another calibrating agent is used, it shall be correlated to ad expressed as Hexane). Calibration shall be performed with each monitoring visit. The analyzer shall be measured and calibrated per EPA Method 21.

5. The concentration of Carcinogenic Air Contaminants in the exhaust stack of each Sub-Slab Depressurization Sub-system shall not exceed the following emission limits:

Compounds	Permit Limit (PPMV)
1,1-Dichloroethane	0.1
1,2-Dichloroethane	0.1
Benzene	0.1
Carbon Tetrachloride	0.1
Chloroform	0.1
p-Dichlorobenzene (1,4-Dichlorobenzene)	0.1
Naphthalene	0.1

Perchloroethylene (PCE)	0.4
Trichloroethylene (TCE)	0.1

6. Samples shall be collected and analyzed at least once every calendar week of operation for the first five weeks of operation, and once per month for the first three months, and quarterly thereafter, for total volatile organic compounds and speciated for: 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE) as follows:

   A. Bag or Canister samples shall be collected at the exhaust stack of each Sub-Slab Depressurization Subsystem.

   B. Sampling and analysis for the initial sampling event shall be conducted by an independent laboratory per Rule 304.

   C. Sampling shall conform to CARB Mehod 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as South Coast AQMD Method 25.1/25.3 or other methods approved by the South Coast AQMD.

   D. Analysis shall be conducted using EPA Method TO-15 or other method(s) approved by South Coast AQMD. The laboratory analysis detection levels shall be lower than the concentration limits specified in the conditions of this permit.

7. The Vapors vented by this equipment shall not contain any Carcinogenic Air Contaminant as identified in Rule 1401 Risk Assessment Proceedures Attachment "N" version 8.1, except for 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE).

8. The concentration of Total VOC in the exhaust stack of each Sub-Slab Depressurization Sub-System shall not exceed 10 ppmv as Hexane.

9. The operator shall submit to the South Coast AQMD in writing the results of the first six months of operating records, including but not limited to: Monitoring Data, Lab Analysis, and Flow Readings, to prove compliance with the conditions of this permit. The first report shall be submitted within 45 days of the start-up date and addressed to:

   South Coast AQMD
   Energy and Waste Management Unit, Engineering and Permitting
   21865 Copley Drive
   Diamond Bar, CA 91765-4178

   The report shall include the equipment location, application number, permit number, and the sampling and analysis dates and results. Subsequent reports shall be submitted to the South Coast AQMD in writing within 30 days after the submittal of the previous report.

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10. This permit to construct/operate shall expire if construction of this equipment is not completed within one year from the date of issuance of this permit unless an extension is granted by the South Coast AQMD.

11. The operator shall keep and maintain records to prove compliance with all the permit conditions of this permit. Individual records shall be retained on file for at least two years and made available to the Executive Officer or his representative upon request.

12. Individual Subsystems of this Sub-slab Depressurization System, may be individually shutdown, or removed from service. If a Subsystem is removed from service all vacuum wells shall be capped or sealed to prevent emissions of Toxic Air Contaminants.

THIS PERMIT TO CONSTRUCT/OPERATE R-G61173 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE G61173 ISSUED 3/31/2020

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/FE01
6/11/2020

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 38871

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: LA-Z-BOY WEST
301 TENNESSEE STREET
EQUIPMENT LOCATED AT: REDLANDS, CALIFORNIA

APPL. NO. 108042

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, BARON-BLAKESLEE, VAPOR SPRAY TYPE, MODEL NO. HD-425, SERIAL NO. D-6277, 2'-6" W. X 4'-0" L. (INSIDE) X 5'-2" H. (OVERALL) TANK DIMENSIONS, STEAM HEATED.

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 2 GALLONS IN ANY ONE DAY.

2. ONLY 1,1,1 TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE, METHYLENE CHLORIDE OR A COMBINATION OF THESE SOLVENTS MAY BE USED AS THE CLEANING SOLVENT IN THIS EQUIPMENT.

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This initial permit must be renewed by 12/18/84 unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

VOID UNLESS VALIDATED

EXECUTIVE OFFICER
J. A. STUART

BY VIRGINIA MOY

DATE 06/15/84

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

PERMIT TO CONSTRUCT/OPERATE

Permit No.
G62870
A/N 623752

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

ID 191860

Legal Owner or Operator:

ACC BLD, LLC
380 NEW YORK ST, ATTN: VERONICA BURGESS
REDLANDS, CA 92373

Equipment Location: 301 TENNESSEE ST, MAIN BUILDING, REDLANDS, CA 92373-8125

Equipment Description :

Sub-Slab Depressurization System (Main Building), primarily for mitigating Halogenated Hydrocarbon Intrusion, consisting of:

1. Subsystem No.1 consisting of:
   - A. Suction pits, and riser pipes.
   - B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.
   - C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.
2. Subsystem No.2 consisting of:
   - A. Suction pits, and riser pipes.
   - B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.
   - C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.
3. Subsystem No.3 consisting of:
   - A. Suction pits, and riser pipes.
   - B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.
   - C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.
4. Subsystem No.4 consisting of:
   - A. Suction pits, and riser pipes.
   - B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.
   - C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

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5. Subsystem No.5 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

6. Subsystem No.6 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

7. Subsystem No.7 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

8. Subsystem No.8 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

9. Subsystem No.9 consisting of:

   A. Suction pits, and riser pipes.

   B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

   C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

10. Subsystem No.10 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

11. Subsystem No.11 consisting of:

    A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

12. Subsystem No.12 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

13. Subsystem No.13 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

14. Subsystem No.14 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

15. Subsystem No.15 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

16. Subsystem No.16 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

17. Subsystem No.17 consisting of:

A. Suction pits, and riser pipes.

B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

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18. Subsystem No.18 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

19. Subsystem No.19 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR76 UD or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

20. Subsystem No.20 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

21. Subsystem No.21 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

22. Subsystem No.22 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

23. Subsystem No.23 consisting of:

    A. Suction pits, and riser pipes.

    B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 50 SCFM flowrate.

    C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

24. Subsystem No.24 consisting of:

    A. Suction pits, and riser pipes.

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B. Extraction Blower, Obar, GBR75 SOE or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

25. Subsystem No.25 consisting of:

A. Suction pits, and riser pipes.

B. Inline Fan, Fantech RN4, or equivalent, Maximum 50 SCFM flowrate.

C. Exhaust Stack, 3 inch I.D., with a vertical discharge of 20 feet above grade, without a rain cap.

Conditions :

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall be properly maintained and kept in good operating condition at all times.

3. A flow indicator shall be installed and maintained in all Sub-Slab Depressurization (SSD) Subsystems to indicate the air flow rate in standard cubic feet per minute (SCFM) through each SSD subsystem, and to calculate the total air flow rate through all SSD subsystems. The total flow rate shall not exceed 1250 SCFM.

   If a pressure sensing device is used in place of the flow indicator, a conversion chart shall be made available to indicate the corresponding flow rate, in SCFM to the pressure reading. The flow rate shall be measured and recorded on each monitoring visit while the system is operating.

4. Upon system startup, the concentration of Total Volatile Organic Compounds (VOC) as Hexane shall be:

   A. Measured each day during the first week of operation, at the Exhaust Stack of each Sub-Slab Depressurization Sub-system.

   B. The concentration shall be measured using a Photo Ionization Detector (PID) or an South Coast AQMD approved Organic Vapor Analyzer (OVA) calibrated in parts per million by volume of Hexane (if another calibrating agent is used, it shall be correlated to ad expressed as Hexane). Calibration shall be performed with each monitoring visit. The analyzer shall be measured and calibrated per EPA Method 21.

5. The concentration of Carcinogenic Air Contaminants in the exhaust stack of each Sub-Slab Depressurization Sub-system shall not exceed the following emission limits:

Compounds	Permit Limit (PPMV)
1,1-Dichloroethane	0.1
1,2-Dichloroethane	0.3
Benzene	0.1
Carbon Tetrachloride	0.1
Chloroform	0.1

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p-Dichlorobenzene (1,4-Dichlorobenzene)	0.1
Naphthalene	0.1
Perchloroethylene (PCE)	0.4
Trichloroethylene (TCE)	0.4

6. Samples shall be collected and analyzed at least once every calendar week of operation for the first five weeks of operation, and once per month for the first three months, and quarterly thereafter, for total volatile organic compounds and speciated for: 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE) as follows:

   A. Bag or Canister samples shall be collected at the exhaust stack of each Sub-Slab Depressurization Subsystem.

   B. Sampling and analysis for the initial sampling event shall be conducted by an independent laboratory per Rule 304.

   C. Sampling shall conform to CARB Mehod 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as South Coast AQMD Method 25.1/25.3 or other methods approved by the South Coast AQMD.

   D. Analysis shall be conducted using EPA Method TO-15 or other method(s) approved by South Coast AQMD. The laboratory analysis detection levels shall be lower than the concentration limits specified in the conditions of this permit.

7. The Vapors vented by this equipment shall not contain any Carcinogenic Air Contaminant as identified in Rule 1401 Risk Assessment Proceedures Attachment "N" version 8.1, except for 1,1-Dichloroethane; 1,2-Dichloroethane; Benzene; Carbon Tetrachloride; Chloroform; p-Dichlorobenzene (1,4-Dichlorobenzene); Naphthalene; Perchloroethylene (PCE) and Trichloroethylene (TCE).

8. The concentration of Total VOC in the exhaust stack of each Sub-Slab Depressurization Sub-System shall not exceed 25 ppmv as Hexane.

9. The operator shall keep and maintain records to prove compliance with all the permit conditions of this permit. Individual records shall be retained on file for at least two years and made available to the Executive Officer or his representative upon request.

10. Individual Subsystems of this Sub-slab Depressurization System, may be individually shutdown, or removed from service, or vented to a carbon adsorber (Rule 219 exempt modification). If a Subsystem is removed from service all vacuum wells shall be capped or sealed to prevent emissions of Toxic Air Contaminants.

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/FE01
9/17/2020

FILE COPY

Barbara Lee
Review & file —

SPECIAL INSPECTORS REPORT

Bar

PROJECT	INDUSTRIAL BUILDING ADDITION
LOCATION	301 Tennesee, Redlands
OWNER	Lazy Boy West
PERMIT OR APPLICATION NO.	#8758
GENERAL CONTRACTOR	Robert H. Schuler
WORK INSPECTED:	Chord Bar Welding
WORK PERFORMED BY	Pete's Welding
FIELD HOURS:	TRAVEL TIME

No inspection will be done unless plans and specifications are available.

The following was noted:

PLANS AND SPECIFICATIONS BY: Terry Haden

DESCRIPTION OF WORK: Welding of chord bar connections on concrete titl-up panels for addition to existing industrial building. Riginal welding design was unable to get adequate weld at connections. The engineer approved an additional matching size bar welded to each chord bar connection

WELDER:: Peter VanKinkle - City of Los Angeles #F-1170

ELECTRODE: 8018 B-2

All work covered by this report has been satisfactorily completed, unless noted above, and conforms to the approved plans and specifications.

INSPECTION ACKNOWLEDGED BY _____

REPRESENTING _____

SIGNED Tom Mauelus
Special Inspector

DATE 12/17/86 NO 386 Orange County

PERMIT AND INSPECTION RECORD

BUILDING AND SAFETY DEPT.

JOB ADDRESS 301 Tennessee

TRACT _____ LOT _____

PERMIT NO. 8758 DATE 10-23-86

OWNER Ja-Z-Boy

ADDRESS _____

CONTRACTOR _____

ADDRESS _____

LICENSE NO. _____

JOB DESCRIPTION Addition of Storage Building

AREA _____ VALUE 468,000

FEES:

BUILDING			$ 560.63
PLAN CHECK			$ 362.50
ELECTRICAL			$ 25.50
PLUMBING			$
GRADING		CU YDS	$
PAVING		SQ FT	$
MECHANICAL			$
SMI			$ 32.76
PARK			$
STORM DRAIN			$ 1466.25
SEWER			$
TOTAL.....			$ 2947.64

BB 2-4-87 ZRJ
BB wall 2-6-87 ZRJ

2 FEB 87 - FTG AT 8' GARDEN WALL

INSPECTIONS

FORMS 12-2-86 ZRJ (Partial) 12-4-86 ZRJ. 12-7-86 ZRJ.

ROUGH PLUMBING _____

FLOOR SLAB 11-12-86 B

ROOF SHEATHING 1-6-87 ZRJ

FIREPLACE _____

FRAMING 3-27-87

DUCTS _____

TOP OUT _____

ROUGH WIRE _____

INSULATION 3-27-87 ZRJ.

EXT/INT LATH _____

TANK & PIT _____

SEWER _____

GAS TEST _____

FINAL 7-27-87 ZRJ

INSPECTION ~~SWIM POOLS~~

~~STEEL &~~ BOND Steel @ Parapet 11-25-86 B

ROUGH PLUMBING Pour Strip 12-24-86 ZRJ

ELECTRICAL _____

GAS TEST _____

EQUIPMENT, FENCES, GATES (FINAL) _____

SEWER/TANK & PIT LOCATION:

Tilt up ~~Plan~~ panels 1-18 11-24-86 Jaber

PERMIT AND INSPECTION RECORD

JOB ADDRESS 301 Tennessee

PERMIT NO. 9279 DATE 3-12-87

OWNER Ida-2-Bay

ADDRESS

CONTRACTOR

ADDRESS

PHONE #

LICENSE NO.

JOB DESCRIPTION:

54' of 3' high retaining wall

VALUATION: $860

FEES:

PLAN CHECK			$
BUILDING			$ 19.00
ELECTRICAL			$
PLUMBING			$
GRADING		CU YDS	$
PAVING		SQ FT	$
MECHANICAL			$
SMI			$ .50
SOLAR			$
STORM DRAIN			$
SEWER			$
MISCELLANEOUS			$
TOTAL FEES DUE			$ 19.50

INSPECTIONS

FOOTINGS _____

FLOOR SLAB _____

ROUGH PLUMBING _____

ROOF SHEATHING _____

FIREPLACE _____

FRAMING _____

DUCTS _____

ROUGH WIRING _____

TOP OUT _____

INSULATION _____

EXT/INT LATH _____

SEWER _____

TANK AND PIT _____

GAS TEST _____

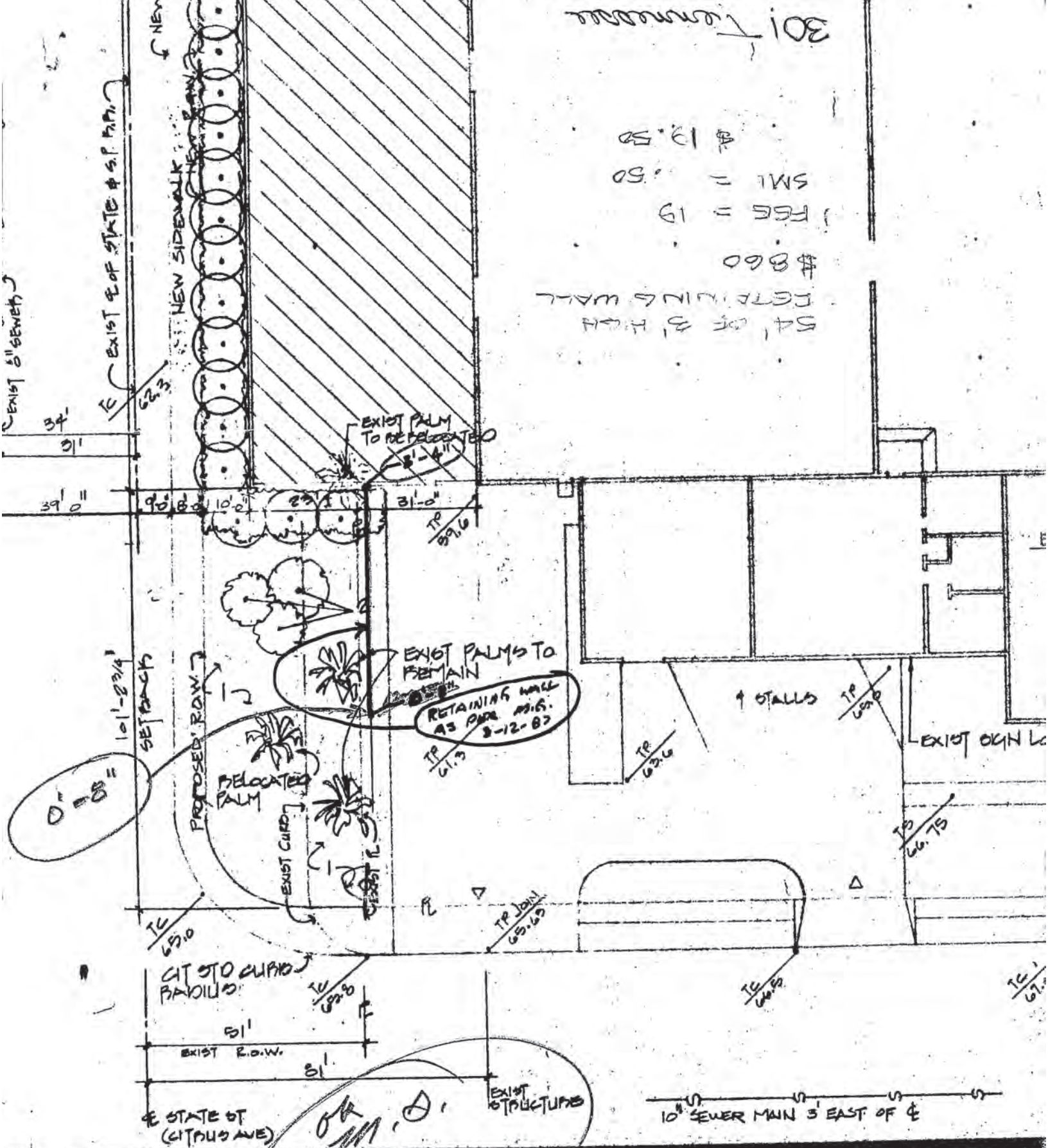
FINAL 10-5-88 _____

INSPECTIONS FENCES/WALLS

FOOTINGS _____

BOND BEAM _____

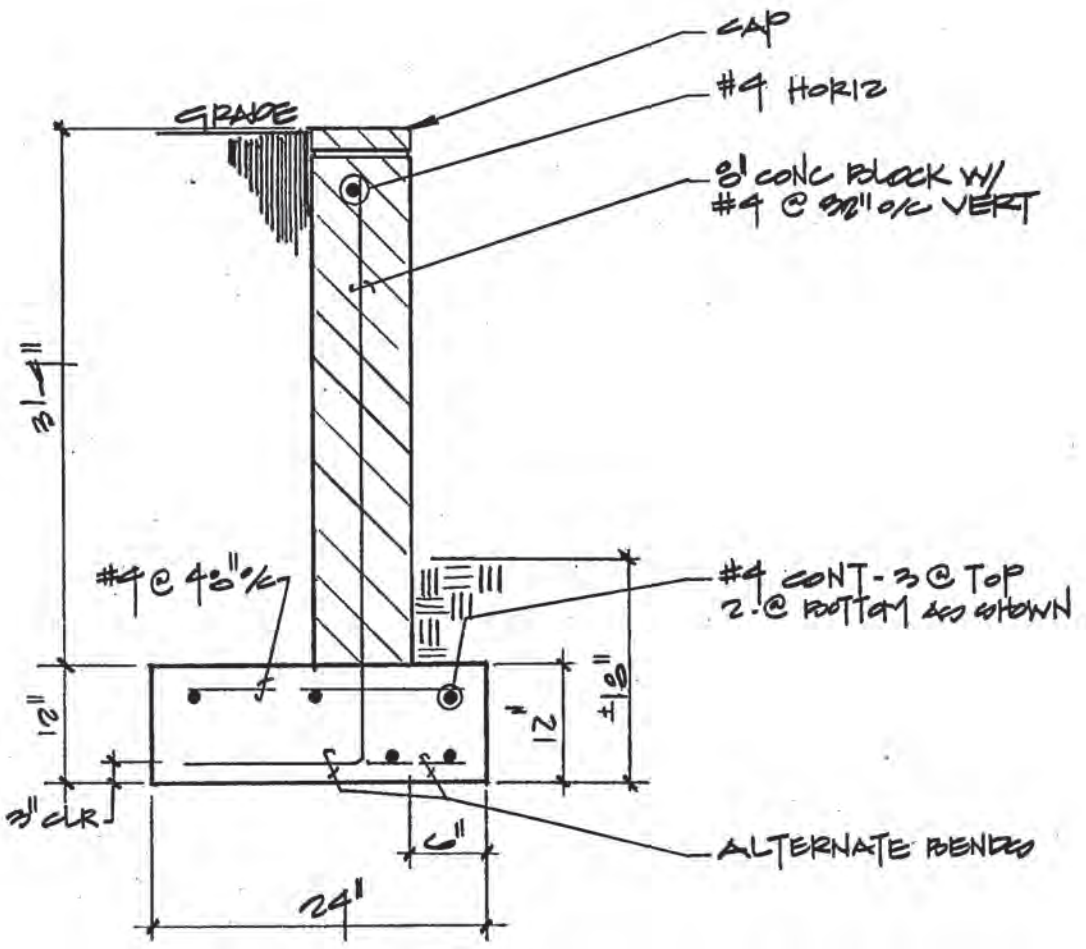
SEWER, TANK & PIT LOCATION



301 Tennessee
$19.50
SMI = .50
FEE = 19
$860
54' OF 3' HIGH
RETAINING WALL
NEW SIDEWALK
EXIST ℄ OF STATE & S.P. R.R.
EXIST 8" SEWER
TC 62.3
34'
31'
39' 0"
EXIST PALM TO BE RELOCATED
3'-4"
31'-0"
TP 59.6
EXIST PALMS TO REMAIN
RETAINING WALL AS PER M.G. 3-12-87
TP 61.3
101'-2 3/4" SETBACK
PROPOSED R.O.W.
0'-8"
RELOCATED PALM
EXIST CURB
EXIST ℄
TC 65.0
TP JOIN 65.63
CIT STD CURB RADIUS
TC 65.8
51'
EXIST R.O.W.
81'
℄ STATE ST (CITRUS AVE)
EXIST STRUCTURE
10" SEWER MAIN 3' EAST OF ℄
4 STALLS
TP 65.0
TP 63.6
EXIST SIGN LO
TS 66.75
TC 66.5
TC 67.

ok M. D.

3/12/89



BLOCK RETAINING WALL

SC 3/4" = 1'-0"

ORIGNAL

APPLICATION
BUILDING PERMIT

Building Inspection Division
CITY OF REDLANDS

PERMIT NO. 10696 DATE Dec. 6, 1965

Locat. 301 TENNESSEE STREET

Owner
Name LA-Z-BOY CHAIR COMPANY
Address 1284 N. Telegraph Rd. Monroe, Mich.

Arch.
Name Leon Armantrout
Address 451 Summit Ave., Redlands

Contractor
Name FORSBERG & GREGORY
Address 14 N. Fourth St. Redlands
License Nos.: City State

LEGAL DESCRIPTION

Lot No. Map No.
Block Tract No.

Use LA-Z-BOY West -Industrial Building

Size of Lot	Size Bldg.	Fire District
10 Acres + -	72,000 sq ft	

Height	Stories	Type	Zone
16'	One	Tilt Up Conc.	

Left Side	Set Back Front	Right Side
As per plans	and Specifications	

TOTAL VALUE $ 487,225.00
(Including labor, material, wiring, heating, plumbing, etc.

FEE $ 603.50
P.C. 301.75

Inspections: Date

Set-backs Approved
Excavation Approved
Rough Framing Approved
Lathing Approved: Exterior
Interior
Final Approved
Remarks:

FORM NO. - INSP. 4 Validated 12-6-65 mk BFR - 4-1-66

ftgs (piers) for lacquer storage room 1-13-66 HS
south loading dock ftgs 1-17-66 HS
South east section floor slab - 1-17-66 HS
all but west side wall of office ftgs 1-20-66 HS
South west floor slab section 1-21-66 HS
center west slab section
south dock wall } 1-24-66 HS
Office slab
lacquer storage room slab } 1-28-66 HS

1st 10 tilt up panels
2 so. center slab sections } 2-4-66 HS
4 Panels & some Slab 2-11-66 EQ
1 south panel 5 so west panels 2-14-66 HS
6 panels - 2-16-66 EQ
10 tilt up panels
2 slab sections } 2-17-66 HS
1 tilt up 1 slab section
wall ftgs so side dock wall + piers } 2-23-66 HS
4 tilt ups
1 wall footing } 2-25-66 HS

7 tilt ups 3-1-66 HS
8 " " 3-3-66 EQ
2 ftgs 3-7-66 EQ
forms for lacquer storage pit 3-24-66 HS
Slab steel 4-11-66 EQ
Front walks 7-19-66 EQ
framing off HS
roof off HS

ORIGINAL

APPLICATION
ELECTRICAL PERMIT

Inspection Division
CITY OF REDLANDS

PERMIT NO. 10774 DATE 12-30-65

Locat. 301 Tennessee St

Owner
Name La-Z-Boy Chair Co
Address

Contractor
Name Electric Air
Address 840 No. Sierra Way San Bdno
License Nos.: City State

Type of Occupancy
Residential ☐ Commercial ☐

Load
Conduit Size
Wire Size
Switch Size

	Square Footage	Fee	No.	Motors	Fee
Res.					
Gar.					
No.	Outlets				
	Light				
	Plug				
	Switch				
	Fixtures			Misc.	
	Heater		1	Temp Pole	2 00
	Range				
	Oven				
	W. Heater			Meter Loop	
	Fans			PERMIT FEE	1 00
				Total	
	Total			Total Fee	3 00

Inspections: Date
Rough Wiring
Final 1-3-66 JS

Remarks:

FORM - NO. INSP. 3

Val. 12-30-65 mh

ORIGINAL

APPLICATION
PLUMBING PERMIT

Building Inspection Division
CITY OF REDLANDS

PERMIT NO. 11036 DATE 2-24-66

Locat. 306 Tennessee St

Owner Name La-Z-Boy

Address

Contractor Name Mowery Plumbing

Address 170 E. La Cadena

License Nos.: City State

No.	Fixtures, Etc	Fee	No.	Fixtures, Etc	Fee
13	Toilets	19 50	4	Drinking Fountains	6 00
	Bath Tubs		4	Floor Sink	6 00
11	Lavatories	16 50	3	Floor Drains	4 50
1	Sinks	1 50	5	Urinals	7 50
2	~~Laundry Trays~~ Service Sinks	3 00		Filtering System - Pool	
	Showers			Septic Tank	
1	Water Heaters	1 50	1	Seepage Pit	5 00
9	Gas Outlets	2 70	1	House Sewer	5 00
	Clothes Washer			Pressure Regulator & Relief Valve	
	Dish Washers				
	Disposal				
	Water Softeners				
	Yard Sprinkling System				
	Refrigeration Drains				
	Fire Sprinkling System			PERMIT FEE	2 00
				TOTAL FEE	80 70

Inspections: 3-28-66 S.O. Date

Rough Plumbing 2-25-66 S.O. 4-25-66 S.O.

Top Out 5-20-64 S.O.

Gas Piping

Heating

Septic Tank

Seepage Pit

Sewer 4-22-66 S.O.

Final 8-11-66 S.O.

Remarks:

Validated 2-24-66 mk

FORM - NO. INSP. 8

Rough plans. 4-26-66 S.O.
5-24-66 S.O.
6-14-66 S.O.
6-20-66 S.O.
6-21-66 S.O.
6-22-66 S.O.
6-23-66 S.O.
6-30-66 S.O.
7-1-66 S.O.

APPLICATION FOR SIGN PERMIT

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 11657 **DATE** 7-2066

TO BE FILLED IN BY APPLICANT

Location 301 TENNESSEE ST

Owner LA-Z-BOY WEST Tel. No. .....

Address same

Contractor RAY HEEMSTRA ~~Tel~~ No. .....

Address 1425 PARK AVE

License No., City ..... State .....

TYPE OF SIGN CONSTRUCTION

New ✓ Repair ..... Replacement ..... Temporary .....

Metal ✓ Wood ..... Electric ..... Other .....

TYPE OF LETTERS

Plain ✓ Reflected ..... Electric ..... Illuminated .....

Illuminated gas type neon .....

LOCATION ON PROPERTY

Front of building ✓ Side of building .....

Rear of building ..... Roof of building .....

Parapet wall ..... Parking area .....

TYPE OF SIGN

Pole sign ..... Combination sign .....

Wall sign ..... Roof sign .....

Fin sign ..... Projecting sign .....

Approved by Board of Fire Underwriters .....

DIMENSIONS

Weight ..... Area ..... Height .....

Horizontal dimension 60' Vertical dimension 1'

Clearance above sidewalk ..... Length over sidewalk .....

Planning Dept. approval ..... Date .....

Valuation $ 500.00

Total Permit Fee $ 5.00

Validation check 7-20-66 mk

Remarks .....

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Supports		
Frames & anchors		
Final	BJS	11-23-66

Remarks

APPLICATION FOR
BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 11682 **DATE** 7-22-66

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee St.

Owner La-Z Boy Tel. No.

Address

Contractor Viking Automatic Sprinklear Co.

Address

License No., City State

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial Industrial X Residential Other

Total Valuation $ 5,500.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 21.00

Plan Check Fee $ 10.50

Total Fee $ 31.50

Validation Check 7-22-66 mk

Remarks Installation of Fire Sprinklers in Office Area

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final		

Remarks:

APPLICATION
ELECTRICAL PERMIT

Inspection Division
CITY OF REDLANDS

PERMIT NO. 11829 DATE 8-30-66

Locat. 301 Tennessee St

Owner
Name La-Z-Boy
Address

Contractor
Name Electric Air
Address San Bdno
License Nos.: City State

Type of Occupancy
Residential ☐ Commercial ☑

Load
Conduit Size
Wire Size
Switch Size

	Square Footage	Fee		No.	Motors	Fee	
Res.				6	Transf 1-10KVA 1-25" 1-37½" 3-75"	24	00
Gar.							
No.	Outlets			25	HP Comp.	3	00
51	Light	7	10	1	Circ Pump	1	00
200	Plug	20	00				
17	~~Switch~~ Merc Vap	4	20	2	Time Sw.	2	00
133	Fixtures	15	30		Misc.		
	Heater						
	Range				Trolley 3360'	67	20
	Oven			11	Panels	11	00
	W. Heater			1	Meter Loop	1	00
3	Fans	3	00		PERMIT FEE	1	00
2	Drink Fount.	2	00		Total		
	Total				Total Fee	161	80

Inspections: Date
Rough Wiring O.K. S.O.
Final 10-21-66 S.O.

Remarks: Original Contract Permit

FORM - NO. INSP. 3 Validated 8-30-66 mh

APPLICATION
ELECTRICAL PERMIT

Inspection Division
CITY OF REDLANDS

PERMIT NO. 11831 DATE 8-30-66

Locat. 301 Tennessee St

Owner
Name La-Z-Boy
Address

Contractor
Name Electric Serv
Address
License Nos.: City State

Type of Occupancy
Residential ☐ Commercial ☑

Load
Conduit Size
Wire Size
Switch Size

	Square Footage	Fee	No.	Motors	Fee
Res.					
Gar.					
No.	Outlets				
	Light				
	Plug				
	Switch				
	Fixtures			Misc.	
	Heater				
	Range				
	Oven				
	W. Heater			Meter Loop	
	Fans			PERMIT FEE	1 00
				Total	
	Total			Total Fee	15 20

Inspections: Date
Rough Wiring
Final

Remarks: Additional Work

Misc - Motors

FORM - NO. INSP. 3 Validated 8-30-66 mk

Motors

Not over 1 HP |||| |||| |||| ||||

1 to 3 |||| |

2 to 8 ||||

Ohio
+
Union

Howard Phoenix

159.76
60.00

99.76

173.76
60.60

113.16

~~90~~

~~150~~

80
6

140

70
3

2 70

210

91.00

ORIGINAL

APPLICATION
PLUMBING PERMIT

Building Inspection Division
CITY OF REDLANDS

PERMIT NO. 11846 DATE 9-1-66

Locat. 301 Tennessee St

Owner
Name La-Z-Boy
Address 301 Tennessee

Contractor
Name Fred Duperron
Address 614 Orange St.
License Nos.: City 31413 State 198866

No.	Fixtures, Etc	Fee		No.	Fixtures, Etc	Fee	
	Toilets				Drinking Fountains		
	Bath Tubs				Floor Sink		
	Lavatories				Floor Drains		
	Sinks				Urinals		
	Laundry Trays				Filtering System - Pool		
	Showers				Septic Tank		
	Water Heaters				Seepage Pit		
	Gas Outlets				House Sewer		
	Clothes Washer				Pressure Regulator &		
	Dish Washers				Relief Valve		
	Disposal						
	Water Softeners						
1	Yard Sprinkling System	2	00				
	Refrigeration Drains						
	Fire Sprinkling System				PERMIT FEE	2	00
					TOTAL FEE	4	00

Inspections: **Date**

Rough Plumbing

Top Out

Gas Piping

Heating

Septic Tank

Seepage Pit

Sewer

Final 9-2-66 J.C.

Remarks:

FORM - NO. INSP. 8 Validated 9-2-66 XX

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 12267 **DATE** 12-28-66

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee St.

Owner La-Z-Boy Tel. No. .....

Address .....

Contractor Owner Tel No. .....

Address .....

License No., City ..... State .....

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
	No Change		
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial ..... Industrial ✓ Residential ..... Other .....

Total Valuation $ 1,000.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 6.00

Plan Check Fee $ .....

Total Fee $ .....

Validation Check 12-28-66 mh

Remarks 2 - 4'X4'6 door opening w/ firedoors Class A. between storage and shop area

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings	JS	OK
Steel	~~JS~~	~~JS~~
Framing & anchor bolts	JS	1-13-67
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final	JS	2-14-67

Remarks:

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 16289 **DATE** 4-10-69

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee St

Owner La Z Boy West Tel. No. .....

Address .....

Contractor Viking Automatic Sprinkler Co

Address 358 W "I" St Colton

License No., City ..... State 187293 C-16

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial ..... Industrial ✓ ..... Residential ..... Other .....

Total Valuation $ 20,160.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 77.00

Plan Check Fee $ 38.50

Total Fee $ 115.50

Validation Check .....

Remarks .....

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final		

Remarks:

MEMO FOR RECORD 9/17/69

The N-S sewer line at the rear of the addition to La-Z-Boy was found to be at a slope of 3/16" per 5' length of pipe. The owner accepted the work and assumed responsibility for all possible subsequent problems.

RHM

RHM:mh

APPLICATION FOR PLUMBING PERMIT

City of Redlands

PERMIT NO. 16296 DATE 4-11-19

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee

Owner La-Z Boy Chair Tel. No. .....

Address .....

Contractor A.B. Dwyer Tel. No. .....

Address .....

License No., City ..... State .....

Commercial ..... Residential ..... Industrial ..... Other .....

	No.	Each	Fee
Water Closets		1.50	
Bath Tubs		1.50	
Lavatories		1.50	
Sinks		1.50	
Laundry Tubs		1.50	
Showers		1.50	
Water Heaters and/or Vent		1.50	
Gas Outlets (Min. charge 1.50)	1	.30	1.50
Clothes Washers		1.50	
Dishwashers		1.50	
Garbage Disposals		1.50	
Water Softeners		1.50	
Sprinkler Systems		2.00	
Pressure Regulator and Relief Valve		1.50	
Drinking Fountains		1.50	
Floor Sinks		1.50	
Floor Drains		1.50	
Refrigerator Drains		1.50	
Urinals		1.50	
Filter Systems (Pool)		1.50	
Septic Tanks		5.00	
Seepage Pits		5.00	
Building Sewer [redacted]		5.00	5.00
Back Water Valve		2.00	
Permit Fee			$2.00
Total Fee			$ 8.50
Validation Check			

INSPECTIONS	SIGNATURE	DATE
Rough Plumbing	S. O.	6-24-69
Top Out		
Water Piping		
Underground only Gas Piping — Rough	S. O.	4-30-69
Gas Piping — Final	S. O.	9-12-69
Water Heater and/or Vent		
Septic Tank		
Seepage Pit		
Partial Building Sewer	S. O.	4-25-69
Final	S. O.	11-18-69

Remarks

SEWAGE SYSTEM DIAGRAM

MEMO FOR RECORD 9/17/69

The N-S sewer line at the rear of the addition to La-Z-Boy was found to be at a slope of 3/16" per 5' length of pipe. The owner accepted the work and assumed responsibility for all possible subsequent problems.

RHM:mh

APPLICATION
ELECTRICAL PERMIT

Building and Safety Department

CITY OF REDLANDS

PERMIT NO. 16371 DATE 4-24-69

Locat. 301 Tennessee St

Owner
Name La-Z-Boy West
Address 301 Tennessee St

Contractor
Name Arco Electric
Address P.O. Box 594 Highland

License Nos.: City ____ State ____

Type of Occupancy

Residential ☐ Commercial ☑

Load ____
Conduit Size ____
Wire Size ____
Switch Size ____

	Square Footage	Fee	No.	Motors	Fee
Res.					
Gar.					
No.	Outlets				
	Light				
	Plug				
	Switch				
	Fixtures			Misc.	
	Heater				
	Range				
	Oven				
	W. Heater		1	Meter Loop	1 00
	Fans			PERMIT FEE	2 00
				Total	
	Total			Total Fee	3 00

Inspections: underground 4-27-69 Date S.O.
4-30-69 S.O.
Rough Wiring ____
Final ____

Remarks: Receiving Service from Overhead to underground Service.

FORM - NO. INSP. 3

ORIGINAL

APPLICATION
BUILDING PERMIT

Building Inspection Division
CITY OF REDLANDS

PERMIT NO. 16419 DATE 5-1-69

Locat. 301 Tennessee Street

Owner
Name LA-Z-BOY Chair Company
Address 301 Tennessee St.

Arch.
Name
Address

Contractor
Name Forsberg & Gregory
Address 19 No. Fourth St. Redlands
License Nos.: City State

LEGAL DESCRIPTION

Lot No. Map No.
Block Tract No.

Use Industrial

Size of Lot	Size Bldg.	Fire District
	12,000 sq. ft. 100 x 120	

Height	Stories	Type	Zone
	One	Tilt Up	

Left Side	Set Back Front	Right Side
~~In NW Corner~~		

TOTAL VALUE $ 150,000.00 (Including labor, material, wiring, heating, plumbing, etc.)

276.50
FEE $ 138.25
414.75

Inspections: **Date**

Set-backs Approved
Excavation Approved
Rough Framing Approved
Lathing Approved: Exterior
Interior
Final Approved 1-20-70 JK
Remarks:

BFR 12-18-69

FORM NO. - INSP. 4

Pier ftgs: OK HS
floor slab OK HS
1st 5 tilt up panels 5-16-69 HS
tilt ups complete HS
pour collumns complet HS
block wall in foam
bldg. complet 6-17-69 HS

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 16420 **DATE** 5-1-69

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee Street

Owner LA-Z-Boy Chair Company Tel. No. .....

Address 301 Tennessee St.

Contractor Forsberg & Gregory Tel No. .....

Address 19 No. Fourth St. Redlands

License No., City ..... State .....

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**
		Tilt Up	

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bldg Size**	**Fire Zone**	**Use**
	84 x 336 28,000 sq ft		

Commercial ..... Industrial X Residential ..... Other .....

Total Valuation $ 285,000.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 411.50

Plan Check Fee $ 205.75

Total Fee $ 617.25

Validation Check .....

Remarks 84 x 336 addition on West end of existing building

BFL 12-18-69

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final	HS	1-20-70

Remarks:

Pier ftgs OK HS
floor slab OK HS

APPLICATION FOR PLUMBING PERMIT

City of Redlands

PERMIT NO. 16650 **DATE** 6-10-69

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee St.

Owner La-Z-Boy Chair Tel. No. .....

Address .....

Contractor A. V. Dwyer Tel. No .....

Address 170 E. La Cadena Riverside

License No., City ..... State .....

Commercial ..... Residential ..... Industrial ..... Other .....

	No.	Each	Fee
Water Closets	7	1.50	10.50
Bath Tubs		1.50	
Lavatories	5	1.50	7.50
Sinks (2 S.S.)	3	1.50	4.50
Laundry Tubs		1.50	
Showers		1.50	
Water Heaters and/or Vent		1.50	
Gas Outlets (Min. charge 1.50)		.30	
Clothes Washers		1.50	
Dishwashers		1.50	
Garbage Disposals		1.50	
Water Softeners		1.50	
Sprinkler Systems		2.00	
Pressure Regulator and Relief Valve		1.50	
Drinking Fountains	3	1.50	4.50
Floor Sinks	2	1.50	3.00
Floor Drains	4	1.50	6.00
Refrigerator Drains		1.50	
Urinals	2	1.50	3.00
Filter Systems (Pool)		1.50	
Septic Tanks		5.00	
Seepage Pits		5.00	
Building Sewer		5.00	
Back Water Valve		2.00	
Permit Fee			$2.00
Total Fee			$ 41.00
Validation Check			

INSPECTIONS	SIGNATURE	DATE
South End Rough Plumbing	S.O.	6-18-69
Top Out		
Water Piping		
Gas Piping — Rough	S.O.	10-8-69
Gas Piping — Final		
Water Heater and/or Vent		
Septic Tank		
Seepage Pit		
Building Sewer		
Final	S.O.	11-17-69

Remarks

SEWAGE SYSTEM DIAGRAM

APPLICATION
ELECTRICAL PERMIT

Building and Safety Department

CITY OF REDLANDS

PERMIT NO. 16849 **DATE** 7-22-69

Locat. 301 Tennessee Street

Owner
Name LA-Z-Boy Chair Company
Address 301 Tennessee St.

Contractor
Name ARCO Electric
Address P O Box 594 Highland
License Nos.: City _____ **State** _____

Type of Occupancy
Residential ☐ **Commercial** ☒

Load _____
Conduit Size _____
Wire Size _____
Switch Size _____

	Square Footage	Fee		No.	Motors	Fee	
Res.	20,000 Mfg	200	00				
Gar.	8,000 Ware	~~40~~	~~00~~				
No.	Outlets house						
	Light						
	Plug						
	Switch						
	Fixtures				Misc.		
	Heater						
	Range			(New Service on this			
	Oven			Card. Should be on the one)			
	W. Heater				Meter Loop		
	Fans				PERMIT FEE	3	00
					Total		
	Total				Total Fee	~~243~~ 243	~~00~~ 00

Inspections: **Date** 7-25-69
Rough Wiring _____
Final _____

Remarks: _____

FORM - NO. INSP. 3

APPLICATION
ELECTRICAL PERMIT

Building and Safety Department

CITY OF REDLANDS

PERMIT NO. 16849 **DATE** 7-22-69

Locat. 301 TENNESSEE STREET

Owner
Name LA-Z-BOY CHAIR COMPANY
Address 301 Tennessee Street

Contractor
Name ARCO ELECTRIC, Inc.
Address PO Box 594 Highland
License Nos.: City _____ **State** _____

Type of Occupancy
Residential ☐ **Commercial** ☒

Load _____
Conduit Size _____
Wire Size _____
Switch Size _____

	Square Footage	Fee		No.	Motors	Fee	
Res.	7,200 Mfg.	72	00				
Gar.	4,800 Whse	24	00				
No.	Outlets Warehouse						
	Light						
	Plug						
	Switch						
	Fixtures				Misc.		
	Heater			(New heaters should be on other card)			
	Range						
	Oven			1	New 1000		
	W. Heater				Meter Loop amp	10	00
	Fans				PERMIT FEE	3	00
					Total		
	Total				Total Fee	109	00

Inspections: **Date**
Rough Wiring _____
Final _____

Remarks: _____

FORM - NO. INSP. 3

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 17239 **DATE** 10/15/69

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee

Owner Lazy Boy West Tel. No.

Address 301 Tennessee

Contractor Viking Auto. Sprinkler Tel. No.

Address P.O. Box 1876, Newport Beach

License No., City State

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial ..... Industrial ..... Residential ..... Other .....

Total Valuation $ 8,000.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 38.00

Plan Check Fee $ 19.00

Total Fee $ 57.00

Validation Check

Remarks Automatic Sprinkler

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final		

Remarks:

CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO 29282

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW.

LICENSED CONTRACTORS DECLARATION

☑ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B License Number 63871

Signature F.C. Burgeson Date 12-2-95

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B.& P.C. (Attach Certificate)

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

☐ Certified copy is hereby furnished. Policy # _____

☐ Certified copy is filed with the City. Company _____

Date 12-2-95 Applicant: F.C. Burgeson

JOB SITE ADDRESS / SPACE	
301 TENNESSEE ST	
APPLICANT NAME (L. F. M) / OWNER	PHONE #
BURGESON'S HEATING & AI	793-3685
APPLICANT / OWNER ADDRESS	
620 TENNESSEE ST}}	
CITY / COMMUNITY / STATE / ZIP	
REDLANDS CA 92373	
OWNER NAME (L. F. M)	PHONE #
LA-Z-BOY,	
OWNER ADDRESS	
301 TENNESSEE}}	
CITY / COMMUNITY / STATE / ZIP	
SAME	

BOOK	PAGE	PARCEL	TOWN	RANGE	SECTION

TRACT	LOT	MODEL	TRACT NAME

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

N. ANDERSON — DIRECTOR OF BUILDING AND SAFETY

DAH — BY:

02/02/95 — Date

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred ($100) or less. I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2. Section 341. Title 8. C.A.C.).

☐ As owner-builder, I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the information given is correct. I agree to comply with all state laws and City ordinances relating to building construction, and authorize a representative of the City of Redlands, Department of Building and Safety to enter upon the property for which I have applied for this permit for the purpose of making inspections.

X F.C. Burgeson — Signature of Applicant or Agent

12-2-95 — Date

F.C. BURGESON — Print Applicant/Agent Name

CONTRACTOR FIRM NAME	LICENSE #
BURGESON'S HEATING & AIR COND., INC	
ADDRESS	PHONE
620 TENNESSEE STREET	714-793-3685
CITY/COMMUNITY/STATE/ZIP	
REDLANDS CA 92374	
ARCHITECT/ENGINEER FIRM NAME	LICENSE #
ADDRESS	PHONE
CITY/COMMUNITY/STATE/ZIP	
USE OF PERMIT	
REPLACE EXISTING HEATING AND GAS LIN	
E	

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 – (714) 387-3044.

X F.C. Burgeson
OWNER OR AUTHORIZED AGENT

PERMIT NO. RD*29282*BMP*

01.422 PLUMBING INSPE 15.00
01.424 HEAT. & AIR CO 24.00

CITY OF REDLANDS — Incorp. 1888 — CALIFORNIA

*** TOTAL PERMIT FEE ***

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City," and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workmans' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

F.C. Burgeson CONTRACTOR

BUILDING DEPT

NO.	OPERATION	DATE	INSPECTOR
	BUILDING APPROVALS		
1	Set Backs		
2	Spec. Inspection		
3	Ftgs & Forms		
3A	Slab Grade		
4	Steel		
5	Grout Blocks		
6	Bond Beams		
7	Roof Deck		
8	Framing		
8A	Insulation Walls		
9	Vents		
10	Gar. Firewall		
11	Fireplace PL ☐		
11A	Fireplace TO ☐		
12	Ext. Lath		
13	Int. Lath		
13A	Drywall		
14	Insul. Ceiling (Batts)		
14A	Insl. Ceiling (Blown)		
15	Ext. Grading		
16	Pool Pregunite		
17	Pool Fence Gate		
18	Mobile Home Set-up		
19	OCC Insp.		
20	**FINAL**		
	PLUMBING APPROVALS		
21	Grd. Plumbing		
22	Water Piping		
23	Rough Plumbing		
24	Vents		
25	Sewage Disp.		
26	Sewer		
27.	Water Heater		
28	Water Softener		
29	Water Service		
30	Gas Test + GAS LINE	2-8-95	
31	Solar		
32	**FINAL**		
	ELECTRICAL APPROVALS		
33	Power Pole		
34	Conduit		
34A	Service Entr.		
34B	Wiring		
35	Grounding Wire		
36	Bonding		
37	Fixtures		
38	Service		
39	Sign		
40	**FINAL**		
	MECHANICAL APPROVALS		
41	Ventilation System		
42	Plenums & Ducts		
43	Furnace Compart.		
44	Inlets-Outlets		
45	Combustion Air		
46	Compressor		
47	Appliance Clear SUSP. 9'		
48	~~Fire Damper~~ HEATER	2-8-95	
49	Smoke Deten. Device		
50	Commercial Hood		
51	**FINAL**		
52	**PERMIT FINAL**	2-8-95	
53	**APP/CORR**		

ADDITIONAL INFORMATION

SEWAGE SYSTEM SIZE & LOCATION

Tank Pit Leach Line

REAR OF PROPERTY LINE

P/L

STREET NAME _____

APPLICATION FOR
BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 21326 **DATE** 4-5-72

TO BE FILLED IN BY APPLICANT

Location 301 TENNESSEE STREET

Owner LA-Z-BOY WEST Tel. No. .....

Address 301 Tennessee St.

Contractor Edgehill Constr. Tel No 823-1331

Address P O Box 517 Fontana 877 1345

License No., City ..... State .....

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.

Height	No. Stories	Type	Zone
		Tilt-Up	

SET BACKS

Left Side	Right Side	Front	Rear

Lot Size	Bldg. Size	Fire Zone	Use
Addition of 43,600 sq ft			Factory

Commercial ..... Industrial X Residential ..... Other .....

Total Valuation $ 440,000.

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 566.50

Plan Check Fee $ 283.25

Total Fee $ 849.75

S.M.I. 30.80

Use Industrial Building - Factory

Remarks Addition to existing La-Z-Boy Factory

Slab Floor

Built Up Roof

$180.00 Add'l Sewer Charge

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final	HS	12-22-72

Remarks:

dock ftgs 3-20-72 HS
" walls & slab 3-21-72 HS
2 east rows column ftgs 4-7-72 HS
floor slab 4-24-72 HS
tilt up slabs 1-2-4-6-7-8-9 25-26-27-28 4-27-72 HS
tilt up slabs complete 5-5-72 HS
all columns is steel for poured columns 5-22-72 HS
roof sheathing 6-9-72 HS
framing restrooms 6-16-72 HS

APPLICATION FOR
BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

23163 City of Redlands

PERMIT NO. 23163 DATE 5-1-73

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee sSt.

Owner LA-Z-Boy West Tel. No.

Address 301 Tennessee St.

Contractor Viking Fire Protection Co. Tel. No.

Address 410 W. Valley Blvd. Colton, Ca

License No., City State

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial ..... Industrial X Residential ..... Other .....

Total Valuation $ 1,350.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee	$ 14.00
Plan Check Fee	$ 7.00
S.M.I.	.50
Total Fee	$ 21.50

Use .....

Remarks Extension of Fire Sprinkler System

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final		

Remarks:

APPLICATION
ELECTRICAL PERMIT

Building and Safety Department

CITY OF REDLANDS

21419 PERMIT NO. 21419 DATE 4-12-72

Locat. 301 TENNESSEE STREET

Owner
Name LA-Z-BOY WEST
Address 301 Tennessee Street

Contractor
Name Whittaker Electric Co.
Address 280 South "I" St. San Bdno. 92410
License Nos.: City State

Type of Occupancy
Residential ☐ Commercial ☒

Load
Conduit Size
Wire Size
Switch Size

	Square Footage	Fee		No.	Motors	Fee	
~~Res.~~	33150 @ .01	33	50				
~~Com.~~	5,000 @.005	25	00				
No. 5,450	Outlets @ ¼¢	13	60				
	Light						
	Plug						
	Switch						
	Fixtures				Misc.		
	Heater			2	Area Flood	2	00
	Range			1	400 A Pan.	4	00
	Oven			1	225 A "	2	25
	W. Heater			1	Meter Loop 1600	16	00
	Fans				PERMIT FEE	3	00
					Total		
	Total				Total Fee	397	35

Inspections: Date
Rough Wiring 6-22-72 L.O
Final 12-22-72 L.O.

Remarks:
Restrooms rough 6-16-72 JH
Cleared Service to Edison
6-22-72

FORM - NO. INSP. 3

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 21632 **DATE** 6-1-72

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee Street

Owner LA-Z-BOY West Tel. No.

Address 301 Tennessee St.

Contractor Viking Automatic Sprinkler Co. Tel. No.

Address 410 W. Valley Blvd. Colton

License No., City State

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**

Commercial Industrial X Residential Other

Total Valuation $ 21,000.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 77.00

Plan Check Fee $ 38.50

S.M.I. $ 1.47

Total Fee 116.97

Use Chair Factory

Remarks Installation of Fire Sprinkler System in new addition to factory

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings		
Steel		
Framing & anchor bolts		
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final	S. O.	12-22-72

Remarks:

APPLICATION FOR PLUMBING PERMIT
City of Redlands

PERMIT NO. 21749 **DATE** 6-21-72

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee Street

Owner LA-Z-BOY Tel. No.

Address 301 Tennessee St.

Contractor Hansen Plumbing Tel. No.

Address

License No., City State

Commercial ..... Residential ..... Industrial X Other .....

	No.	Each	Fee
Water Closets	2	1.50	3 00
Bath Tubs		1.50	
Lavatories	1	1.50	1.50
Sinks		1.50	
Laundry Tubs		1.50	
Showers		1.50	
Water Heaters and/or Vent	X	1.50	
Gas Outlets (Min. charge 1.50)	4	.30	1 50
Clothes Washers		1.50	
Dishwashers		1.50	
Garbage Disposals		1.50	
Water Softeners		1.50	
Sprinkler Systems		2.00	
Pressure Regulator and Relief Valve		1.50	
Drinking Fountains		1.50	
Floor Sinks	1	1.50	1 50
Floor Drains	1	1.50	1 50
Refrigerator Drains		1.50	
Urinals	1	1.50	150
Filter Systems (Pool)		1.50	
Septic Tanks		5.00	
Seepage Pits		5.00	
Building Sewer		5.00	
Back Water Valve		2.00	
Permit Fee			$2.00
Total Fee			$12 50
Validation Check			

INSPECTIONS	SIGNATURE	DATE
Rough Plumbing	S.O.	O.K.
Top Out	S.O.	6-22-72
Water Piping		
Gas Piping — Rough	S.O.	7-18-72
Gas Piping — Final		
Water Heater and/or Vent		
Septic Tank		
Seepage Pit		
Building Sewer		
Final	S.O.	12-22-72

Remarks

SEWAGE SYSTEM DIAGRAM

top out on restrooms 6-22-72 HS

APPLICATION
MECHANICAL PERMIT

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 21779 **DATE** 6-27-72

Locat. 301 Tennessee

Owner Name: La-Z-Bpy West, Inc.

Address: same

Contractor Name: BASELINE SHEET METAL, INC.

Address: 776 South Lugo Avenue San Bdno.

NO.	EQUIPMENT	EACH	FEE
	Furnace — to 100,000 BTU	4.00	
	Furnace — over 100,000 BTU	5.00	
	Floor Furnace	4.00	
	Wall Furnace	4.00	
	Appliance Vent	2.00	
	Air Handling Unit — to 10,000 CFM	3.00	
	Air Handling Unit — over 10,000 CFM	5.00	
	Evaporative Cooler	3.00	
3	Vent Fan and Duct	2.00	6.00
	Exhaust Hood	3.00	
	Boiler or Compressor — to 3 hp.	4.00	
4	Boiler or Compressor — over 3 hp and to 15 hp.	7.50	40.00
	Boiler or Compressor — over 15 hp to 30 hp.	10.00	
	Absorption system to 100,000 BTU	4.00	
	Absorption system over 100,000 BTU and including 500,000 BTU	7.50	
	Absorption System over 500,000 BTU and including 1,000,000 BTU	10.00	
	PERMIT FEE		3.00
	TOTAL FEE		49.00

INSPECTIONS	DATE
Equipment Mounting	
Duct Supports	
Vents & Combustion Air	
Electrical & Gas Connections	
Accessibility of Units and Controls	
Operation Check	
Final S.O.	12-22-72
Remarks:	

CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO 22061

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW.

LICENSED CONTRACTORS DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: _____ License Number _____

Signature _____ Date _____

OWNER-BUILDER DECLARATION

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☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B.&P.C. (Attach Certificate)

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

☐ Certified copy is hereby furnished. Policy # _____

☐ Certified copy is filed with the City. Company _____

Date: _____ Applicant: _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred ($100) or less. I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Workers' Compensation Laws of California.

Date _____ Applicant _____

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DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2, Art 2, Section 341, Title 8, C.A.C.).

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☐ Division of Industrial Safety Permit No. _____

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I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the information given is correct. I agree to comply with all state laws and City ordinances relating to building construction, and authorize a representative of the City of Redlands, Department of Building and Safety, to enter upon the property for which I have applied for this permit for the purpose of making inspections.

X _____ Date 6/6/91
Signature of Applicant or Agent

X RICHARD J. HICKEY
Print Applicant/Agent Name

JOB SITE ADDRESS / SPACE: 301 TENNESSEE	
APPLICANT NAME (L, F, M) / OWNER: HADEN ARCHITECTS,	PHONE #: 714-798-2327
APPLICANT / OWNER ADDRESS: 506 NORTH EUREKA STREET	
CITY / COMMUNITY / STATE / ZIP: REDLANDS CA 92373	
OWNER NAME (L, F, M): LA-Z-BOY CHAIR COMPANY,	PHONE #:
OWNER ADDRESS: 301 TENNESSEE ST	
CITY / COMMUNITY / STATE / ZIP: SAME	

BOOK	PAGE	PARCEL	TOWN	RANGE	SECTION

TRACT	LOT	MODEL	TRACT NAME
			APN 0292-192-11-0000

CONTRACTOR-FIRM NAME: ALLIED GENERAL CONTRACTING	LICENSE #:
ADDRESS: 606 E. MILL ST.	PHONE:
CITY/COMMUNITY/STATE/ZIP: SAN BERNARDINO CA	
ARCHITECT/ENGINEER FIRM NAME:	LICENSE #:
ADDRESS:	PHONE:
CITY/COMMUNITY/STATE/ZIP:	

USE OF PERMIT: 9225 SQ FT COMMERCIAL ADDITION

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

NICK J. ANDERSON DAH 06/06/91
DIRECTOR OF BUILDING AND SAFETY BY Date

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE **NOT** REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 – (714) 387-3044.

X _____
OWNER OR AUTHORIZED AGENT

PERMIT NO. RD*22061*BPC*

01.419 BUILDING PLAN 643.18

CITY OF REDLANDS incorp. 1888 CALIFORNIA

*** TOTAL PERMIT FEE ** 643.18

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City," and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workmans' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ _____
OWNER CONTRACTOR

BUILDING DEPT

NO.	OPERATION	DATE	INSPECTOR
	BUILDING APPROVALS		
1	Set Backs		
2	Spec. Inspection		
3	Ftgs & Forms		
3A	Slab Grade		
4	Steel		
5	Grout Blocks		
6	Bond Beams		
7	Roof Deck		
8	Framing		
8A	Insulation Walls		
9	Vents		
10	Gar. Firewall		
11	Fireplace PL ☐		
11A	Fireplace TO ☐		
12	Ext. Lath		
13	Int. Lath		
13A	Drywall		
14	Insul. Ceiling (Batts)		
14A	Insl. Ceiling (Blown)		
15	Ext. Grading		
16	Pool Pregunite		
17	Pool Fence Gate		
18	Mobile Home Set-up		
19	OCC Insp.		
20	**FINAL**		
	PLUMBING APPROVALS		
21	Grd. Plumbing		
22	Water Piping		
23	Rough Plumbing		
24	Vents		
25	Sewage Disp.		
26	Sewer		
27.	Water Heater		
28	Water Softener		
29	Water Service		
30	Gas Test		
31	Solar		
32	**FINAL**		
	ELECTRICAL APPROVALS		
33	Power Pole		
34	Conduit		
34A	Service Entr.		
34B	Wiring		
35	Grounding Wire		
36	Bonding		
37	Fixtures		
38	Service		
39	Sign		
40	**FINAL**		
	MECHANICAL APPROVALS		
41	Ventilation System		
42	Plenums & Ducts		
43	Furnace Compart.		
44	Inlets-Outlets		
45	Combustion Air		
46	Compressor		
47	Appliance Clear		
48	Fire Damper		
49	Smoke Deten. Device		
50	Commercial Hood		
51	**FINAL**		
52	**PERMIT FINAL**		
53	**APP/CORR**		

ADDITIONAL INFORMATION

SEWAGE SYSTEM SIZE & LOCATION

Tank Pit Leach Line

REAR OF PROPERTY LINE

P/L

STREET NAME _____

CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO 22415

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW.

LICENSED CONTRACTORS DECLARATION

☑ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: _____ License Number _____

Signature Annette T. Tirapelle Date 7/22/91

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. (Attach Certificate)

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

☐ Certified copy is hereby furnished. Policy # _____

☑ Certified copy is filed with the City. Company _____

Date 7/22/91 Applicant: Annette T. Tirapelle

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred ($100) or less. I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2, Art 2, Section 341, Title 8, C.A.C.).

☐ As owner-builder, I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the information given is correct. I agree to comply with all state laws and City ordinances relating to building construction, and authorize a representative of the City of Redlands, Department of Building and Safety to enter upon the property for which I have applied for this permit for the purpose of making inspections.

X Annette T. Tirapelle 7/22/91
Signature of Applicant or Agent — Date

Print Applicant/Agent Name

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST	
APPLICANT NAME (L, F, M) / OWNER: ALLIED GENERAL CONTRACTO	PHONE #
APPLICANT / OWNER ADDRESS: P.O. BOX 7249	
CITY / COMMUNITY / STATE / ZIP: REDLANDS CA 92375	
OWNER NAME (L, F, M): LA-Z-BOY CHAIR COMPANY,	PHONE #
OWNER ADDRESS: 301 TENNESSEE ST	
CITY / COMMUNITY / STATE / ZIP: REDLANDS CA 92373	

BOOK	PAGE	PARCEL	TOWN	RANGE	SECTION

TRACT	LOT	MODEL	TRACT NAME
			APN 0292-192-11-0000

CONTRACTOR FIRM NAME: ALLIED GENERAL CONTRACTORS	LICENSE #
ADDRESS: P.O. BOX 7249	PHONE
CITY/COMMUNITY/STATE/ZIP	
ARCHITECT/ENGINEER FIRM NAME	LICENSE #
ADDRESS	PHONE
CITY/COMMUNITY/STATE/ZIP	
USE OF PERMIT: 9225 SQ FT COMMERCIAL ADDITION	

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

NICK J. ANDERSON — DIRECTOR OF BUILDING AND SAFETY
SLB — BY:
07/22/91 — Date

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE **NOT** REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 – (714) 387-3044.

X OWNER OR AUTHORIZED AGENT: Annette T. Tirapelle

PERMIT NO: RD*22415*BBF*

01.1438	STRONG MOTION	41.03
01.401	PLAN CHECK MIC	136.00
01.414	STATE MAN GEN	461.25
01.421	ELECTRICAL INS	384.00
01.415	SEISMIC ENERGY	738.00
01.420	BUILDING PERMI	989.00

CITY OF REDLANDS — Incorp. 1888 — CALIFORNIA

*** TOTAL PERMIT FEE ** $2,748.28

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City," and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workmans' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER — Annette T. Tirapelle CONTRACTOR

BUILDING DEPT

NO.	OPERATION	DATE	INSPECTOR
	BUILDING APPROVALS		
1	Set Backs		
2	Spec. Inspection	9-23-91	
3	Ftgs & Forms	8-7-91	
3A	Slab Grade	9-24-91	
4	Steel		
5	Grout Blocks		
6	Bond Beams		
7	Roof Deck		
8	Framing		
8A	Insulation Walls		
9	Vents		
10	Gar. Firewall		
11	Fireplace PL ☐		
11A	Fireplace TO ☐		
12	Ext. Lath		
13	Int. Lath		
13A	Drywall		
14	Insul. Ceiling (Batts)		
14A	Insl. Ceiling (Blown)		
15	Ext. Grading		
16	Pool Pregunite		
17	Pool Fence Gate		
18	Mobile Home Set-up		
19	OCC Insp.		
20	**FINAL**		
	PLUMBING APPROVALS		
21	Grd. Plumbing	9/19/91	
22	Water Piping		
23	Rough Plumbing		
24	Vents		
25	Sewage Disp.		
26	Sewer		
27.	Water Heater		
28	Water Softener		
29	Water Service		
30	Gas Test	11/4/91	
31	Solar		
32	**FINAL**		
	ELECTRICAL APPROVALS		
33	Power Pole		
34	Conduit		
34A	Service Entr.		
34B	Wiring		
35	Grounding Wire		
36	Bonding		
37	Fixtures		
38	Service		
39	Sign		
40	**FINAL**		
	MECHANICAL APPROVALS		
41	Ventilation System		
42	Plenums & Ducts		
43	Furnace Compart.		
44	Inlets-Outlets		
45	Combustion Air		
46	Compressor		
47	Appliance Clear		
48	Fire Damper		
49	Smoke Deten. Device		
50	Commercial Hood		
51	**FINAL**		
52	**PERMIT FINAL**	12-26-91	
53	**APP/CORR**		

ADDITIONAL INFORMATION

BB 1st Pour 8-19-91
BD-Stops 8-20-91
Shadebeam & Partial Slab 9-23-91

SEWAGE SYSTEM SIZE & LOCATION

Tank Pit Leach Line

REAR OF PROPERTY LINE

P/L

STREET NAME _____

CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO 22846

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW.

LICENSED CONTRACTORS DECLARATION

☑ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: _____ License Number _____

Signature _____ Date _____

OWNER-BUILDER DECLARATION

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☐ I am exempt under Sec. _____ B. & P. C. (Attach Certificate)

Date _____ Owner _____

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

☐ Certified copy is hereby furnished. Policy # _____

☑ Certified copy is filed with the City. Company _____

Date 9/19/91 Applicant: _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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Date _____ Applicant _____

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DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

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☐ Division of Industrial Safety Permit No. _____

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the information given is correct. I agree to comply with all state laws and City ordinances relating to building construction, and authorize a representative of the City of Redlands, Department of Building and Safety to enter upon the property for which I have applied for this permit for the purpose of making inspections.

X _____ Date _____

Signature of Applicant or Agent

Print Applicant/Agent Name

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST	
APPLICANT NAME (L, F, M) / OWNER: ALLIED GENERAL CONTRACTO	PHONE #:
APPLICANT / OWNER ADDRESS: P.O. BOX 7249	
CITY / COMMUNITY / STATE / ZIP: REDLANDS CA 92375	
OWNER NAME (L, F, M): LAZY BOY WEST,	PHONE #:
OWNER ADDRESS: 301 TENNESSEE	
CITY / COMMUNITY / STATE / ZIP: REDLANDS CA 92373	

BOOK	PAGE	PARCEL	TOWN	RANGE	SECTION

TRACT	LOT	MODEL	TRACT NAME
			APN 0292-192-11-0000

CONTRACTOR FIRM NAME: ALLIED GENERAL CONTRACTORS	LICENSE #:
ADDRESS: P.O. BOX 7249	PHONE:
CITY/COMMUNITY/STATE/ZIP:	
ARCHITECT/ENGINEER FIRM NAME:	LICENSE #:
ADDRESS:	PHONE:
CITY/COMMUNITY/STATE/ZIP:	

USE OF PERMIT: PLUMBING PERMIT-ADD 3

DRAINS/REVISIONS TO P/C 22061

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

NICK J. ANDERSON — DIRECTOR OF BUILDING AND SAFETY

SLB — BY:

09/19/91 — Date

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE **NOT** REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

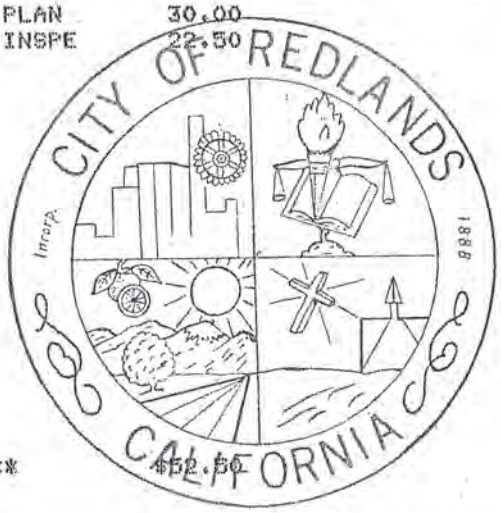
IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (714) 387-3044.

X _____

OWNER OR AUTHORIZED AGENT

PERMIT NO. RD*22846*BPP*

01.419 BUILDING PLAN 30.00
01.422 PLUMBING INSPE 22.50



*** TOTAL PERMIT FEE ** $52.50

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City," and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workmans' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

BUILDING DEPT

NO.	OPERATION	DATE	INSPECTOR
	BUILDING APPROVALS		
1	Set Backs		
2	Spec. Inspection		
3	Ftgs & Forms		
3A	Slab Grade		
4	Steel		
5	Grout Blocks		
6	Bond Beams		
7	Roof Deck		
8	Framing		
8A	Insulation Walls		
9	Vents		
10	Gar. Firewall		
11	Fireplace PL ☐		
11A	Fireplace TO ☐		
12	Ext. Lath		
13	Int. Lath		
13A	Drywall		
14	Insul. Ceiling (Batts)		
14A	Insl. Ceiling (Blown)		
15	Ext. Grading		
16	Pool Pregunite		
17	Pool Fence Gate		
18	Mobile Home Set-up		
19	OCC Insp.		
20	**FINAL**		
	PLUMBING APPROVALS		
21	Grd. Plumbing		
22	Water Piping		
23	Rough Plumbing		
24	Vents		
25	Sewage Disp.		
26	Sewer		
27.	Water Heater		
28	Water Softener		
29	Water Service		
30	Gas Test		
31	Solar		
32	**FINAL**		
	ELECTRICAL APPROVALS		
33	Power Pole		
34	Conduit		
34A	Service Entr.		
34B	Wiring		
35	Grounding Wire		
36	Bonding		
37	Fixtures		
38	Service		
39	Sign		
40	**FINAL**		
	MECHANICAL APPROVALS		
41	Ventilation System		
42	Plenums & Ducts		
43	Furnace Compart.		
44	Inlets-Outlets		
45	Combustion Air		
46	Compressor		
47	Appliance Clear		
48	Fire Damper		
49	Smoke Deten. Device		
50	Commercial Hood		
51	**FINAL**		
52	**PERMIT FINAL**	12-26-91	JDR
53	**APP/CORR**		

ADDITIONAL INFORMATION

SEWAGE SYSTEM SIZE & LOCATION

Tank Pit Leach Line

REAR OF PROPERTY LINE

P/L

STREET NAME _____

APPLICATION FOR BUILDING ALTERATIONS

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 22896 **DATE** 3-7-73

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee Street

Owner LA-Z-BOY West Tel. No.

Address 301 Tennessee Street

Contractor Edgehill Construction, Inc. Tel. No.

Address P. O. Box 517, Fontana 92335

License No., City State

LEGAL DESCRIPTION

Lot. No.	Block No.	Tract No.	Map No.
Height	**No. Stories**	**Type**	**Zone**

SET BACKS

Left Side	Right Side	Front	Rear
Lot Size	**Bld'g. Size**	**Fire Zone**	**Use**
	Add 800 sq. ft.		

Commercial ..... Industrial X Residential ..... Other .....

Total Valuation $ 46,000.00

Includes labor, material, wiring heating, plumbing, etc.

Permit Fee $ 141.50

Plan Check Fee $

S.M.I. 3.22

Total Fee $ 144.72

Use Industrial Bldg. Alt & Add'n

Remarks Addition of 800 sq ft of Office and Misc. alteration & Air Cond.

INSPECTIONS	SIGNATURE	DATE
Setbacks		
Forms & footings	RB	4-5-73
Steel		
Framing & anchor bolts	RB	OK
Lath exterior		
Lath interior		
Drywall		
Roof covering		
Fireplace		
Block wall		
Fences		
Grading & drainage		
Final	RB	11-14-73

Remarks:

roof sheathing 5-4-73 RB

APPLICATION FOR PLUMBING PERMIT
City of Redlands

PERMIT NO. 23037 **DATE** 4-5-73

TO BE FILLED IN BY APPLICANT

Location 301 Tennessee

Owner La-Z-Boy West Tel. No.

Address 301 Tennessee

Contractor Gaugh Plumbing Tel. No.

Address 307 W. Redlands Blvd.

License No., City State

Commercial Residential Industrial X Other

	No.	Each	Fee
Water Closets		1.50	
Bath Tubs		1.50	
Lavatories		1.50	
Sinks		1.50	
Laundry Tubs		1.50	
Showers		1.50	
Water Heaters and/or Vent		1.50	
Gas Outlets (Min. charge 1.50) Line	1	.30	1.50
Clothes Washers		1.50	
Dishwashers		1.50	
Garbage Disposals		1.50	
Water Softeners		1.50	
Sprinkler Systems		2.00	
Pressure Regulator and Relief Valve		1.50	
Drinking Fountains		1.50	
Floor Sinks		1.50	
Floor Drains		1.50	
Refrigerator Drains		1.50	
Urinals		1.50	
Filter Systems (Pool)		1.50	
Septic Tanks		5.00	
Seepage Pits		5.00	
Building Sewer		5.00	
Back Water Valve		2.00	
Permit Fee			$2.00
Total Fee			$ 3.50
Validation Check			

INSPECTIONS	SIGNATURE	DATE
Rough Plumbing	S. O.	O. K.
Top Out		
Water Piping		
Gas Piping — Rough	JS	4-10-73
Gas Piping — Final		
Water Heater and/or Vent		
Septic Tank		
Seepage Pit		
Building Sewer		
Final	S. O.	11-14-73

Remarks

SEWAGE SYSTEM DIAGRAM

APPLICATION
ELECTRICAL PERMIT

Building and Safety Department

CITY OF REDLANDS

PERMIT NO. 23240 DATE 5-17-73

Locat. 301 Tennessee St.

Owner
Name LA-Z-Boy West
Address 301 Tennessee St.

Contractor
Name Calder Electric
Address P O Box 755 Banning
License Nos.: City State

Type of Occupancy
Residential ☐ Commercial ☒

Load
Conduit Size
Wire Size
Switch Size

	Square Footage	Fee		No.	Motors	Fee	
Res.							
Gar.							
No.	Outlets						
	Light						
7	Plug	1	40				
7	Switch	1	40				
38	Fixtures	5	80		Misc.		
	Heater			1	9 KVA Trans	3	00
	Range						
	Oven						
	W. Heater				Meter Loop		
	Fans				PERMIT FEE	3	00
					Total		
	Total				Total Fee	14	60

Inspections:
Rough Wiring 5-20-73 Date [illegible]
Final [illegible]

Remarks: 11-14-73 S.O.

FORM - NO. INSP. 3

APPLICATION
MECHANICAL PERMIT

BUILDING AND SAFETY DEPARTMENT

City of Redlands

PERMIT NO. 24071 **DATE** 10-30-73

Locat. 301 ~~Tennessee~~ Redlands, Calif.

Owner Name: LA-Z-BOY CHAIR CO.

Address:

Contractor Name: BASELINE SHEET METAL, INC.

Address: 776 So. Lugo, San Bernardino, Cal.

NO.	EQUIPMENT	EACH	FEE	
1	Furnace — to 100,000 BTU	4.00	4	00
	Furnace — over 100,000 BTU	5.00		
	Floor Furnace	4.00		
	Wall Furnace	4.00		
	Appliance Vent	2.00		
	Air Handling Unit — to 10,000 CFM	3.00		
	Air Handling Unit — over 10,000 CFM	5.00		
	Evaporative Cooler	3.00		
	Vent Fan and Duct	2.00		
	Exhaust Hood	3.00		
	Boiler or Compressor — to 3 hp.	4.00		
1	Boiler or Compressor — over 3 hp and to 15 hp.	7.50	7	50
	Boiler or Compressor — over 15 hp to 30 hp.	10.00		
	Absorption system to 100,000 BTU	4.00		
	Absorption system over 100,000 BTU and including 500,000 BTU	7.50		
	Absorption System over 500,000 BTU and including 1,000,000 BTU	10.00		
	PERMIT FEE		3	00
	TOTAL FEE		14	50

INSPECTIONS	DATE
Equipment Mounting	
Duct Supports S.O.	5-20-73
Vents & Combustion Air	
Electrical & Gas Connections	
Accessibility of Units and Controls	
Operation Check	
Final	
Remarks:	

☐ PLMG ☐ ELEC ☐ MECH ☐ BLDG

PERMIT APPLICATION
BUILDING AND SAFETY DEPT
CITY OF REDLANDS

JOB ADDRESS 302 Tennessee

DATE 5-11-79 PERMIT NO 34398

OWNER La Z Boy West

ADDRESS

CONTRACTOR

ADDRESS

PHONE LICENSE

TYPE OF PERMITS

BUILDING		$
ELECTRICAL	624 SF	$ 10.24
PLUMBING	1 sink	$ 5.00
GRADING		$
SIGN		$
ROOFING		$
PEST CONTROL		$
HEATING/AIR COND		$ 11.00
BLDG RELOCATION		$
BLDG ALTERATION	13,863.00	$ 68.
PLAN CHECK		$ 34.
SEWER CONST CHG		$
PAVING		$
SMI		$ .97
OTHER		$
TOTAL FEES DUE		$ 129.21

JOB DESCRIPTION 624 sq ft addn -

SIGNATURE

WORKER'S COMPENSATION CERTIFICATE OF INSURANCE ON FILE:
POLICY NUMBER EXPIRATION DATE

OR APPLICANT TO SIGN THE FOLLOWING, IF APPLICABLE:

I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKER'S COMPENSATION LAWS OF CALIFORNIA.

SIGNATURE Courtney H Seeber

INSPECTION RECORDS

FORMS _____ EXT LATH _____
FRAMING 6/11/79 INT LATH 6-14-79 JB
ROUGH PLUMBING _____
TOP OUT _____ SEWER _____
GAS _____ TANK _____ PIT _____
ROUGH WIRING 6/11/79
MECH VENTS _____
INSULATION _____
FLOOR SLAB 6-23-79 JB
MISCELLANEOUS _____

_____

FINAL INSPECTION DATE _____

REMARKS _____

PLOT PLAN FOR SEWER OR SEEPAGE PIT AND SEPTIC TANK LOCATION

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B12-07054

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type: B-BTI Tenant Improvements **Date Issued:** 3/5/2012

Job Site Address/Space: 301 TENNESSEE ST F Parcel No: 029219211

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI

Phone:

CONTRACTOR'S INFO

Name: CALIBER CONSTRUCTION INC

Address: 240 NORTH ORANGE AVE
BREA,CA 92821

Phone: 714-255-2700

State Lic. No.: 635842 Expires: 01/31/2014

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: ROSEMARY SWEENEY

Address: CALIBER CONSTRUCTION INC

Phone:

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 3

Code Year: 2010 Flood Zone: Historic District: Zoning:

Hazardous Material: Sprinklers: Yes

Occupancy:

Valuation: $23,430.00 Total Sq. Ft.: 1,716

Work Description: 792 SF T. I. TO RESTROOMS & ~~NEW 300 SF SHOP OFFICE FROM WAREHOUSE~~ DID NOT DO

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	10-Additional Permit Fee	502	0.00	0.00	0.00
	10-Building Valuation Permit Fee	502	338.00	338.00	0.00
	110-P/C Microfilm	528	34.00	34.00	0.00
	20-Building Plan Check Fee	511	219.70	219.70	0.00
	30-Electrical Fees	503	77.00	77.00	0.00
	40-Plumbing Fees	504	240.75	240.75	0.00
	441-CBSC Green Fee	5914	1.00	1.00	0.00
	50-Mechanical Fees	505	64.15	64.15	0.00
	595-Public Works Room Addition P/C Fee	1224	114.00	114.00	0.00
	Fire Plan Check Fees	1102	207.00	207.00	0.00
ıtion	Transportation-Arterial Streets (60%)	3201 A	216.84	216.84	0.00
ıtion	Transportation-Freeway Interchange (30%)	3325	108.42	108.42	0.00
ıtion	Transportation-Traffic Signals (10%)	3301	36.14	36.14	0.00

Total Fees: **$1,657.00** **Balance Due:** **$0.00**

PAID
MAR 05 2012
BY:

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO_____

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO_____

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: B Lic. No.: 635512

Date: 3/5/12 Contractor: [signature]

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Travelers - Agent: Risco Policy No.: DTJ-UB-5737P094-12

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent [signature] Rosemary Sveen Date 3/5/12

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING X	3/8/12		280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE Bathroom	3/8/12					
60	BOND BEAM						
	DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED						
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**	5/14/12	
130	ROUGH PLUMBING X						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
	DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED						
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL (2)	4-18-12			X Vents Tested 3/15/12 Office Bathroom Combo is OK		
190	LATHING				(2) - 5/14-12 - Office Bath		
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT				X Phase II G.6 Plumbing 4/12/12		
240	SEWER LATERAL				Phase II Combo (A) 4-17-12		
250	GAS TEST						

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B13-09072

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type: 1B-BCM -Commercial Miscellaneous **Date Issued:** 5/22/2013

Job Site Address/Space: 301 TENNESSEE ST Parcel No: 029219211

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI

Phone:

CONTRACTOR'S INFO

Name:

Address:

Phone:

State Lic. No.: Expires:

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: DAVID STUCKER

Address: LAY-Z-BOY

Phone: 909-793-3204

Stories: Height: Bedrooms: Bathooms:

Code Year: Historic District: Zoning:

Haz. Mat.: Sprinklers:

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: ENCLOSE EXISTING DOCK BAYS UNDER EXISTING CANOPY & ADD ELECTRIC GATE FOR EMPLOYEE PARKING SECURITY

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	20-Additional Plan Check Fee	511	208.00	208.00	0.00
	30-Electrical Fees	503	137.00	137.00	0.00
	441-CBSC Green Fee	5914	5.00	5.00	0.00
	Fire Permit/Inspection Fees	1102	48.00	48.00	0.00
	Fire Plan Check Fees	1102	264.00	264.00	0.00
	Miscellaneous Building Fee	502	1,456.00	1,456.00	0.00
		Total Fees:	**$2,118.00**	**Balance Due:**	**$0.00**

PAID
MAY 22 2013
BY:

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

X I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: X 5-22-13 Owner X

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO_____

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO_____

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: _____ Lic. No.: _____

Date: _____ Contractor: _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

_____ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ Policy No.: _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent X _____ Date X 5-22-13

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT	7-29-13	✓S	290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING CANOPY	9-9-13					
120	ELECTRIC WIRING	9-9-13		500	**PERMIT FINAL**	9-9-13	
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL						
190	LATHING				(A) Footing for post only 7-29-13 ✓S		
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE				Track footings show 20" NOT 8"		
220	COMMERCIAL HOOD				Conditions changes per owner		
230	TANK & PIT				Correction required 7-29-13 ✓S		
240	SEWER LATERAL						
250	GAS TEST						

8/7/13

CITY OF REDLANDS
DEVELOPMENT SERVICES DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B14-11146

(909) 798-7536 • Fax (909) 798-7670 • www.ci.redlands.ca.us 35 Cajon Street, Suite 15A, Redlands, CA 92373

Permit Sub-Type: 1B-BCM -Commercial Miscellaneous **Date Issued:** 8/12/2014

Job Site Address/Space: 301 TENNESSEE ST F Parcel No: 029219211

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI

Phone: DAVE 900-2110
909

CONTRACTOR'S INFO

Name: HAHN CONTRACTORS INC

Address: 28150 AVENUE CROCKER #211
,CA 91355

Phone: 661-294-9409

State Lic. No.: 807850 Expires: 01/31/2015

ARCHITECT'S INFO

Name: DON MURPHY

Address:

Phone:

APPLICANT'S INFO

Name: SHAUNTEL ANDERSON

Address: HAHN CONSTRUCTION

Phone: 626 355 4133

Stories: Height: Bedrooms: Bathooms:

Code Year: Historic District: Zoning:

Haz. Mat.: Sprinklers:

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: 538 SQ FT REMODEL OF EXISTING RESTROOM & JANITORIAL SPACE

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	10-Additional Permit Fee	502	104.00	104.00	0.00
	110-P/C Microfilm	528	16.00	16.00	0.00
	20-Additional Plan Check Fee	511	312.00	312.00	0.00
	30-Electrical Fees	503	104.00	104.00	0.00
	40-Plumbing Fees	504	1,747.00	1,747.00	0.00
	50-Mechanical Fees	505	156.00	156.00	0.00
	Fire Permit/Inspection Fees	1102	95.00	95.00	0.00
	Fire Plan Check Fees	1102	267.00	267.00	0.00
M	M-Public Works Commercial TI	1202	194.00	194.00	0.00
		Total Fees:	**$2,995.00**	**Balance Due:**	**$0.00**

PAID
AUG 12 2014

EXPIRATION: Applications for which no permit is issued within 180 days from the date of application shall expire by time limitation. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: B Lic. No.: 607850

Date: 8-12-14 Contractor: DAVE HAHN

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: STATE FUND Policy No.: _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☒ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

Will the facility have any of the equipment or perform any of the operations or will the occupant(s) handle, store or use hazardous materials or a mixture containing a hazardous material equal to or greater than the amounts specified in the hazardous materials guide? YES____ NO X

If yes, Fire Department approval of a risk management plan is required prior to final occupancy approval and a clearance letter from the South Coast Air Quality Management District is required prior to issuance. See Health and Safety Code 25505, 25533, 25534, 42301 and Government Code Section 65850.2.

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 8-12-14

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
					POOLS AND SPA		
10	TEMP POWER			300	LOCATION		
15	SETBACKS			310	POOL STEEL & BONDING		
20	GROUND PLUMBING	8/14/14		320	POOL PLUMBING		
24	UNDERGROUND CONDUIT			330	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			340	POOL GAS TEST		
40	FORMS AND FOOTINGS			350	POOL FENCE & GATE		
50	SLAB GRADE	8/28/14					
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
60	BOND BEAM			170	INSULATION		
80	ROOF DECK			180	DRYWALL	9/29/14	
90	EXTERIOR SHEAR			190	LATHING		
100	ELECTRICAL CONDUIT			200	T-BAR / FIXTURES		
110	FRAMING			210	ELECTRIC SERVICE		
120	ELECTRIC WIRING	9/23/14		220	COMMERCIAL HOOD		
130	ROUGH PLUMBING			230	TANK & PIT (SIZE)		
140	PLENUMS / DUCTS / VENTS			240	SEWER LATERAL		
150	SHOWER PAN			250	MOBILEHOME/COACH SET-UP		
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
420	OCCUPANCY						
450	GAS TEST						
500	PERMIT FINAL	12/8/14					

N

W E

S

Ramp re-bar OK
slope at this point is OK, form CK ONLY re-CK after concrete 9/5/14

11/13/14 correction on final

CITY OF REDLANDS
DEVELOPMENT SERVICES DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B16-15854

(909) 798-7536 • Fax (909) 798-7670 • www.ci.redlands.ca.us 35 Cajon Street, Suite 15A, Redlands, CA 92373

Permit Sub-Type: 1B-BPP -Plumbing

Date Issued: 5/12/2016

Job Site Address/Space: 301 TENNESSEE ST

Parcel No: 029219211

F

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI 48162

Phone: 909-793-3204

CONTRACTOR'S INFO

Name: RESCUE ROOTER

Address: 1520 W LINDEN AVE
RIVERSIDE,CA 92504

Phone: 951-341-9371

State Lic. No.: 765155 Expires: 07/31/2016

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: ANDREW ALLEN

Address:

Phone: 951-341-9371

Stories: Height: Bedrooms: Bathooms:

Code Year: Flood Zone: Yes Historic District: Zoning:

Haz. Mat.: Sprinklers: Fire Hazard Zone: N

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: REPLACEMENT OF 20 LF OF SEWER LINE W/ (2) CLEANOUTS

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
40	Plumbing Fees	504	113.00	113.00	0.00

Total Fees: **$113.00** **Balance Due:** **$0.00**

PAID
MAY 12 2016
BY:

EXPIRATION: Applications for which no permit is issued within 180 days from the date of application shall expire by time limitation. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: C36 Lic. No.: 465133

Date: 5-12-16 Contractor: _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Liberty (WC) Policy No.: WC7681500867

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: 5-12-16 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2, GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

Will the facility have any of the equipment or perform any of the operations or will the occupant(s) handle, store or use hazardous materials or a mixture containing a hazardous material equal to or greater than the amounts specified in the hazardous materials guide? YES_____ NO_____

If yes, Fire Department approval of a risk management plan is required prior to final occupancy approval and a clearance letter from the South Coast Air Quality Management District is required prior to issuance. See Health and Safety Code 25505, 25533, 25534, 42301 and Government Code Section 65850.2.

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name: _____

Lender's Address: _____

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Signature of Applicant or Agent _____ Date 5-12-14

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
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10	TEMP POWER			300	LOCATION		
15	SETBACKS			310	POOL STEEL & BONDING		
20	GROUND PLUMBING			320	POOL PLUMBING		
24	UNDERGROUND CONDUIT			330	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			340	POOL GAS TEST		
40	FORMS AND FOOTINGS			350	POOL FENCE & GATE		
50	SLAB GRADE						
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
60	BOND BEAM			170	INSULATION		
80	ROOF DECK			180	DRYWALL		
90	EXTERIOR SHEAR			190	LATHING		
100	ELECTRICAL CONDUIT			200	T-BAR / FIXTURES		
110	FRAMING			210	ELECTRIC SERVICE		
120	ELECTRIC WIRING			220	COMMERCIAL HOOD		
130	ROUGH PLUMBING			230	TANK & PIT (SIZE)		
140	PLENUMS / DUCTS / VENTS			240	SEWER LATERAL	5-13-16	JV
150	SHOWER PAN			250	MOBILEHOME/COACH SET-UP		
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
420	OCCUPANCY						
450	GAS TEST						
500	PERMIT FINAL	5-13-16	JV				

N

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S

CITY OF REDLANDS
DEVELOPMENT SERVICES DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B17-00940

(909) 798-7536 • Fax (909) 798-7670 • www.ci.redlands.ca.us 35 Cajon Street, Suite 15A, Redlands, CA 92373

Permit Sub-Type: B-BRP Roofing

Date Issued: 5/26/2017

Job Site Address/Space: 301 TENNESSEE ST

Parcel No: 029219211

F

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI 48162

Phone:

CONTRACTOR'S INFO

Name: TECTA AMERICA SOUTHERN CALIFORNIA INC

Address: 1217 EAST WAKEHAM AVENUE
SANTA ANA,CA 92705

Phone: 714-973-6233

State Lic. No.: 811111 Expires:

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: TECTA AMERICA SOUTHERN CALIFORNIA INC

Address: 1217 EAST WAKEHAM AVENUE

Phone: 714-973-6233

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0

Code Year: 2016 Flood Zone: Historic District: Zoning: I-P

Hazardous Material: Sprinklers: Fire Hazard Zone:

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: COMMERCIAL - RE ROOF LAZY BOY - 10,200 SQ. FT. SINGLE PLY PVC - CRRC 0674-0003

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	70-Roofing Permit	510	415.80	415.80	0.00
		Total Fees:	**$415.80**	**Balance Due:**	**$0.00**

PAID 5/26/17 A~

EXPIRATION: Applications for which no permit is issued within 180 days from the date of application shall expire by time limitation. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: C-39 Lic. No: 8[illegible]

Date: 5/26/17 Contractor: Frank Deming

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: STARR INDEMNITY & LIABILITY Policy No.: 1000001352

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341. Title 8.C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

Will the facility have any of the equipment or perform any of the operations or will the occupant(s) handle, store or use hazardous materials or a mixture containing a hazardous material equal to or greater than the amounts specified in the hazardous materials guide? YES_____ NO_____

If yes, Fire Department approval of a risk management plan is required prior to final occupancy approval and a clearance letter from the South Coast Air Quality Management District is required prior to issuance. See Health and Safety Code 25505, 25533, 25534, 42301 and Government Code Section 65850.2.

CONSTRUCTION LENDING AGENCY

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Lender's Name: _____

Lender's Address: _____

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Signature of Applicant or Agent: Frank Deming Date: 5/26/17

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
					POOLS AND SPA		
10	TEMP POWER			300	LOCATION		
15	SETBACKS			310	POOL STEEL & BONDING		
20	GROUND PLUMBING			320	POOL PLUMBING		
24	UNDERGROUND CONDUIT			330	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			340	POOL GAS TEST		
40	FORMS AND FOOTINGS			350	POOL FENCE & GATE		
50	SLAB GRADE						
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
60	BOND BEAM			170	INSULATION		
80	ROOF DECK	6517JV		180	DRYWALL		
90	EXTERIOR SHEAR			190	LATHING		
100	ELECTRICAL CONDUIT			200	T-BAR / FIXTURES		
110	FRAMING			210	ELECTRIC SERVICE		
120	ELECTRIC WIRING			220	COMMERCIAL HOOD		
130	ROUGH PLUMBING			230	TANK & PIT (SIZE)		
140	PLENUMS / DUCTS / VENTS			240	SEWER LATERAL		
150	SHOWER PAN			250	MOBILEHOME/COACH SET-UP		
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
420	OCCUPANCY						
450	GAS TEST						
500	PERMIT FINAL	6-12-17					

N

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FINAL

CITY OF REDLANDS
DEVELOPMENT SERVICES DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B17-02286

(909) 798-7536 • Fax (909) 798-7670 • www.ci.redlands.ca.us 35 Cajon Street, Suite 15A, Redlands, CA 92373

Permit Sub-Type: B-BPP Plumbing

Date Issued: 11/27/2017

Job Site Address/Space: 301 TENNESSEE ST

Parcel No: 029219211

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI 48162

Phone:

CONTRACTOR'S INFO

Name: RESCUE ROOTER

Address: 1520 W LINDEN AVE
RIVERSIDE,CA 92504

Phone: 951-341-9371

State Lic. No.: 765155 Expires: 07/31/2018

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: RESCUE ROOTER

Address: 965 RIDGE LAKE BLVD SUITE 201

Phone: 951-341-9371

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0

Code Year: 2016 Flood Zone: Yes Historic District: Zoning: I-P

Hazardous Material: Sprinklers: Fire Hazard Zone: N

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: COMMERCIAL - LA-Z-BOY - INSTALL CLEANOUT ON EAST SIDE OF BUILDING

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	40-Plumbing Fees	504	244.00	244.00	0.00
		Total Fees:	**$244.00**	**Balance Due:**	**$0.00**

PAID 11/27/17 A

EXPIRATION: Applications for which no permit is issued within 180 days from the date of application shall expire by time limitation. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

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Date: _____ Owner: _____

LICENSED CONTRACTORS DECLARATION

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Date: 11/27/17 Contractor: _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Liberty Mut. Policy No. WA7-63D50863

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

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If yes, Fire Department approval of a risk management plan is required prior to final occupancy approval and a clearance letter from the South Coast Air Quality Management District is required prior to issuance. See Health and Safety Code 25505, 25533, 25534, 42301 and Government Code Section 65850.2.

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Lender's Name: _____

Lender's Address: _____

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Signature of Applicant or Agent _____ Date 11/27/17

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50	SLAB GRADE						
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
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80	ROOF DECK			180	DRYWALL		
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100	ELECTRICAL CONDUIT			200	T-BAR / FIXTURES		
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140	PLENUMS / DUCTS / VENTS			240	SEWER LATERAL		
150	SHOWER PAN			250	MOBILEHOME/COACH SET-UP		
	DO NOT CONCEAL UNTIL ABOVE HAS BEEN SIGNED						
420	OCCUPANCY						
450	GAS TEST						
500	PERMIT FINAL	11-28-17					

N

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S

BUILDING PERMIT APPLICATION

35 Cajon Street
Suite 20
Redlands, California 92373
(909)798-7536 FAX (909)798-8715
www.cityofredlands.org/

FOR OFFICE USE ONLY	Plan Check Fees Paid YES NO	Permit# B17-02286	Bin
Notes			
Routed to: ☐ Building & Safety ☐ Planning ☐ Fire ☐ MUED ☐ Quality of Life			

(Please Print Clearly)

PROPERTY/WORK DESCRIPTION

Is this application the result of a Code Violation? ☐ YES ☒ NO

Street Address: 301 TENNESSEE ST

Suite/Unit #: City: REDLANDS Zip: 92373

Business Name (if applicable):

Occupancy: Construction Type: Zoning:

Valuation of Project: 3,650

Work Description: INSTALL CLEANOUT ON SEWER LINE. EAST SIDE OF BLDG.

PROPERTY OWNER

Is this permit being pulled as Owner/Builder? ☐ YES (PROPERTY OWNER'S PACKAGE) ☒ NO

Owner Name: LA-Z-BOY

Mailing Address: 301 TENNESSEE City: REDLANDS State: CA Zip: 92373

Phone: 909 793 3204 Fax: Email:

CONTRACTOR/ARCHITECT/ENGINEER

Company Name: ARS RESCUE ROOTER License #: 765155 Class: C36 Expires: 7/31/18

Mailing Address: 1520 W LINDEN ST City: RIVERSIDE State: CA Zip: 92507

Email: Contact Person: Phone: 951-341-9371

APPLICANT (PRIMARY CONTACT)

All communication from our office regarding your permit will be made to this person.

Primary Contact Name: ANDREW ALLEN

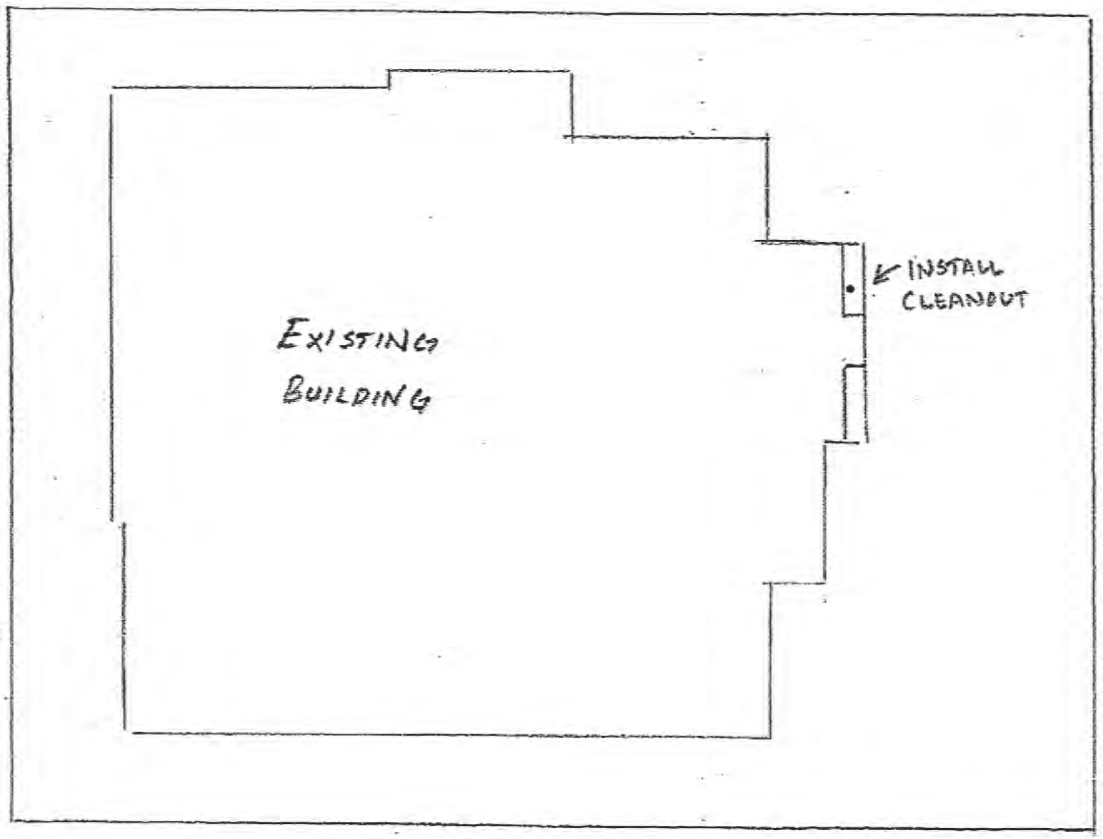
Firm: ARS / RESCUE ROOTER License #: 765155

Address: 1520 W LINDEN ST City: RIVERSIDE State: CA Zip: 92507

Phone: 951 341 9371 Fax: Email:

I Represent: ☐ Owner ☒ Contractor Authorized Agent: (Y) N (Please provide a NOTARIZED Authorized Agent Form)

301 TENNESSEE ST B17-022866



CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B0700384

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type BPP

Date Issued: 02/13/2007

Job Site Address/Space: 301 TENNESSEE ST RDLD

Parcel No.: 0292192111001

OWNER'S INFO

Name: LA Z BOY INCORPORATED
Address: 1284 N TELEGRAPH RD
Monroe, MI 48162
Phone:

CONTRACTOR'S INFO

Name:
Address:
Phone:
State Lic. No.: Expires:

EXPIRED APR 24 2008

ARCHITECT'S INFO

Name:
Address:
Phone:

APPLICANT'S INFO

Name: REDLANDS PLUMBING CO/HIGDONS, INC
Address: 429 TEXAS ST
REDLANDS CA 92374
Phone: 335-0535

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0
Code Yr.: Flood Zone: Historic Distr.: Zoning:
Haz. Mat.: Sprinklers: Valuation:$0.00 Total Sq. Ft.: 0
Occ.:
Work Desc.: INSTALL DUCT WORK & A/C CONDENSER IN OFFICE

Fee Details

Item#	Description	Account Code	Tot Fee	Paid	Prv. Pmts	Cur. Pmts
50	Heat/Air Cond.	505	35.15	35.15	35.15	.00

Total Fees: $35.15 **Balance Due:** $0.00

PAID
FEB 13 2007
CITY OF REDLANDS
TREASURER'S OFFICE

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO_____

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO_____

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class C36 C20 Lic. No.: 104826

Date: 2-13-07 Contractor: _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Clarendon National Policy No.: 01KR003B894

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-13-07

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**		
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL						
190	LATHING						
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B1004024

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type BRP **Date Issued: 03/24/2010**

Job Site Address/Space: 301 TENNESSEE ST RDLD E Parcel No.: 0292192111001

OWNER'S INFO

Name: LA Z BOY INCORPORATED
Address: 1284 N TELEGRAPH RD
Monroe, MI 48162
Phone:
Expires:

CONTRACTOR'S INFO

Name: CENTIMARK CORP
Address: 12 GRANDVIEW CIR
CANONSBURG PA 15317
Phone: 724-743-7777
State Lic. No.: 497859 Expires: 09/30/2010

ARCHITECT'S INFO

Name:
Address:
Phone:

APPLICANT'S INFO

Name: CENTIMARK CORP
Address: 12 GRANDVIEW CIR
CANONSBURG PA 15317
Phone: 724-743-7777

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0
Code Yr.: Flood Zone: Historic Distr.: Zoning:
Haz. Mat.: Sprinklers: Valuation:$139,482.00 Total Sq. Ft.: 57400
Occ.:
Work Desc.: REROOF-VERSICO - 49,200 RECOVER, 8200 IS TEAR OFF 57,400 SQ FT

Fee Details

Item#	Description	Account Code	Tot Fee	Paid	Prv. Pmts	Cur. Pmts
70	Roofing Permit	510	1,095.00	1,095.00	1,095.00	.00
441	CBSC Green Fee	5914	5.00	5.00	5.00	.00

Total Fees: $1,100.00 **Balance Due:** $0.00

ck 2480

PAID

MAR 24 2010

CITY OF REDLANDS
TREASURER'S OFFICE

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

X WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO X

X WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO X

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: C39 Lic. No.: 447859

X Date: 3-24-10 Contractor: Centimark

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X _____ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Arch Policy No.: 11WC121560/

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

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Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

X Signature of Applicant or Agent _____ Agent Date 3-24-2010

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**	4-26-10	
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL				Partial - 3/31/10		
190	LATHING						
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B1105528

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type BCP **Date Issued:** 02/16/2011

Job Site Address/Space: 301 TENNESSEE ST RDLD Parcel No.: 0292192111001

F

OWNER'S INFO

Name: LA Z BOY INCORPORATED
Address: 1284 N TELEGRAPH RD
Monroe, MI 48162
Phone:
Expires:

CONTRACTOR'S INFO

Name: CASCO EQUIPMENT CORP
Address: 4141 FLAT ROCK DR
RIVERSIDE CA 92505
Phone: 951-324-8500
State Lic. No.: 811394 Expires: 08/31/2012

ARCHITECT'S INFO

Name:
Address:
Phone:

APPLICANT'S INFO

Name: CASCO EQUIPMENT CORP
Address: 4141 FLAT ROCK DR
RIVERSIDE CA 92505
Phone: 951-324-8500

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0
Code Yr.: Flood Zone: Historic Distr.: Zoning:
Haz. Mat.: Sprinklers: Valuation:$13,000.00 Total Sq. Ft.: 0
Occ.:
Work Desc.: FIVE DOCK LEVELERS

Fee Details

Item#	Description	Account Code	Tot Fee	Paid Prv. Pmts	Cur. Pmts	
10	Building Permit	502	200.50	200.50	200.50	.00
20	Building Plan C	511	130.33	130.33	130.33	.00
440	SMIP	5904	1.30	1.30	1.30	.00
441	CBSC Green Fee	5914	1.00	1.00	1.00	.00

Total Fees: $333.13 **Balance Due:** $0.00

PAID

FEB 16 2011

CITY OF REDLANDS
CUSTOMER SERVICE

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

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_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

X WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO X

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO X

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LICENSED CONTRACTORS DECLARATION

X I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: C Lic. No.: 811394

Date: 2-16-11 Contractor: _____

WORKERS COMPENSATION DECLARATION

X I hereby affirm under penalty of perjury one of the following declarations:

R.J. I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

R.J. I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: ~~AF CALIFORNIA/PROGRESSIVE/AIG~~ EVEREST NATIONAL Policy No.: 7600000484101

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

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☐ Division of Industrial Safety Permit No._____

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Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

X Signature of Applicant or Agent Richard Sherrick Date 2-16-2010

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**	5-4-11	
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL				3 D+C 2-B - wall steel OK		
190	LATHING				3-17-11 - 4/5 Slab?		
200	T-BAR / FIXTURES				4-14-11		
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD				"mechanical type No electrical"		
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B1105720

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type BPP **Date Issued: 03/31/2011**

Job Site Address/Space: 301 TENNESSEE ST RDLD Parcel No.: 0292192111001

OWNER'S INFO

Name: LA Z BOY INCORPORATED
COND. DBA HENRY BUSH
Address: 1284 N TELEGRAPH RD
Monroe, MI 48162
Phone:

Expires:

CONTRACTOR'S INFO

Name: RED. PLUMBING HEATING & AIR
Address: 429 TEXAS ST
REDLANDS CA 92374
Phone: 335-0535
State Lic. No.: 184826 Expires: 02/28/2012

ARCHITECT'S INFO

Name:
Address:
Phone:

APPLICANT'S INFO

Name: KEN COUNTS
Address:
Phone:

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0
Code Yr.: Flood Zone: Historic Distr.: Zoning:
Haz. Mat.: Sprinklers: Valuation:$0.00 Total Sq. Ft.: 0
Occ.:
Work Desc.: ADDING BACKFLOW PREVENTER TO MAIN WATER SERVICE

Fee Details

Item#	Description	Account Code	Tot Fee	Paid Prv. Pmts	Cur. Pmts
40	Plumbing Inspec	504	30.00	30.00	.00

Total Fees: **$30.00** **Balance Due:** $0.00

PAID
MAR 31 2011
CITY OF REDLANDS
CUSTOMER SERVICE

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO_____

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO_____

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: C-36 Lic. No: 184846

Date: 3/31/2011 Contractor: _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

X ____ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: Insurance Company of the west Policy No.: WSD 5001325 02

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: _____ Date: 3/31/2011

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS			310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**		
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL						
190	LATHING						
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

B1105861

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type BCM **Date Issued: 05/25/2011**

Job Site Address/Space: 301 TENNESSEE ST RDLD Parcel No.: 0292192111001

OWNER'S INFO

Name: LA Z BOY INCORPORATED
Address: 1284 N TELEGRAPH RD
Monroe, MI 48162
Phone:
Expires:

CONTRACTOR'S INFO

Name:
Address:
Phone:
State Lic. No.: Expires:

ARCHITECT'S INFO

Name:
Address:
Phone:

APPLICANT'S INFO

Name: DAVID STUCKER
Address:
Phone: 909-793-3204 EX 2308

Stories: 0 Height: 0 # Bedrooms: 0 # Bathrooms: 0
Code Yr.: Flood Zone: Historic Distr.: Zoning:
Haz. Mat.: Sprinklers: Valuation:$56,286.00 Total Sq. Ft.: 0
Occ.:
Work Desc.: INTERIOR RACKING SYSTEM

Fee Details

Item#	Description	Account Code	Tot Fee	Paid	Prv. Pmts	Cur. Pmts
10	Building Permit	502	623.75	623.75	623.75	.00
20	Building Plan C	511	405.44	405.44	405.44	.00
110	Plan Check Micr	528	10.00	10.00	10.00	.00
441	CBSC Green Fee	5914	3.00	3.00	3.00	.00

Total Fees: $1,042.19 **Balance Due:** $0.00

PAID
MAY 25 2011
BY:

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

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Date: _____ Contractor: _____

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_____ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ Policy No.: _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

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Signature of Applicant or Agent X _____ Date X 5/25/11

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
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30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
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90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**	9.1.11	
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL						
190	LATHING						
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

Knapp & Associates

ARCHITECTURAL ENGINEERS
2105 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92405
(714) 883-4974

December 3, 1986

HADEN ARCHITECTS
506 North Eureka Avenue
Redlands, Ca. 92373

301 Tennessee

Re: Lazy-Boy Building
Redlands, Ca.

Dear Sirs:

Questionable soils were encountered in three pad footing excavations at the South East corner of the building. My recommendations are to excavate down to firm soil, back fill with 18" of crushed rock, and pour a 12" concrete base, using 2000 psi. mix prior to pouring actual pads. The actual soil bearing on these pads is less than 1500 psf., and therefore this accommodation should be more than sufficient to insure the competency of the pad footings in bearing.

Thank you,

Leonard C. Knapp,
Engineer of Record

RCE 30577

LLOYD RUEDY, INC. DUNKIRK 7-7257
FORM 3-E

CONDUIT AND WIRE SUMMARY

ESTIMATE NO. _____
SHEET NO. _____
OF _____ SHEETS

JOB LAZY BOY PERMIT INFO.

ESTIMATED BY

DATE

440 3Ø 0.5 HP 1.0 AMPS	440 3Ø 5 HP 7 AMPS	440 3Ø 3-4 HP 1.4 AMP	440 3Ø 1 1/2 HP 2.1 A	440 3Ø 1-4 HP .6 AMP
1	1	3	2	1
1.00	2.00	1	1	1.00
		4.00	4.50	

240 3Ø 5 HP 14 AMP	240 1Ø 1 HP 7.8 A	240 1Ø .75 HP 4.8 AMP	240 3Ø 2 HP 6.6 AMP	220 3Ø 1-3 HP 1.2 A	220 3Ø 3 HP 7.8 A	240 3Ø 1 HP 3.2 A	240 1Ø 1-4 HP 2.1 A	240 1Ø 1 HP 5 AMP
1	1	1	1	1	1	1	1	1
1	1		1	1				
4.00	2.00	1.00	3.00	2.00	2.00	1.00	1.00	1.00

120 1Ø 1-2 HP 8.8	120 1Ø 1-4 HP 3.6 A	120 1Ø 1-4 HP 5.2 AMP
1	1	1
1.00	2	
	3.00	1.00

LLOYD RUEDY, INC. DUNKIRK 7-7257
FORM 3-E

CONDUIT AND WIRE SUMMARY

ESTIMATE NO. _____
SHEET NO. _____
OF _____ SHEETS

JOB 128 PERMIT INFO

ESTIMATED BY

DATE

WATER HEATER	STEAM CLEANER	EMPLOYEES TIME CLOCK	120 VOLT 1Ø ½HP	480/240 3Ø 3W	480/240 3Ø 3W	480/240 3Ø 3W	BOILER CONNECT	
240V 1Ø 6.1 KW 27.8 A	120V 1Ø 2.0A	120V 1Ø	4.6 A. PLUG-IN SEWING MACHINES	75 KVA DRY TRANS-FORMER	45 KVA DRY TRANS	5 KVA DRY TRANS.	240V 3Ø 3W	
1	1	1	22	1	1	1		
1.00	1.00	1.00	3@ 22.00	5.00	4.00	2.—	1.00	

480-3Ø 3W-225A POWER PNL. 36C	240 3Ø 3W 225A POWER PNL 42C	480-3Ø 3W-100A POWER PNL. 36C	120/240 1Ø 100A LTG PNL 12 CIR.	240 3Ø 3W 100A PWR PNL. 12 CIR.	20' RUNS OF TROLLEY WITH 4 OUTLETS EACH		
1	2	1	1	1	4		
1.00	1.00	1.00	1.00	1.00	1.60		

CEILING FOR FIBRE GLASS

96" 2 LAMP 1500 MA LTG. FIXTURES	96" 2 LAMP 430 MA LTG FIXTURES	48" 2 LAMP 430 MA LTG. FIXT.	48" 4 LAMP 430 MA LTG. FIXTURES	500 WATT EXP. PRF. INC. FIXTURES	STANDARD LTG. SWS. 120V	STANDARD DUPLEX REC. 120V	48" 1 LAMP 430 MA LTG FIXT.
84	40	60	70	4	4	10	80
4.00 6.40	4.00	6.00	7.00	4.0	.40	1.00	THEY MAY HAVE PERMIT 4.00

480V 3Ø WELDER RECEPT	240V 1Ø 3W RECEPT	Welder	T/S
2	2		
.20	.20	1.50	1.00

San Bernardino County
Flood Control District

COUNTY OF SAN BERNARDINO
PUBLIC WORKS AGENCY

W. A. SIDLER
Flood Control Engineer

825 East Third Street San Bernardino, CA 92415 Telephone (714) 383-1665

July 19, 1973

File: 3-501/4.00

La-Z-Boy West
300 Tennessee Street
Redlands, California 92373

Attn: Courtney A. Leckler,
Vice President

Re: Zone 3, Redlands-Zanja

Gentlemen:

This office has received your letter of June 4, 1973, wherein you indicated that the Flood Control District, in cutting a road along the channel abutting your property on Tennessee Street, has caused a considerable amount of erosion to your property. You note your intent to install chain link fence on your property line and asked that the District undertake a filling of the area to permit this.

In going over this matter and in confirmation of discussions with District representatives, we find that the District has undertaken no excavation of a road or undercut your property. During the recent floods, water eroded the area out. The District, in restoring its channel and levees, has brought them back to design height which, by chance, is lower than the natural ground of your adjoining property. In view of these circumstances, there would appear to be no need on the part of the District to further fill the area.

However, we do recognize the problems that the recent floods have caused your property, and the difficulty of installing a fence along the immediate property line. It would appear that a practical solution on your part, could be a grading of the remaining bank to create an adequate slope accomodating fencing at the toe or top of the slope. Should you wish to undertake filling extending onto District property permitting a fence at the property line, we would be most pleased to work with you or your representatives to ascertain how much encroachment would be feasible to leave adequate access along the channel.

RECEIVED
JUL 20 1973
BUILDING & SURVEY
DEPARTMENT

Although, we do not feel that the District would be able to spend public funds toward the resolution of this problem, we have inquired as to the possibility of excess fill material being available from the nearby County Museum construction, and the possibility of its being made available to you. As of this date, they are unable to definitely ascertain when, or if, it will be available but, such may be possible depending on their further progress. Should such material become available, we would be pleased to work with you to cooperate in your problem.

Very truly yours,

W. A. SIDLER
Flood Control Engineer

WAS:du

cc: John Lang
Building & Safety ✓
F.C.D. Operations Division

File - under address of Log #

ENVIRONMENTAL IMPROVEMENT AGENCY

County of San Bernardino

BUILDING AND SAFETY DEPARTMENT
316 Mt. View · San Bernardino, CA 92415 · (714) 383-2236

Building and Safety Department
Robert M. Singleton ..... Director
Robert J. Mitton ..... Assistant Director
Edward J. McElroy ..... Regional Supervisor

July 20, 1973

City of Redlands
Department of Building & Safety
City Hall
30 Cajon
Redlands, Calif. 92373

This office received the enclosed letter from Flood Control which apparently is related to filling of property in your jurisdiction rather than ours.

Sincerely,

Edward J. McElroy,
Regional Supervisor

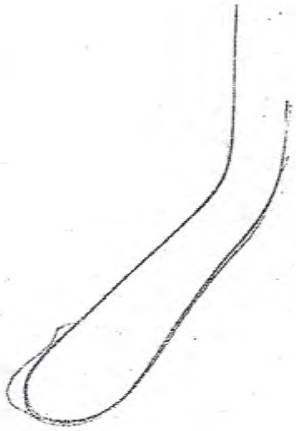
EJMc/ln

ROBERT A. COVINGTON
County Administrative Officer

ROBERT B. RIGNEY, Administrator
Environmental Improvement Agency

Board of Supervisors
NANCY E. SMITH ..... Fifth District
Chairman
JAMES L. MAYFIELD ..... First District
DANIEL D. MIKESELL .. Second District
DENNIS HANSBERGER ...Third District
RUBEN S. AYALA .....Fourth District

300 Tennessee



CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO. RD*33633*BPC*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ , B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2, Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT PLAN CK FOR "AS-BUILT" OFFI
CE 80 SQ FT

PERMIT NO. RD*33633*BPC*

01.419 BUILDING PLAN 30.00

*** TOTAL PERMIT FEE ** $30.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

NICK J. ANDERSON (CHIEF BUILDING OFFICIAL) NJA (BY:) 08/05/97 (DATE)

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

CUSTOMER

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	**PERMIT FINAL**		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	**FINAL FIRE DEPT. INSPECTION**		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*33634*BPC*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ , B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS 1888 CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

JOB SITE ADDRESS / SPACE		
301 TENNESSEE ST		
Owner/Applicant		
LA-Z-BOY,		
Mailing Address		
301 TENNESSEE 2 2		
City	Zip	Tel.
REDLANDS	92373	
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch., Engr., Designer		
Address		Tel.
City	Zip	State Lic. #

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT PLAN CK FOR PARTITION WALL "AS BUILT"

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

PERMIT NO. RD*33634*BPC*

01.419 BUILDING PLAN	30.00
*** TOTAL PERMIT FEE **	$30.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

NICK J. ANDERSON — CHIEF BUILDING OFFICIAL
NJA — BY:
08/05/97 — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

CUSTOMER

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	**PERMIT FINAL**		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	**FINAL FIRE DEPT. INSPECTION**		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*34454*BTI*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

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☐ I am exempt under Sec. _____ , B. & P.C. for this reason _____

Date 1-12-98 Owner LAZBOY JES

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☒ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☒ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT John Stevens

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Class/.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

John Stevens 1-12-98

Signature of Applicant or Agent Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT INTER ALT (308 SQ FT OFFICE)

PERMIT NO. RD*34454*BTI*

01.421	ELECTRICAL INS	37.40
01.420	BUILDING PERMI	163.00
01.419	BUILDING PLAN	106.07

*** TOTAL PERMIT FEE ** $306.47

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

NICK J. ANDERSON (CHIEF BUILDING OFFICIAL) DAH (BY:) 01/12/98 (DATE)

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER _____ CONTRACTOR

CUSTOMER

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

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	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING	1-15-98	
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION	1-20-98	
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
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26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	**PERMIT FINAL**	2-9-98	

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	**FINAL FIRE DEPT. INSPECTION**		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*34503*BFSP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ , B. & P.C. for this reason _____

Date: _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☒ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☒ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT X _____

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY CHAIR COMPANY.		
Mailing Address: 301 TENNESSEE ST 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant: DAART ENGINEERING		
Address: 1090 WABASH		
City: REDLANDS	Zip: 92374	Tel.
State Lic. & Classif.: 372946		City Lic. #
Arch. Engr. Designer:		
Address:		Tel.
City:	Zip:	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date 21 Jan 98 Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

_____
Lender's Name

_____
Lender's Address

_____
Signature of Applicant or Agent

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

X _____ Date 21 Jan 98
Signature of Applicant or Agent

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT: FIRE SPRINKLERS FOR T.I. I N HOUSE CK)

PERMIT NO. RD*34503*BFSP*

01.420 BUILDING PERMI	50.00

*** TOTAL PERMIT FEE ** $50.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

NICK J. ANDERSON (CHIEF BUILDING OFFICIAL) DAH (BY:) 01/21/98 (DATE)

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

CUSTOMER

158

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	**PERMIT FINAL**		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	**FINAL FIRE DEPT. INSPECTION**		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*34503*BFSP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☑ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☑ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT X _____

JOB SITE ADDRESS / SPACE		
2303 TENNESSEE ST		
Owner/Applicant		
U S POLY CHEM COMPANY		
Mailing Address		
2301 TENNESSEE ST#2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant		
HARPE ENGINEERING		
Address		
1000 HARGIS		
City: REDLANDS	Zip: 92373	Tel.
State Lic. & Class(s): 372046		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date 21 Jan 98 Contractor: [signature]

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

[signature] 21 Jan 98

Signature of Applicant or Agent — Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2, Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS 1888 CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT: FIRE SPRINKLERS FOR T.I. IN HOUSE #1

PERMIT NO. RD*34503*BFSP*

01.420 BUILDING PERMI 50.00

CK# 102451

PAID
JAN 21 1998
CITY OF REDLANDS
TREASURER'S OFFICE

*** TOTAL PERMIT FEE ** $50.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

NICK J. ANDERSON — CHIEF BUILDING OFFICIAL | DAH — BY: | 01/21/98 — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

[signature] CONTRACTOR

JOB CARD

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
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25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*37306*BMP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☒ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☒ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT E C Burgeson

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: JOHN EVANS,		
Mailing Address: 301 TENNESSEE ST 2 2		
City: REDLANDS	Zip: 92373	Tel.: 793-3204
Contractor/Applicant: BURGESON'S HEATING & AIR COND., INC		
Address: 620 TENNESSEE STREET		
City: REDLANDS	Zip: 92374	Tel.: 909-793-3685
State Lic. & Classif.: 263871		City Lic. #:
Arch. Engr. Designer:		
Address:		Tel.:
City:	Zip:	State Lic. #:

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-20 Lic. No. 263871

Date 5-4-99 Contractor E C Burgeson

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent E C Burgeson Date 5-4-99

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT NEW HVAC
W/ELECTRIC

PERMIT NO. RD*37306*BMP*

01.424 HEAT. & AIR CO 31.00

PAID
MAY 04 1999
CITY OF REDLANDS
TREASURERS OFFICE

*** TOTAL PERMIT FEE ** $31.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER (CHIEF BUILDING OFFICIAL) DAH (BY:) 05/04/99 (DATE)

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

E C Burgeson CONTRACTOR OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

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Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING	6-2-99	
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	PERMIT FINAL	6-2-99	

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*37641*BMP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☒ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☒ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT C.C Burgeson

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant: BURGESON'S HEATING & AIR COND., INC		
Address: 620 TENNESSEE STREET		
City: REDLANDS	Zip: 92374	Tel.: 909-793-3685
State Lic. & Class/: 263871		City Lic. #:
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-20 Lic. No. 263871

Date 6-17-99 Contractor Burgeson Htg & A/C

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Safeco

Policy Number WC 8153319B

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

X C.C Burgeson X 6-17-99

Signature of Applicant or Agent Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT REPLACE 4 EXISTING HVAC W/G
OETTL NG ENGINE DRIVEN 20 TON HEATPUM
P

PERMIT NO. RD*37641*BMP*

01.421 ELECTRICAL INS	22.00
01.424 HEAT. & AIR CO	155.00

Ck# 3412

PAID
JUN 17 1999
CITY OF REDLANDS
TREASURERS OFFICE

*** TOTAL PERMIT FEE ** $177.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER — DAH — 06/17/99

CHIEF BUILDING OFFICIAL — BY: — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

X C.C Burgeson CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST	7-2-99	BS
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP.		
32	PERMIT FINAL	8-12-99	BS

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

424

CITY OF REDLANDS
Building and Safety Department

PERMIT NO. RD*37941*BCM*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date 8-4-99 Owner J Evans

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

Job Site Address/Parcel: 381 TENNESSEE ST		
Owner/Applicant: LA Z BOY,		
Mailing Address: 381 TENNESSEE 2 2		
City REDLANDS	Zip 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

J Evans
Signature of Applicant or Agent

8-4-99
Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT T.I. 280 SQ FT

PERMIT NO. RD*37941*BCM*

01.421	ELECTRICAL INS	36.00
01.401	PLAN CHECK MIC	12.00
01.420	BUILDING PERMI	100.50
01.419	BUILDING PLAN	65.47

PAID
AUG 04 1999
CITY OF REDLANDS
TREASURERS OFFICE

*** TOTAL PERMIT FEE ** $213.97

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINES AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS. DAH 08/04/99

CHIEF BUILDING OFFICIAL BY: DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X J Evans
OWNER

CONTRACTOR

OFFICE

JOB [redacted]

This inspection record shall be place[redacted]rcuous place on the job.

DIVISION OF BUILDIN[redacted]SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING	8-23-99	SS
11	ELECT WIRING	8-23-99	SS
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL	8-30-99	SS
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL	9-20-99	SS

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*38495*BCM*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date 11-15-99 Owner LA-Z-BOY

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS — INCORPORATED 1888 — CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

JOB SITE ADDRESS / SPACE	301 TENNESSEE ST
Owner/Applicant	LA-Z-BOY CHAIR COMPANY,
Mailing Address	301 TENNESSEE ST 2 2
City / Zip / Tel.	REDLANDS / 92373 /
Contractor/Applicant	
Address	
City / Zip / Tel.	
State Lic. & Classif. / City Lic. #	
Arch. Engr. Designer	
Address / Tel.	
City / Zip / State Lic. #	

ASSESSOR'S PARCEL NUMBER	
USE OF PERMIT	INTERIOR ALTERATIONS

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-15-99

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

PERMIT NO. RD*38495*BCM*

01.401	PLAN CHECK MIC	10.00
01.422	PLUMBING INSPE	59.25
01.421	ELECTRICAL INS	30.00
01.420	BUILDING PERMI	30.00
01.419	BUILDING PLAN	14.30

Ck# 2326

PAID — NOV 15 1999 — CITY OF REDLANDS TREASURERS OFFICE

*** TOTAL PERMIT FEE ** $143.55

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER — RLP — 11/15/99

CHIEF BUILDING OFFICIAL — BY: — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X LA-Z-BOY West
OWNER

CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT	12-14-99	SB
10	FRAMING		
11	ELECT WIRING	1-25-00	SB
12	ROUGH PLUMBING	12-14-99	SB
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL	12-20-99	SB
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	PERMIT FINAL	1-25-00	SB

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS

Building and Safety Department Permit

PERMIT NO. RD*41411*BEP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date X 1-24-01 Owner X J Evans

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: La-Z-Boy		
Mailing Address: 301 Tennessee St.		
City: Rd	Zip: 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name

Lender's Address

Signature of Applicant or Agent

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

X _____ Date X 1-24-01

Signature of Applicant or Agent

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS 1888 1988 CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER	0292-182-21-0000
USE OF PERMIT	ADDING SWITCH GEAR FOR GENE
RATOR	

PERMIT NO. RD*41411*BEP*

01.421 ELECTRICAL INS	55.00

CK# 3048

PAID JAN 24 2001 CITY OF REDLANDS TREASURERS OFFICE

*** TOTAL PERMIT FEE **	$55.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER (CHIEF BUILDING OFFICIAL) DAH (BY:) 01/24/01 (DATE)

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER _____ CONTRACTOR OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE	1-29-07	SS
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL	1-29-07	SS

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*46389*BTI*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date X 12-2-02 Owner X John Evans

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

X John Evans
Signature of Applicant or Agent

X 12-2-02
Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER	
USE OF PERMIT	TENANT IMPROVEMENT

PERMIT NO. RD*46389*BTI*

01.421	ELECTRICAL INS	48.40
01.401	PLAN CHECK MIC	12.00
01.420	BUILDING PERMI	138.00
01.419	BUILDING PLAN	89.83

PAID
DEC - 2 2002

*** TOTAL PERMIT FEE ** $288.23

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER — RAG — 12/02/02

CHIEF BUILDING OFFICIAL — BY: — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X John Evans
OWNER

CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

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	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING	1-16-03	EK
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL	2-27-03	EK

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*49923*BPC*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp. 2, Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY CHAIR COMPANY,		
Mailing Address: 301 TENNESSEE ST 2 2 JOHN		
City: REDLANDS	Zip: 92373	Tel: 793-8828 793-3204
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT PLAN CK FOR HOOD SYSTEM (IN HOUSE)

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

_____ _____

Signature of Applicant or Agent Date

PERMIT NO. RD*49923*BPC*

01.419 BUILDING PLAN 125.00

Ck # 4544

PAID

DEC 09 2003

CITY OF REDLANDS TREASURERS OFFICE

*** TOTAL PERMIT FEE ** $125.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER DAH 12/09/03

CHIEF BUILDING OFFICIAL BY: DATE

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ _____

OWNER CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*49980*PCFSP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS — CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LAZY BOY WEST,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant: FONTANA FIRE EQUIPMENT INC.		
Address: 932 NORTH "D" STREET		
City: SAN BERNARDINO	Zip: 92410	Tel.
State Lic. & Class: 520784		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT HOOD SYSTEM PLAN CHECK

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name

Lender's Address

Signature of Applicant or Agent

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

PERMIT NO. RD*49980*PCFSP

01.419 BUILDING PLAN 125.00

Cust 4925

PAID

DEC 16 2003

CITY OF REDLANDS
(TREASURER'S OFFICE)

*** TOTAL PERMIT FEE ** $125.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER RAG 12/16/03

CHIEF BUILDING OFFICIAL BY: DATE

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ _____

OWNER CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	PERMIT FINAL		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*50559*BPC*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

JOB SITE ADDRESS (STREET) 301 TENNESSEE ST		
Owner/Applicant LA-Z-BOY,		
Mailing Address 301 TENNESSEE 2 2		
City REDLANDS	Zip 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT 1300 SQ FT TENANT IMPROVEMENT
Its a new Conference Room

PERMIT NO. RD*50559*BPC*

01.419 BUILDING PLAN 187.27

Cu # 4515

PAID

FEB 17 2004

CITY OF REDLANDS TREASURER'S OFFICE

*** TOTAL PERMIT FEE ** $187.27

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCES OF THE CITY OF REDLANDS. LWT 02/17/04

RICHARD PEPPER _____ _____
CHIEF BUILDING OFFICIAL BY: DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ FOR LA-Z-BOY
OWNER CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection. Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
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24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	**PERMIT FINAL**		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*51340*BCP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

X Date 5-4-04 X Owner JEvanSLA-Z-Boy

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant		
Address		
City	Zip	Tel.
State Lic. & Classif.		City Lic. #
Arch, Engr, Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

X _____ X 5-4-04

Signature of Applicant or Agent Date

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER	
USE OF PERMIT	1300 SF CONFERENCE CENTER

PERMIT NO. RD*51340*BCP*

01.419	BUILDING PLAN	301.46
01.401	PLAN CHECK MIC	74.00
01.414	STATE MAN GEN	65.00
37.657	OPEN SPACE AQU	45.50
24.633	PARK AQUISITIO	45.50
24.619	PARK CAPITAL I	91.00
01.424	HEAT. & AIR CO	48.40
01.422	PLUMBING INSPE	89.50
01.421	ELECTRICAL INS	153.00
81.1438	STRONG MOTION	16.25
01.420	BUILDING PERMI	755.00

PAID CK #4605

MAY 04 2004

CITY OF REDLANDS TREASURER'S OFFICE

*** TOTAL PERMIT FEE ** $1,684.61

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER — LWT — 05/04/04

CHIEF BUILDING OFFICIAL — BY: — DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ La-Z-Boy _____

OWNER CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING	12-1-04	EK
3	FORMS AND FOOTINGS	12-2-04	EK
4	WATER PIPING		
5	SLAB GRADE	12-2-04	EK
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING	2/1/05	C Cozzal
11	ELECT WIRING	2/1/05	C Cozzal
12	ROUGH PLUMBING	1-13-05	EK
13	PLENUMS DUCTS VENTS	2/1/05	C Cozzal → T-BAR CEILING/VENTS NOT INSTALLED
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION	1-19-05	JR
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES	2-23-05	EK
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	PERMIT FINAL	3/23/05	C Cozzal

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

P.A. caissons OK to pour 11-23-04 EK

P.A. framing, elect, plumb OK @ shear walls

ceiling insulation OK 2-23-05 EK

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*53449*PCFSP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

Job Site Address: 301 TENNESSE ST		
Owner/Applicant: LA Z BOY,		
Mailing Address: 301 TENNESSEE 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant: DAART ENGINEERING		
Address: 1598 NORTH H		
City: SAN BERNARDINO	Zip: 92405	Tel. 888-8696
State Lic. & Class: 372946		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT FIRE SPRINKLER P/C

PERMIT NO. RD*53449*PCFSP

01.419 BUILDING PLAN 200.00

Ck# 106207

PAID
DEC 23 2004
CITY OF REDLANDS
BUILDING OFFICE

*** TOTAL PERMIT FEE ** $200.00

PRESENT TO TREASURER'S OFFICE FOR VALIDATION
NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE IN ACCORDANCE WITH ORDINANCES OF THE CITY OF REDLANDS. RLP 12/23/04

RICHARD L. PEPPER
CHIEF BUILDING OFFICIAL BY: DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days.

All work must be left open for inspection.
Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		

24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		

29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		

32	PERMIT FINAL		

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
Building and Safety Department Permit

PERMIT NO. RD*57643*BMP*

NOTE: THIS FORMAT IS AS REQUIRED AND PRESCRIBED BY STATE LAW

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS GUIDE? ☐ YES ☐ NO

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? ☐ YES ☐ NO

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST AIR QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED, PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERNARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA 92415-0160 - (909) 387-3044

OWNER OR AUTHORIZED AGENT _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2. Grp. 2. Art 2, Section 341, Title 8, C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit from Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

☐ Division of Industrial Safety Permit No. _____

CITY OF REDLANDS CALIFORNIA

BUILDING PERMITS ARE SUBJECT TO EXPIRATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS AFTER DATE OF ISSUANCE OR IF WORK IS SUSPENDED FOR 180 DAYS.

JOB SITE ADDRESS / SPACE: 301 TENNESSEE ST		
Owner/Applicant: LA-Z-BOY CHAIR COMPANY,		
Mailing Address: 301 TENNESSEE ST 2 2		
City: REDLANDS	Zip: 92373	Tel.
Contractor/Applicant: REDLANDS PLUMBING COMPANY/HIGDONS, INC		
Address: 429 TEXAS ST.		
City: REDLANDS	Zip: 92374	Tel: 335-0535
State Lic. & Class/f.: 184826		City Lic. #
Arch. Engr. Designer		
Address		Tel.
City	Zip	State Lic. #

ASSESSOR'S PARCEL NUMBER
USE OF PERMIT: NEW HVAC

PERMIT NO. RD*57643*BMP*

505 HEAT. & AIR CO 127.40

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of the Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date 3/8/06 Contractor _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

CERTIFICATE OF EXEMPTION FORM WORKERS' COMPENSATION INSURANCE

(This Section need not be completed if the permit is for one hundred dollars ($ 100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

Signature of Applicant or Agent _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/8/06

CK# 11023

PAID
MAR - 8 2006
CITY OF REDLANDS
TREASURER'S OFFICE

*** TOTAL PERMIT FEE ** $127.40

PRESENT TO TREASURER'S OFFICE FOR VALIDATION NOT A PERMIT UNLESS VALIDATED.

OWNER SHALL BE RESPONSIBLE FOR THE LEGAL AND ACTUAL PHYSICAL SETBACKS FROM PROPERTY LINE AS REQUIRED BY ORDINANCE OF THE CITY OF REDLANDS.

RICHARD PEPPER (CHIEF BUILDING OFFICIAL) DAH (BY:) 03/08/06 (DATE)

FINAL INSPECTION

PLANS EXAMINER	APPROVE DATE
BLDG. INSPECTOR	FINAL DATE

I DO HEREBY AGREE that all work in connection with this Building and Safety Department Permit shall comply with all the laws and requirements of the City of Redlands, hereinafter called "City", and I hereby certify that in performance of said work, I shall not violate any law of the State of California, including provisions for Workers' Compensation Insurance, licenses and other regulations of the State. I agree to hold the City harmless from any and all liability for personal injury and property damage caused by any work done by me, my employees, agents or representatives on the premises. I agree that this permit shall not make the City subject to any claim for liability arising from any work done thereunder and I agree to pay the amount of such claim against the City.

X _____ OWNER

_____ CONTRACTOR

OFFICE

JOB CARD

This inspection record shall be placed in a conspicuous place on the job.

DIVISION OF BUILDING AND SAFETY
CITY OF REDLANDS
(909) 798-7536
24 Hours Notice REQUIRED for ALL Inspections
Building Inspector's Office Hours 7:00 - 8:00 a.m.

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Inspector must sign all spaces pertaining to this job. **NOTE:** The Uniform Building Code provides for a special charge for reinspections when the work is not ready for initial inspection.

	INSPECTIONS	DATE	INSPECTOR
1	TEMP POWER		
2	GROUND PLUMBING		
3	FORMS AND FOOTINGS		
4	WATER PIPING		
5	SLAB GRADE		
6	BOND BEAMS		

DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED.

7	ROOF DECK		
8	EXTERIOR SHEAR		
9	ELECT CONDUIT		
10	FRAMING		
11	ELECT WIRING		
12	ROUGH PLUMBING		
13	PLENUMS DUCTS VENTS		
14	SHOWER PAN		

DO NOT COVER WORK UNTIL ABOVE HAS BEEN SIGNED.

15	INSULATION		
16	DRYWALL		
17	LATH		
18	T-BAR/FIXTURES		
19	ELECTRICAL SERVICE		
20	COMMERCIAL HOOD		
21	TANK & PIT		
22	SEWER LATERAL		
23	GAS TEST		
24	POOL STEEL & BOND		
25	POOL PLUMBING		
26	POOL ELECT CONDUIT		
27	POOL GAS TEST		
28	POOL FENCE/GATE		
29	MOBILEHOME SET-UP		
30	OCCUPANCY		
31	SPECIAL INSP		
32	PERMIT FINAL	9/6/06	

FIRE DEPT.

	INSPECTIONS	DATE	INSPECTOR
33	FIRE SPRINKLERS		
34	FIRE ALARM		
35	FINAL FIRE DEPT. INSPECTION		

INSPECTORS COMMENTS

ADDITIONAL INFORMATION

CITY OF REDLANDS
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING AND SAFETY DIVISION

PERMIT NUMBER

S14-02164

(909) 798-7536 • Fax (909) 335-4779 • www.ci.redlands.ca.us 35 Cajon Street, Suite 20, Redlands, CA 92373

Permit Sub-Type: 1B-BSI -Sign Permit **Date Issued:** 1/22/2014

Job Site Address/Space: 301 TENNESSEE ST Parcel No: 029219211

OWNER'S INFO

Name: LA Z BOY CHAIR CO

Address: 1284 N TELEGRAPH RD
MONROE,MI

Phone:

CONTRACTOR'S INFO

Name: QUIEL BROS ELECTRIC SIGN SERVICE CO INC

Address: 272 SOUTH I STREET
SAN BERNARDINO,CA 92410

Phone: 909.885-4476

State Lic. No.: 217345 Expires: 01/31/2014

ARCHITECT'S INFO

Name:

Address:

Phone:

APPLICANT'S INFO

Name: NANCY K. PARKER

Address: QUIEL BROS SIGNS

Phone: 909 885 4476

Stories: Height: Bedrooms: Bathooms:

Code Year: Historic District: Zoning:

Haz. Mat.: Sprinklers:

Occupancy:

Valuation: Total Sq. Ft.:

Work Description: ILLUMINATED MONUMENT SIGN 4' TALL BY 7'1"

Fee Details

Item	Description	Account Code	Total Fee	Paid	Due
	30-Electrical Fees	503	111.00	111.00	0.00
D	D-Sign Review by Staff	511	125.00	125.00	0.00
g Fee	Miscellaneous Building Fee - Signs	502	260.00	260.00	0.00
		Total Fees:	**$496.00**	**Balance Due:**	**$0.00**

PAID
JAN 22 2014
BY:

EXPIRATION: Application for which no permit is issued within 180 days from the date of application shall expire. Permits shall automatically expire and become void if work is not commenced within 180 days, or if work is suspended or abandoned for a period of 180 days.

INSPECTIONS: In order for the work authorized under this permit to be considered legal, such work must comply with all applicable codes, and all **required inspections and final approvals** must be obtained. Failure to obtain inspections and final approval will result in the expiration of this permit. **For inspections Call:** (909) 798-7536

WHITE - FILE PINK - ACCOUNTING YELLOW - APPLICANT GOLD - TAX ASSESSOR

Printed on recycled paper

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5 of the Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date: _____ Owner: _____

WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL OR GREATER THAN THE AMOUNTS SPECIFIES ON THE HAZARDOUS MATERIALS GUIDE? YES_____ NO_____

WILL THE PROPOSED BUILDING BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL? YES_____ NO_____

IF "YES" TO ANY OF THE ABOVE, YOU MUST OBTAIN PROPER PERMITS FROM SOUTH COAST ARE QUALITY MANAGEMENT. IF AIR PERMITS ARE NOT REQUIRED , PROVIDE A WRITTEN STATEMENT FROM AIR QUALITY AGENCY.

IF "YES" TO ANY OF THE ABOVE CONTACT: SAN BERARDINO COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, 385 N. ARROWHEAD - FIRST FLOOR PUBLIC COUNTER, SAN BERNARDINO CA. 9245-0160 - (909) 387-3044.

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (Commencing with Sec. 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class: CA Lic. No.: 736345

Date: 1/22/14 Contractor: [signature]

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Sec. 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: COMPANION INS Policy No.: CPCA17045

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

_____ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES OF UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION

☐ I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descent will be made in connection with work authorized with this permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. Chap. 3.2. GRP2. Art2. Section 341, Title 8,C.A.C.)

☐ As owner-builder, I will not employ anyone to do work which would require a permit for Division of Industrial Safety, as noted above, unless such person has a permit to do such work form the division.

☐ Division of Industrial Safety Permit No._____

CONSTRUCTION LENDING AGENCY

_____ I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION OF ENTRY

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the City of Redlands to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: [signature] Date: 1-22-14

CODE #	INSPECTION TYPE	DATE	INITIALS	CODE #	INSPECTION TYPE	DATE	INITIALS
	INSPECTIONS				**POOLS AND SPA**		
10	TEMP POWER			270	POOL STEEL & BONDING		
20	GROUND PLUMBING			280	POOL PLUMBING		
24	UNDERGROUND CONDUIT			290	POOL ELECT CONDUIT		
30	WATER PIPE-UNDERGROUND			300	POOL GAS TEST		
40	FORMS AND FOOTINGS	2/18/14	[signature]	310	POOL FENCE & GATE		
50	SLAB GRADE						
60	BOND BEAM						
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
80	ROOF DECK			330	MOBILEHOME SET-UP		
90	EXTERIOR SHEAR			350	OCCUPANCY		
100	ELECTRICAL CONDUIT			400	SPECIAL INSPECTION		
110	FRAMING						
120	ELECTRIC WIRING			500	**PERMIT FINAL**	3-13-14	VS
130	ROUGH PLUMBING						
140	PLENUMS / DUCTS / VENTS			600	FIRE SPRINKLERS		
150	SHOWER PAN			610	FIRE ALARM		
				620	FINAL FIRE DEPT. INSPECTION		
DO NOT POUR CONCRETE UNTIL ABOVE HAS BEEN SIGNED							
170	INSULATION				**INSPECTORS COMMENTS**		
180	DRYWALL						
190	LATHING						
200	T-BAR / FIXTURES						
210	ELECTRIC SERVICE						
220	COMMERCIAL HOOD						
230	TANK & PIT						
240	SEWER LATERAL						
250	GAS TEST						

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO

■ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 884-4056
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200
☐ Household Hazardous Waste Program
777 East Rialto Avenue • San Bernardino, CA 92415-0799 • (909) 387-2900

PAMELLA V. BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

July 3, 1995

ALEX KIMM
360 KANSAS STREET
REDLANDS CA 92374

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL AT 360 KANSAS STREET, REDLANDS, CALIFORNIA

The Department has received the sample results and/or closure report submitted by **Erickson Inc.** dated **June 29, 1995**.

After review of the reports prepared by you or your agent, it has been determined that the extent of contamination or lack thereof would indicate that no further investigation is warranted at this time.

It is important to note that this can not be construed as a release of liability for the site or declaration that the site is free from contamination. Should further projects or environmental investigations reveal additional contaminants on site you will be responsible and held liable for the investigation and remedial actions.

If you have any questions, please call (909) 387-3082.

MICHAEL J WARD, ET II
Underground Storage Tank Program

ERICKSON, INC
13738 Slover Avenue, Fontana, CA 92337
PHONE 909-355-5601 FAX 909-355-5912

ECO$_2$JET
DRYICE
BLASTING

FAX COVER PAGE

To: MIKE WARD	From : DON HUBBARD
Fax Number : 387.4323	Company : ERICKSON
Date : 6/29/95 Time : 1335	For Information Call:
Subject : TANK REMOVAL RESULTS	Fax Number :

Number of pages (3)

FOLLOWING IS THE ANALYTICAL RESULTS FOR ALEX KIMM TANK REMOVAL @ 360 KANSAS ST. REDLANDS. REMOVED MONDAY 6/26 @ 1300 HRS. IF YOU HAVE ANY QUESTIONS FEEL FREE TO GIVE ME A CALL.

THANKS

DON

EXT. 17.

HAZARDOUS WASTE - MANAGEMENT - TRANSPORTATION - SPILL RESPONSE
INDUSTRIAL CLEANING - ENVIRONMENTAL DECONTAMINATION
TANK (TSDF) PROCESSING - DEGASSING
PLANT CLOSURE - TREATMENT AND FILTRATION-WASTE MINIMIZATION

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---M8015(Gasoline)/M8020(BTEX)---

Client Name: Alex Kimm
Project Manager: Don Hubbard
Project Name: Alex Kimm

Date Sampled: 6-26-95
Date Analyzed: 6-27-95
Date Reported: 6-29-95

Sample Identification		Result (mg/kg or ppm)				
C&E ID	Sample ID	M8015 Gasoline	M8020 Benzene	M8020 Toluene	M8020 Ethylbenzene	M8020 Xylenes
50627D-1	AK1	ND	ND	ND	ND	ND
Detection Limit:		0.5	0.005	0.005	0.005	0.015

ND = Not detected at the indicated detection limit.

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---EPA 7420 (Total Lead)---

Client Name: Alex Kimm
Project Manager: Don Hubbard
Project Name: Alex Kimm

Date Sampled: 6-26-95
Date Analyzed: 6-27-95
Date Reported: 6-29-95

Sample Identification		Result
C&E ID	Sample ID	(mg/kg or ppm)
50627D-1	AK1	9.2
Detection Limit:		2.5

ND = Not detected at the indicated detection limit.

14096 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 310 921-8123, Fax: 310 921-7974

ERICKSON, INC
13738 Slover Avenue, Fontana, CA 92337
PHONE 909-355-5601 FAX 909-355-5912

ECO$_2$JET
DRY ICE
BLASTING

FAX COVER PAGE

To: MIKE WARD	From : DON HUBBARD.
Fax Number : 909-387-4327	Company :
Date : 6-27-95 / Time : 12:05 P.M.	For Information Call: 909-355-5601 EXT-17
Subject : ALEX KIM - TANK PULL	Fax Number :

Number of pages 2

HERE IS A COPY OF THE MANIFEST FOR THE TANK PULLED ON 6-26-95, AS REQUESTED. ANY OTHER QUESTIONS, PLEASE CALL

THANK YOU!

HAZARDOUS WASTE - MANAGEMENT - TRANSPORTATION - SPILL RESPONSE
INDUSTRIAL CLEANING - ENVIRONMENTAL DECONTAMINATION
TANK (TSDF) PROCESSING - DEGASSING
PLANT CLOSURE - TREATMENT AND FILTRATION-WASTE MINIMIZATION

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type Form designed for use on elite (12 pitch) typewriter

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

95183429

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC001052608
Manifest Document No.: 8 3 4 2 9
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.
ERICTANK

3. Generator's Name and Mailing Address
ALEX KIMM
360 KANSAS ST
REDLANDS CA. 92373

4. Generator's Phone (909) 798-7498

5. Transporter 1 Company Name
ERICKSON INC.

6. US EPA ID Number
CAD009466392

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ERICKSON, INC
13738 SLOVER AVE
FONTANA, CA 92337

10. US EPA ID Number
CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA HAZARDOUS WASTE SOLID (waste empty storage tank(s)	001	TP	00800	P
b.				
c.				
d.				

EMPTY STORAGETANK(S) ONCE CONTAINING PETROLEUM BY PRODUCT

K. Handling Codes: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY CONTACT 909-798-7498 ~~PHONE~~
Alex Kimm
GLOVES GOGGLES TANK(S) 4552 JOB # 34311

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ALEX KIMM
Signature: Alex Kimm
Month Day Year: 06 26 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RUSSELL ALEXANDER
Signature: Russell Alexander
Month Day Year: 06 26 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: LT. BARRIGAN
Signature: L.T. Barrigan
Month Day Year: 06 26 95

DO NOT WRITE BELOW THIS LINE.

RE THIS CORK TO DTSC WITHIN 30 DAYS

SAN BERNARDINO COUNTY - DEHS

PAGE 1 / 1

HAZARDOUS MATERIALS FIELD SERVICES

UNDERGROUND STORAGE TANK REMOVAL

INSPECTION FORM

DATE: 26 JUNE 95 TIME: 1000

FACILITY NAME: AG-ALEX KIM

LOCATION: 360 KANSAS, REDLANDS

CONTRACTOR: ERICKSON, INC

INSPECTORS PRESENT DEHS WARD FIRE TEMBY AQMD OTHER

	QUANTITY	HAULER	DESTINATION
TRIPLE RINSATE			
TANKS	1	ERICKSON	ERICKSON

DEGASSING CONTRACTOR

MANIFEST # 95183429 SCAQMD REFERENCE # DRY ICE USED (10-15 # / 1000 g) 50

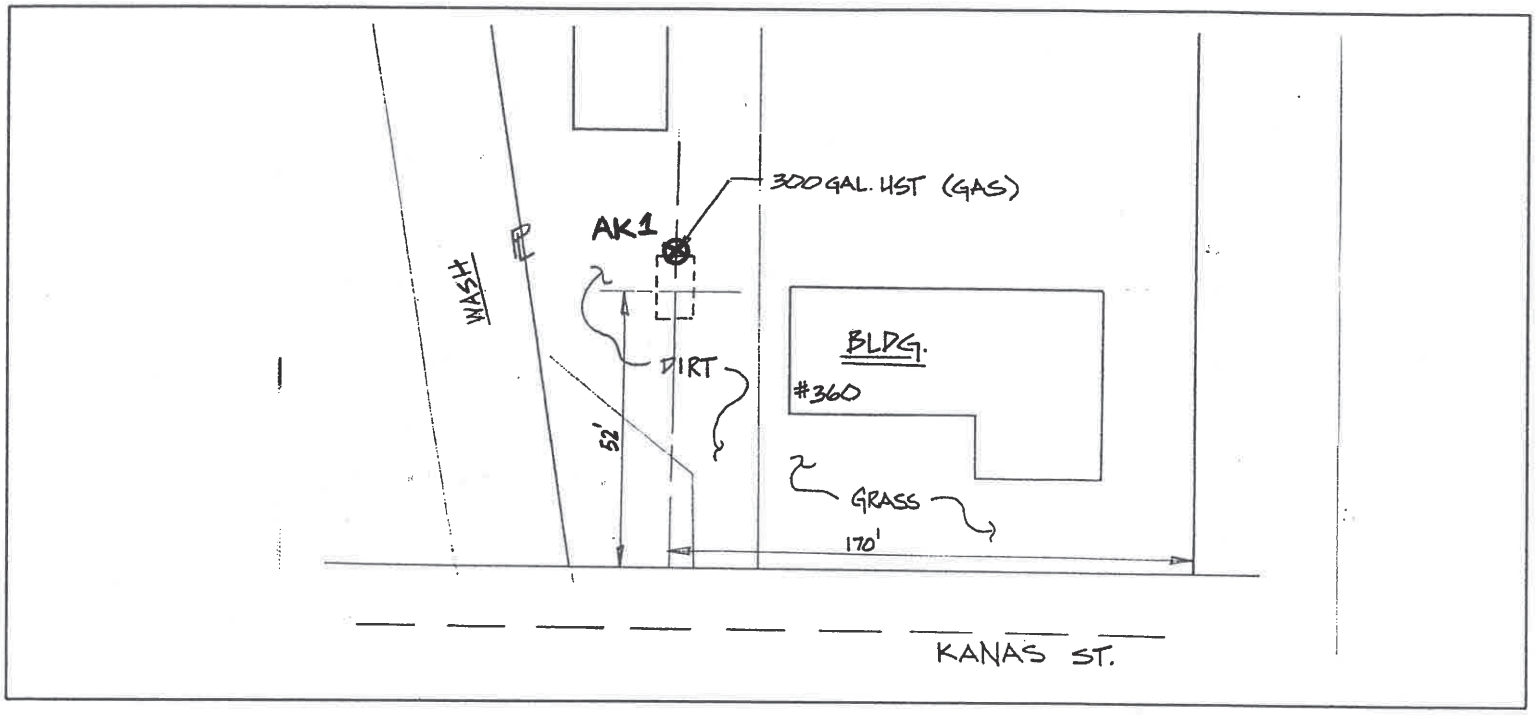
NOTES:

*UST HAULED AS HAZ-WASTE

INSPECTOR

TANK #	SIZE	MATERIAL HELD	UL #	APPEARANCE (RUSTY, HOLED, SOUND, ETC.)
1	300g	GASOLINE	B678514	SOUND

FACILITY MAP:



SAMPLE #	DATE	DESCRIPTION (color / soil / odor)	LOCATION	DEPTH	EPA TEST # 'S
1) AK2	7/3/95	MOIST/SILTY SAND/NONE	N/END UST PIT	7'	8020/8015M-G/7420
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					

SAMPLES TAKEN BY DON HUBBARD - ERICKSON LABORATORY CEE LABS

CONTAINER GLASS LABELS X SPLITS N/A HEADSPACE Ø SEALS X

REFRIGERATED X CHAIN OF CUSTODY X OTHER

REQUIRED EPA TESTS:
Gasoline: 8020 (BTEX) & 8015 (TRPH - modified for gas)
Diesel: 8020 & 8015 (modified for diesel) or 418.1
Solvents/HVO's: 8010
Waste Oil: 418.1 (with 8010 if solvents contamination is suspect)
Metals: 7030 (Cd), 7190 (Cr), 7950 (Zn), 7420 (Pb), 7080 (As), 8080 (PCB), 9010 (CN's)
Pesticides: 8080 (organo-Cl's), 8140 (N & P containing

NOTE:
UGST'S ≥1000 g require a minimum of 2 samples. One from the fill end and one from the turbine end. Also, a sample from the dispenser should be taken. Samples should be taken from at least 2' below native soil (not fill). If discoloration is noted in sidewalls, take samples there. And sample stockpiles if contamination is suspect. For piping, samples should be taken ± every 20' & at major joints.

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3082

LOG # 062095-03 **JOB CARD** 3859

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

REM 1

POST THIS CARD AT JOB SITE

Site Name & Address 360 KANSAS, REDLANDS
AG-ALEX KIMM

Contractor ERICKSON INC

Address/Phone No. 13738 SLOVER, FONTANA / 355-5601

	INSPECTION RECORD	APPROVED BY	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding Materials/Depth		
	Holiday Test, Tanks Set X_____		
	Manufacturer's UL #		
	Additional Requirements:		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Product Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Additional Requirements:		
FINAL INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12'' Beyond Excavation		
	Leak Detectors / Monitors Installed / Operational		
	Lockable Fluid-Tight Access for Monitoring Points		
	Precision Test Results		
	Additional Requirements:		
	FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)		
TANK REMOVAL INSPECTION	Tank(s) Removed X 2	MA	6/26/95
	Required Samples: 8020 8015, 418.1 7420		
	Additional Test Requirements:		
	Removals **Can Not** Be Finaled Until A Copy Of The Sample Results Have Been Received And Approved By This Department.		
	Final — Approved for Backfill	MA	7/3/95

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS.

FOR INSPECTION CALL 5 DAYS IN ADVANCE AT (909) 387-3082.

THIS PERMIT EXPIRES 9 MONTHS FROM DATE OF ISSUANCE

DISTRIBUTION: White — DEHS
Canary — Agency
Green — Owner

14-16867-631 Rev. 3/94

Submit to:
San Bernardino County Department of Environmental Health Services
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

FEE:

$_____ First Tank — Fire Agency _____

$_____ Each Additional Tank — Number of Tanks this Application 1

JOB LOCATION

Facility Name or Contact Person: ALEX KIMM — Phone No.: 909-798-7498

Situs Address: 360 KANSAS ST

City: REDLANDS — State: CA. — Zip Code: 92374

OWNER

Name: SAME — Phone No.:

Mailing Address:

City: — State: — Zip Code:

CONTRACTOR

Name: ERICKSON INC — Phone No.: 909- 355-5601

Mailing Address: 1738 SLOVER — City: FONTANA — State: CA. — Zip Code: 92337

Workman's Comp. No.: CO101469 — Policy No.:

State Contractor's License No.: 168067 — Types: A B HAZ — Expiration Date:

Water Sewer Agency _____

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name: DON HUBBARD — Phone Number: (909) 355-5601

Signature: Don Hubbard — Date: 6/20/95

– OFFICE USE ONLY –

Under Permit ☐ Yes ☑ No

Est. No. _____

No. of Tanks _____

Fees Current ☐ Yes ☐ No

Delinquent Amount AG-EXEMP

Expiration Date _____

Amount $416.00

Check No. 2432

Date Paid 6/20/95

Taken By Pat

Log No. 062095-03

Job Card Issued No. 3859

03-17445-631 Rev. 3/90

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR
ALEX KIMM	ALEX KIMM

ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
360 KANSAS ST	KANSAS & POST	

CITY NAME	STATE	ZIP CODE	SITE PHONE # WITH AREA CODE
REDLANDS	CA	92373	909-798-7498

✓ BOX TO INDICATE: ☐ CORPORATION ☑ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS * ☐ COUNTY-AGENCY * ☐ STATE-AGENCY * ☐ FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____

TYPE OF BUSINESS	☐ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☒ 3 FARM (☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 4 PROCESSOR ☐ 5 OTHER)	☐	3 |	CAC001052608

EMERGENCY CONTACT PERSON (PRIMARY)

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
HUBBARD, DON	900-355-5601
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
SAME	909-424-6039

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION
ALEX KIMM	

MAILING OR STREET ADDRESS	✓ box to indicate: ☑ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
360 KANSAS ST	

CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
REDLANDS	CA.	92374	909-798-7498

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION
ALEX KIMM	

MAILING OR STREET ADDRESS	✓ box to indicate: ☑ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
360 KANSAS ST.	

CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
REDLANDS	CA	92374	909-798-740

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER _____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☑ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
DON HUBBARD on BEHALF OF ALEX KIMM	OWNER	6/20/95

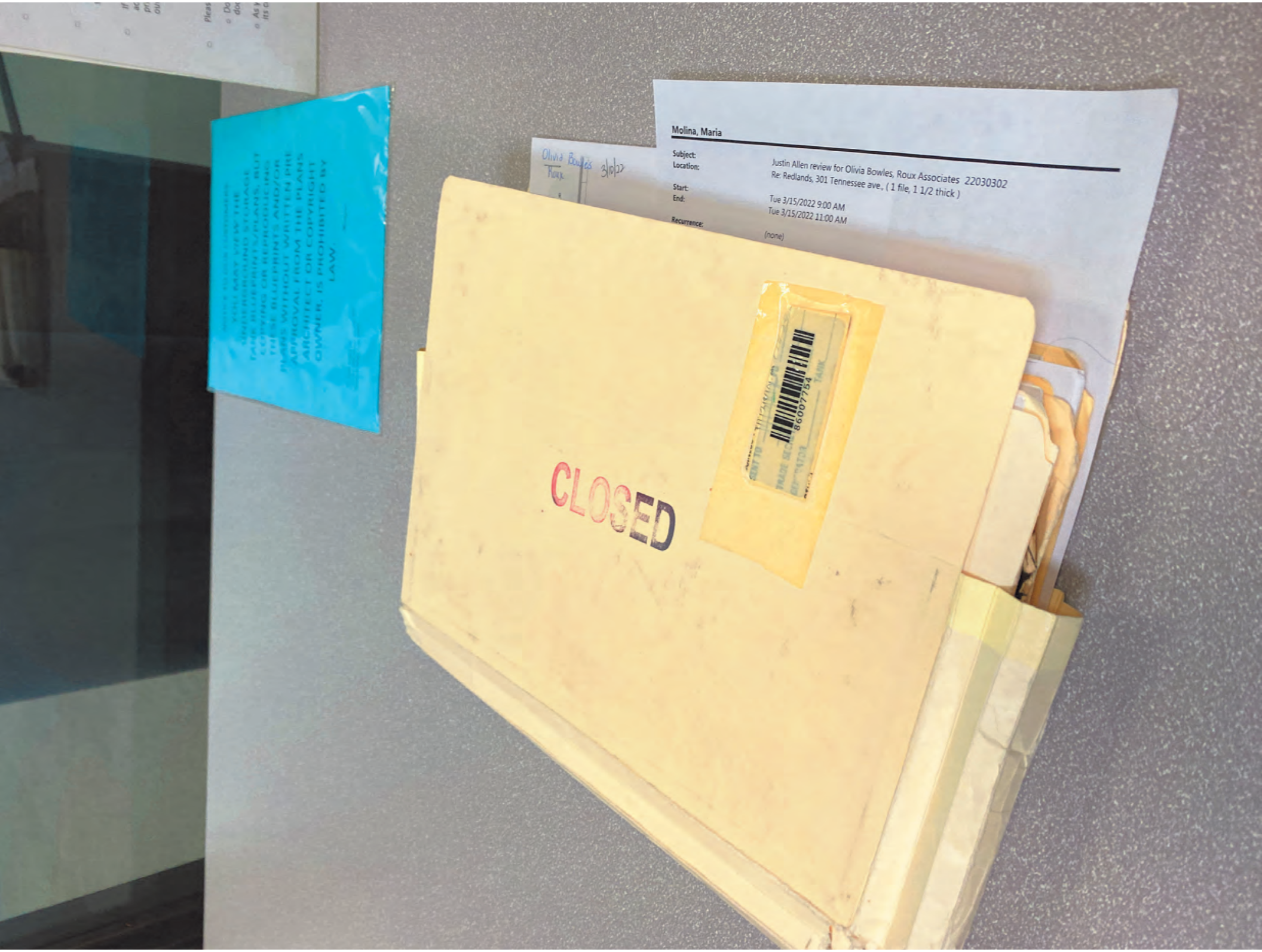
LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
[ ][ ]	[ ][ ][ ]	[ ][ ][ ][ ][ ][ ]

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS


Molina, Maria
Subject:
Location:
Justin Allen review for Olivia Bowles, Roux Associates 22030302
Re: Redlands, 301 Tennessee ave., (1 file, 1 1/2 thick)
Start:
End:
Tue 3/15/2022 9:00 AM
Tue 3/15/2022 11:00 AM
Recurrence:
(none)
CLOSED

SAN BERNARDINO COUNTY CUPA
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:2 AR:0.00

MARCIA MURILLO
LA-Z-BOY WEST
P.O. BOX 8880
REDLANDS, CA 92373

This Unified Permit is hereby issued to:
LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373

Permit is issued to Facility: FA0004349 for a period not to exceed one year from effective date.

Effective Date: 9/1/2014 **Expiration Date: 8/31/2015**

CUPA Facility Type: 5012-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2

Permit Number	Program Element	Related ID
PT0001794	4243 HAZARDOUS MATERIALS 4-10 CHEMICALS	PR0001871
PT0001795	4452 CONDITIONALLY EXEMPT SM QTY GENERATOR	PR0001872

Permitted by:
San Bernardino County CUPA
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Michael A. Horton

Mike Horton, Fire Marshal

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

SAN BERNARDINO COUNTY CUPA
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:3 AR:0.00

MARCIA MURILLO
LA-Z-BOY WEST
P.O. BOX 8880
REDLANDS, CA 92373

This Unified Permit is hereby issued to:
LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373

Permit is issued to Facility: FA0004349 for a period not to exceed one year from effective date.

Effective Date: 9/1/2013 **Expiration Date: 8/31/2014**

Permit Number	Program Element	Related ID
PT0001794	4243 HAZARDOUS MATERIALS 4-10 CHEMICALS	PR0001871
PT0001795	4452 CONDITIONALLY EXEMPT SM QTY GENERATOR	PR0001872
PT0027271	5012 CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2	PR0036149

Permitted by:
San Bernardino County CUPA
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Mike Horton, Fire Marshal

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RPT #PERM-[illegible]962-638 Rev. 2/14 Printed on:11:41:55AM 3/20/2014

CUPA PERMIT CONDITIONS

As a condition of the Certified Unified Program Agency (CUPA) permit to operate, the owner, operator, and permit holder shall comply with the following:

a. Hazardous Materials Release Response Plans and Inventories Program (HMRRP):

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:2 AR:0.00

ATTN : MARCIA MURILLO
LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373-0000

This Unified Permit is hereby issued to:
LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373

Permit is issued to Facility: FA0004349 for a period not to exceed one year from effective date.

Effective Date: 9/1/2012 **Expiration Date: 8/31/2013**

Permit Number	Program Element	Related ID
PT0001794	4225 HAZMAT HANDLER- 100+ EMPLOYEES	PR0001871
PT0021341	4270 EPCRA FACILITY	PR0020660

Mark A. Hartwig, Fire Chief

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

ANNUAL PERMIT

LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373-0000

This Unified Permit is hereby issued to:
LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS, CA 92373-0000

Permit is issued to Facility: FA0004349 for a period not to exceed one year from effective date.

Effective Date: 9/1/2003 Expiration Date: 8/31/2004

Permit Number	Program Element	Related ID
PT0001794	4202 Hazmat Handler 0-10 Employees (w/Gen Prmt)	PR0001871
PT0001795	4430 Limited Quantity Generator(B)	PR0001872

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO 1853

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

12-20962-638 Rev. 8/02

☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PERMIT NUMBER	PERMIT STATUS	4202-HAZMAT HANDLER U-1 ORIGINAL P.E.	09/01/2011 EFFECTIVE DATE	08/31/2012 EXPIRATION DATE	
			PR0001871 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	4425 UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0021341 PERMIT NUMBER	ACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	09/01/2011 EFFECTIVE DATE	08/31/2012 EXPIRATION DATE	
			PR0020660 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.	
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0001795 PERMIT NUMBER	ACTIVE PERMIT STATUS	4430-LIMITED QUANTITY GENER ORIGINAL P.E.	09/01/2011 EFFECTIVE DATE	08/31/2012 EXPIRATION DATE	
			PR0001872 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.	
ADD NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF ACTIVE UST'S 0

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? Yes (No)

ENTERED

*DATE SUBMITTED: 1.5.2012 DATE ENTERED: JAN 18 2012 FISCAL ENTRY DATE/ INITIAL: JAN 31 2012

*SUBMITTED BY: G. MAN ENTERED BY: *Demand bill for updated PEs: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

PER INSPECTION OF 11.28.2011 THIS FACILITY NO LONGER GENERATES HAZARDOUS WASTE. INACTIVATE PE 4430. UPDATE PE 4202 → 4265. THE FACILITY HAS 380 EMPLOYEES.

1.5.2012

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected to complete all fields on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

LA-Z-BOY WEST
301 TENNESSEE ST
REDLANDS
FA0004349

ESTABLISHMENT NUMBER: 86007754

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8601090020 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 15

TYPES OF WASTE GENERATED: 111 Trichloroethane
YEARLY VOLUME (LBS/GALS): 100 Gal
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED: Oil
YEARLY VOLUME (LBS/GALS): 75 Gal
DISPOSAL METHOD : Recycle

TYPES OF WASTE GENERATED:
YEARLY VOLUME (LBS/GALS):
DISPOSAL METHOD :

TYPES OF WASTE GENERATED:
YEARLY VOLUME (LBS/GALS):
DISPOSAL METHOD :

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION

FOR OFFICE USE ONLY:

CATGY: 228701 EXP: 04/30/1993 LOC: 61

SANI : 0600 MFR: APN:

EH401B *** CONT PROGRAM *** CONT PROGRAM

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **LA-Z-BOY WEST** FACILITY ID: **FA0004349**

ADDRESS: **301 Tennessee St** CERS ID:**10041319**

CITY: **Redlands** STATE: **CA** ZIP CODE: **92373** INSPECTION DATE: **11/17/2017**

Inspector was given permission to: [X] photograph [X] inspect

Inspection Narrative (v020000)

An inspection was conducted on November 17, 2017 to determine compliance with hazardous materials and hazardous waste, laws and regulations. Consent to inspect and photograph granted by Darrell Mealer, EHS Manager. The facility escort was Darrell Mealer.

The facility is a furniture assembly center. The facility stores hazardous materials as a result of adhesive used in furniture assembly. The facility does not generate hazardous waste.

INVENTORY:
Hazardous materials inventory is consistent with 4/25/17 CERS submittal.

DOCUMENTATION REVIEW:
- Hazardous materials handler permit was obtained and expire August 31, 2018.
- Business Plan is established and last updated April 25, 2017. CERS ID: 10041319.
- EPA ID Number obtained. CAD005544465 was active.
- Hazardous waste disposal records and manifests were not available for review.
- Employee training is provided annually.
- Universal waste managed lawfully.

No violations observed during inspection.

Contact Jerry Nguyen at 909-386-8401 or JNguyen@sbcfire.org with questions regarding this inspection report.

The following lines marked in the V column are violations that must be corrected. Marked items in the N column require additional information to determine compliance.

VIOLATION CODE	DESCRIPTION	SECTION	V	N
42	**HMRRP (HAZARDOUS MATERIALS HANDLER)**			
H201	Hazardous Material Handler Permit Current	23.0602(a)		
H202	Hazardous Materials Business Plan Established and Implemented	CAL. HEALTH & SAFETY CODE 25507		
H203	Hazardous Materials Business Plan Submittal	CAL. HEALTH & SAFETY CODE 25505, 25508(a)(1)		
H204	Immediately report any release or threatened release of a hazardous material	CAL. HEALTH & SAFETY CODE 25510(a)		
H205	Facility access for inspection granted	CAL. HEALTH & SAFETY CODE 25511		
H206	Business Plan Annual Review/Certification	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25508.		
H209	Business plan update within 30 days of change	CAL. HEALTH & SAFETY CODE 25508.1(a)-(f)		
H210	Business Activities Page and/or Business Owner/Operator Identification Page	CAL. HEALTH & SAFETY CODE 25508(a)(1)		
H211	Hazardous materials inventory	CAL. HEALTH & SAFETY CODE 25505, 25506, 2550		
H212	Site map	CAL. HEALTH & SAFETY CODE 25505(a)(2), 25508(		
H213	Emergency response plan	CAL. HEALTH & SAFETY CODE 25505(a)(3), 25508(		
H214	Training Program not included and/or is not adequate	CAL. HEALTH & SAFETY CODE 25505(a)(4), 25508(		
H215	Training Documentation	CAL. HEALTH & SAFETY CODE 25505(a)(4)		
H216	Business plan readily available	CAL. HEALTH & SAFETY CODE 25505,		
H220	Property owner notification	CAL. HEALTH & SAFETY CODE 25505.1		
H221	Property owner business plan	CAL. HEALTH & SAFETY CODE 25505.1		
H222	Agricultural handler emergency response plan	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507.		
H223	Agricultural handler training program	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507.		
H224	Remote unstaffed facility	CAL. HEALTH & SAFETY CODE 25505,25506,25507		

VIOLATION CODE	DESCRIPTION	SECTION	V	N
44	**HAZARDOUS WASTE GENERATOR**			
0101	CUPA Hazardous Waste generator permit current	S.B. COUNTY CODE 23.0602(b)(1)		
0102	Facility access for inspection	CAL. HEALTH & SAFETY CODE 25185		
0103	Hazardous Waste determination	CAL. CODE OF REGULATIONS 66262.11		
0104	EPA ID Number	CAL. CODE OF REGULATIONS 66262.12(a)		

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SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 11.28.2011		
FACILITY ID 4349	FACILITY NAME: LA – Z – BOY WEST	FACILITY LOCATION: 310 TENNESSEE ST., REDLANDS
Consent Granted by: X Inspect X Photograph	NAME MS. MARCIA MURILLO	TITLE SAFETY MANAGER

Inventory (observed):

(18) 5-Gal containers of adhesive
(1) 55-Gal drum of adhesive
(2) 270-gal totes of adhesive
(2) 270-Gal totes of Cal Foam Bond 100
(1) 287-Gal tank of Propane
(2) 55-Gal drums of heavy duty degreaser
(4) 55-Gal drums of AW-60 wax
(1) ~1,000-Lbs pallet of poly glue
(4) 55-Gal drums of diesel
(2) 55-Gal drums of hydraulic fluid
(7) 55-Gal drums of universal waste (aerosols)
~(26) 55-Gal empty drums

Note: The above list is an approximation of the hazardous materials/hazardous waste inventory observed at the time of inspection. It is the operator's responsibility to disclose all hazardous materials at or above threshold quantities (200-Ft^3, 55-Gal or 500-Lbs) and any amount of all hazardous waste streams, in the Inventory section of the Business Emergency/Contingency Plan.

Document Review:

Hazardous materials CUPA permits are current. A CUPA Business Emergency/Contingency Plan has been established/submitted to this Division and is dated 2.25.2011. The Business Plan maps lack the storage locations of all hazardous materials inventory. The EPA ID number CAD005544465 issued to this facility was in active status at the time of inspection; however, this facility does not currently generate hazardous waste. Universal waste records are maintained. Universal waste management was discussed. Employee safety training is provided.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ (Sign Name) GHEORGHE MAN (Print Name)

Received By: CERTIFIED MAIL (Sign Name) N/A (Print Name)

Title: N/A

Report Date: 1.5.2012

Form Revised 1/16/2007

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SUPPLEMENTAL INSPECTION REPORT

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:	INSPECTION DATE:
FA0004349	La-Z-Boy West	301 Tennessee St., Redlands	4/21/08
Consent Granted by: ☒ Inspect ☒ Photograph	NAME: James McHenry	TITLE: Safety Manager	

Report Continued:

Since the process has changed, the inventory has also changed. So some of the manufacturing processes to are now outsourced. The only hazardous waste generated is some waste oil from the sewing machines. No paint related hazardous wastes are generated.

Inventory:

- one cabinet with small amounts of leather touch up paint.
- 1 pallet of 4x55 gallon drums of wax in the wood prep room.
- 2x 300 gallon totes of wood glue in the wood prep room.
- 1x 300 gallon tote of foam glue in wood prep room.
- 1x 300 gallon tote of foam glue in the prep room.
- 1x 287 gallon propane tank on the outside of the north end of bldg.
- 1x 55 gallon drum of waste oil. ~~four~~
- ~~Four~~ Two battery operated forklifts + ~~two~~ batt. operated haulers.

Violations to be corrected within 30 days:

#104 - Failure to obtain EPA ID number.
I was unable to confirm the establishment of an EPA ID# due to a lack of waste oil receipts.

Compliance Requirement: Provide a copy of an active EPA ID# to this department.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: [signature] (Sign Name) Duane Planello (Print Name)

Received By: [signature] (Sign Name) Thomas Ed (Print Name) Title: FACILITIES MGR

Report Date: 4/21/08

big deal."

Officials manipulated the assembly line so that this chair

See CHAIRS, A-8

Albert Ramirez, quality control inspector at La-Z-Boy's

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SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 4/21/08

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA0004349	La-Z-Boy West	301 Tennessee St., Redlands
Consent Granted by: ☒ Inspect ☒ Photograph	NAME James McHenry	TITLE Safety manager

Violations Continued:

#111- Hazardous waste label incomplete.

#112- Accumulation start date missing.

The hazardous waste label on the waste oil drum was incomplete and missing required information.

Compliance Requirement: Provide a photo showing a completed hazardous waste label. Send the photo to this department.

#137- Consolidated manifesting records not available

This facility is a small quantity generator and has not disposed of any hazardous waste in over 1 year. Therefore the last record must be accessed in the archived files.

Compliance Requirement: Provide a copy of the last receipt showing removal of waste oil to this department.

#203- Failure to update / submit a business plan.

#230- Failure to implement the business plan.

The business plan for this facility was last submitted in 1994. The plan is required to be updated annually and submitted annually by March 1st.

Compliance Requirement: Complete the business plan and submit the original and one copy to this department.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: [signature] Sign Name — Dwane Hanalto Print Name

Received By: Thomas J Eder Sign Name — THOMAS J. EDER Print Name

Title: FACILITIES MGR

Report Date: 4/21/08

301 TENNESSEE ST.

REDLANDS

Sent to PD

etc.)

6-1-95

Sent 7-

-17-09

s. 1+2

FT

San Bernardino County Fire Department • Hazardous Materials Division

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INVENTORY SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

La-2-Boy West

Item # 3.	Name of Hazardous Material or Waste Lubricating Oil (Example Only)	Maximum Quantity 555	Size of Largest Container 500	Unit of Measure Gallon
1	Hydraulic Fluid	110	55	GAL
2	Propane Tank	287	287	GAL
3	Cal Foam Bond 100	540	270	GAL
4	AW-60 Wax	220	55	GAL
5	I 116 Synthetic Resin adhesive	699	270	GAL
6	Lead Sulfate / Lead / Forklif Batteries inside	10,944	2,743	LBS
7	Sulfuric Acid	1,099	2,743	LBS
8.	Heavy Duty Degreaser (floor scrubber)	110	55	GAL
9	Hot Melt adhesive	1,400	29	LBS
10	Diesel	220	55	GAL
11	aerosols (universal waste)	385	55	GAL
12	Waste Empty Containers (Non DOT regulated)	1540	55	GAL
13	Waste non-Hazardous Liquid Waste material	55	55	GAL

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
[signature]	Jovito Dabu	1/16/2012

Inventory Summary Page 1 of 1

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-Boy West 3

FACILITY ID # F A 0 0 0 4 3 4 9 1 | MAP# 1 203 | GRID# B,1 & F2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME: AW-60 Wax-Petroleum 205
TRADE SECRET ☐ Yes ☒ No 206 (If Subject to EPCRA, refer to instructions)

COMMON NAME: AW-60 Wax Hydrocarbon 207
EHS* ☐ Yes ☒ No 208

CAS# 209
*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only): ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211
RADIOACTIVE ☐ Yes ☒ No 212
CURIES 213

PHYSICAL STATE (Check one item only): ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214
LARGEST CONTAINER: 55 Gal 215

FED HAZARD CATEGORIES (Check all that apply): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
220	220	0	0

UNITS* (Check one item only): ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
*If EHS, amount must be in pounds.
DAYS ON SITE: 365 222

STORAGE CONTAINER:
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON 223

STORAGE PRESSURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 55-57% 226	Petroleum Slack Wax 227	☐ Yes ☒ No 228	229
2 2-3% 230	Monocarboxylic Acid 231	☐ Yes ☒ No 232	233
3 1-2% 234	Triethanolamine 235	☐ Yes ☒ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

UPCF (Rev. 12/2007)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): La-Z-Boy West (3)

FACILITY ID #: F A 0 0 0 4 3 4 9 (1) | MAP# (203): 1 | GRID# (204): F2, E2

II. CHEMICAL INFORMATION

CHEMICAL NAME (205): Lead/Acid Storage Battery
TRADE SECRET (206): ☐ Yes ☐ No — If Subject to EPCRA, refer to instructions

COMMON NAME (207): Lead/Acid Storage Battery
EHS* (208): ☒ Yes ☐ No

CAS# (209):
*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) (211): ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE
RADIOACTIVE (212): ☐ Yes ☐ No
CURIES (213):

PHYSICAL STATE (Check one item only) (214): ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS
LARGEST CONTAINER (215): 2,743 lbs Battery

FED HAZARD CATEGORIES (Check all that apply) (216): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
16,386 lbs - 6 Batteries	16,386 lbs - 6 Batteries	0	N/A

UNITS* (Check one item only) (221): ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS
* If EHS, amount must be in pounds.
DAYS ON SITE: (222): 365

STORAGE CONTAINER (223):
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☒ r. OTHER (Inside Forklift Battery) ☐ o. TOTE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR

STORAGE PRESSURE (224): ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE (225): ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	65 (226)	Lead/lead oxide/lead sulfate (227)	☒ Yes ☐ No (228)	7439-92-1 (229)
2	1.5 (230)	Antimony (231)	☐ Yes ☐ No (232)	7440-36-0 (233)
3	.1 (234)	Arsenic (235)	☐ Yes ☐ No (236)	7440-38-2 (237)
4	24 (238)	Sulfuric Acid (239)	☒ Yes ☐ No (240)	7664-93-9 (241)
5	.15 (242)	Calcium (243)	☐ Yes ☐ No (244)	7440-70-2 (245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

If EPCRA, Please Sign Here

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-Boy West 3

FACILITY ID # FA0004349 1 MAP# 1 203 GRID# B1 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: Detergent concentrate Degreaser
TRADE SECRET 206: ☐ Yes ☒ No (If Subject to EPCRA, refer to instructions)
COMMON NAME 207: Advanced Ultra Degreaser
EHS* 208: ☐ Yes ☒ No
CAS# 209: 111-76-2, 1310-73-2, 6834-92-0
*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) 211: ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE
RADIOACTIVE 212: ☐ Yes ☒ No
CURIES 213:
PHYSICAL STATE (Check one item only) 214: ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS
LARGEST CONTAINER 215: 55 GAL
FED HAZARD CATEGORIES (Check all that apply) 216: ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
110	110	0	0

UNITS* (Check one item only) 221: ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (* If EHS, amount must be in pounds.)
DAYS ON SITE: 222: 365

STORAGE CONTAINER 223:
☐ a. ABOVE GROUND TANK ☒ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE 224: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT
STORAGE TEMPERATURE 225: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	226	2-Butoxyethanol 227	☐ Yes ☒ No 228	111-76-2 229
2	230	~~1310-73-2~~ Sodium Hydroxide (Lye) 231	☐ Yes ☒ No 232	1310-73-2 233
3	234	Sodium Metasilicate, Anhydrous 235	☐ Yes ☒ No 236	6834-92-0 237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): La-2-B04 West (3)

FACILITY ID #: F A 0 0 0 4 3 4 9 (1) MAP#: 1 (203) GRID#: C3 (204)

II. CHEMICAL INFORMATION

CHEMICAL NAME (205): Mobilcut 102
TRADE SECRET (206): ☐ Yes ☒ No — If Subject to EPCRA, refer to instructions

COMMON NAME (207): Diesel - Mobilcut 102
EHS* (208): ☐ Yes ☒ No

CAS# (209):
*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) (211): ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE
RADIOACTIVE (212): ☐ Yes ☐ No
CURIES (213):

PHYSICAL STATE (Check one item only) (214): ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS
LARGEST CONTAINER (215): 55Gal

FED HAZARD CATEGORIES (Check all that apply) (216): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
220	226	0	0

UNITS* (Check one item only) (221): ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS
* If EHS, amount must be in pounds.
DAYS ON SITE: (222) 365

STORAGE CONTAINER (223):
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE (224): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE (225): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	1-5% (226)	Fatty Acids, Tall Oil compds w/ Triethanolamine (227)	☐ Yes ☒ No (228)	68132-46-7 (229)
2	1-5% (230)	Fatty Acids, Tall-oil, compds with Ethanolamine (231)	☐ Yes ☒ No (232)	68132-47-8 (233)
3	1-5% (234)	Potassium carboxylic soap acid (235)	☐ Yes ☒ No (236)	66072-08-6 (237)
4	(238)	(239)	☐ Yes ☐ No (240)	(241)
5	(242)	(243)	☐ Yes ☐ No (244)	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

If EPCRA, Please Sign Here

UPCF (Rev. 12/2007)

SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 (1) (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA) (3)

LA-Z-BOY WEST

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	WASTE HYDRALIC OIL	55	55	GAL
2	PROPANE	287	287	GAL
3	CALFOAM BOND 100	540	270	GAL
4	CRYSTAL-CER TM 67 WAX EMULSION	275	55	GAL
5	I 116B SYNTHETIC RESIN	710	270	GAL
6	LEAD/LEAD OXIDE/LEAD SULFATE	10,944	FORKLIFT BATTERY 2,743	LBS
7	SULFURIC ACID	1,099	FORKLIFT BATTERY 2,743	LBS

RECEIVED
JUL 16 2009
S.B. CO. FIRE DEPT.

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) (136)	DATE (134)
	JOVITO DABU	7/14/09

Inventory Summary Page 1 of 1

ENTERED
JUL 16 2008

FD SENT
JUL 16 2009

THIS INVENTORY REPLACED BY BP OF 3.2.2011

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BUSINESS OWNER/OPERATOR IDENTIFICATION

I. IDENTIFICATION

FACILITY ID# 1: FA0004349	BEGINNING DATE 100: 3/1/2012	ENDING DATE 101: 3/1/2013	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: La-Z-Boy West	BUSINESS PHONE 102: 909-793-3204		
BUSINESS SITE ADDRESS 103: 301 Tennessee Street	BUSINESS FAX 102a: 909-793-3071		
BUSINESS SITE CITY 104: Redlands	CA	ZIP CODE 105: 92373	COUNTY 108: San Bernardino
DUN & BRADSTREET 106: N/A	PRIMARY SIC 107:	PRIMARY NAICS 107:	
BUSINESS MAILING ADDRESS 108a: 301 Tennessee St.			
BUSINESS MAILING CITY 108b: Redlands	STATE 108c: CA	ZIP CODE 108d: 92373	
BUSINESS OPERATOR NAME 109: La-Z-Boy West	BUSINESS OPERATOR PHONE 110: 909) 793-3204		

II. BUSINESS OWNER

OWNER NAME 111: Jovie Dabu	OWNER PHONE 112: 909-793-3204 x2201	
OWNER MAILING ADDRESS 113: 301 Tennessee St.		
OWNER MAILING CITY 114: Redlands	STATE 115: CA	ZIP CODE 116: 92373

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Marcia Murillo	CONTACT PHONE 118: 909-793-3204	
CONTACT MAILING ADDRESS 119: 301 Tennessee St.	CONTACT EMAIL 119a: marcia.murillo@la-z-boy.com	
CONTACT MAILING CITY 120: Redlands	STATE 121: CA	ZIP CODE 122: 92373

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Marcia Murillo	NAME 128: David Stucker
TITLE 124: EHS Manager	TITLE 129: Maintenance Manager
BUSINESS PHONE 125: 909-793-3204 x2245	BUSINESS PHONE 130: 909-900-2110
24-HOUR PHONE 126: 909-557-6004	24-HOUR PHONE 131: 909-793-3204 x2308
PAGER # 127:	PAGER # 132:

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133

Number of Employees: 380 Number of Underground Storage Tanks: 0

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134: 1/16/12	NAME OF DOCUMENT PREPARER 135: Marcia Murillo
NAME OF SIGNER (print) 136: Jovito M. Dabu	TITLE OF SIGNER 137: EHS Manager	

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EMERGENCY RESPONSE PLANS AND PROCEDURES

BUSINESS NAME (Same as FACILITY NAME or DBA)
La-Z-Boy West

State Law requires your business to complete all sections of the Emergency Response Procedure listed below:

For each of the following, **briefly** describe your business's standard operating procedures relating to the release or threatened release of hazardous materials located at your facility. You may attach additional pages if necessary, but do not include copies of facility manuals unless requested to do so by this Department. You may reference manuals that are used by your facility for these procedures, but you must still give a brief description here.

EVACUATION/NOTIFICATION: Indicate location(s) where employees, customers, visitors or others on site are to evacuate in an emergency. Describe how your business will immediately notify people and evacuate the facility in the event of a release or threatened release of hazardous materials. Include the route and meeting place.

- Through Plant Public announcement system all employees are notified that there is an emergency situation.
- All employees have had training and are to go to their designated emergency evacuation site.
- Roll is taken at each site
- All employees are kept at their designated site until released by someone from the emergency response ~~team~~.

PREVENTION/MITIGATION/ABATEMENT: Describe what policies and procedures your business will follow to prevent, reduce and/or remove the hazard to persons, property or the environment caused by a release or threatened release of hazardous materials and/or hazardous wastes. (√ Check those items that apply and write additional information in the space provided).

- ☐ Reduction of containers on site if not used or needed
- ☒ Containers are properly labeled and closed when not in use
- ☒ Compressed gas cylinders are properly secured
- ☐ Use of monitoring system Type: _____
- ☐ Other:

Date: 1/16/2012

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EMERGENCY RESPONSE PLANS AND PROCEDURES

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

La-Z-Boy West

FACILITY EMERGENCY EQUIPMENT: List facility emergency equipment on site (e.g. fire extinguisher, fire alarms, spill control equipment, SCBA, first aid kits, etc.). Include test/maintenance plan. (√ Check those items that apply and write additional information in the space provided)

	Equipment	Quantity/Type	Maintenance Schedule/Frequency
☒	Fire extinguisher(s)	50 FPP	Monthly checks / yearly service
☒	First aid kit(s)	6	Monthly
☒	Fire alarm(s)	One System	Quarterly
☒	Spill control equipment	One cart w/ absorbant	Yearly
☐	Monitoring system		
☐	Personal Protective Equipment		
☐			
☐			
☐			
☐			

FACILITY EARTHQUAKE RESPONSE: Identify areas of the facility as well as mechanical or other systems that require immediate inspection due to their vulnerability to earthquake related ground motion. (e.g. Hazardous materials or waste storage locations, vessels, piping, pipe and tank supports, valves, gauges, etc.) (√ Check those items that apply and write additional information in the space provided)

- ☒ Chemical Storage Locations – Product and Waste
- ☐ Process vessels
- ☒ Aboveground storage tanks
- ☒ Emergency shut-off systems
- ☒ Piping and pipe supports
- ☒ Utility connections
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

ARRANGEMENTS/AGREEMENTS: Describe any arrangements or agreements that you have with private emergency response teams, waste haulers, disposal companies, recyclers, local hospitals, police and/or fire. If you have no arrangements or agreements, state that fact in the space provided. (√ Check those items that apply and write additional information in the space provided)

- ☒ Hazardous waste hauler Material Handling (contractor)
- ☐ Emergency response team _____
- ☐ Local hospitals _____
- ☐ Other: _____
- ☐ No arrangements or agreements at this time

Date: 1/12/2011

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INVENTORY SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA) — 3

LA-Z-Boy West

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	Hydraulic Fluid	110	55	GAL
2	Propane Tank	287	287	GAL
3	Cal Foam Bond 100	540	270	GAL
4	AW-60 Wax	220	55	GAL
5	I 116 Synthetic Resin adhesive	699	270	GAL
6	Lead Sulfate/Lead/Forklift Batteries inside	10,944	2,743	LBS
7	Sulfuric Acid	1,099	2,743	LBS
8.	Heavy Duty Degreaser (floor scrubber)	110	55	GAL
9	Hot Melt adhesive	1,400	29	LBS
10	Diesel	220	55	GAL
11	aerosols (universal waste)	385	55	GAL
12	Waste Empty Containers (Non DOT regulated)	1540	55	GAL
13	Waste non-Hazardous Liquid (Non regulated material)	55	55	GAL

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
[signature]	Jovito Dabu	1/16/2012

(1)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

Page ___ of ___

☒ MATERIAL ☐ WASTE

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): La-Z-Boy West (3)

FACILITY ID #: F A 0 0 6 4 3 4 9 (1) | MAP#: 1 (203) | GRID#: C3 (204)

II. CHEMICAL INFORMATION

CHEMICAL NAME (205): 76 Unax | TRADE SECRET (206): ☐ Yes ☒ No — If Subject to EPCRA, refer to instructions

COMMON NAME (207): Hydraulic Fluid | EHS* (208): ☐ Yes ☒ No

CAS# (209) | *If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) (211): ☐ a. PURE ☐ b. MIXTURE ☐ c. WASTE | RADIOACTIVE (212): ☐ Yes ☐ No | CURIES (213)

PHYSICAL STATE (Check one item only) (214): ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS | LARGEST CONTAINER (215): 55 GAL

FED HAZARD CATEGORIES (Check all that apply) (216): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
110	110	0	0

UNITS* (Check one item only) (221): ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS — * If EHS, amount must be in pounds. | DAYS ON SITE: (222) 365

STORAGE CONTAINER (223):
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE (224): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE (225): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 (226)	Lubricant Base Oil (227)	☐ Yes ☒ No (228)	(229)
2 (230)	(231)	☐ Yes ☐ No (232)	(233)
3 (234)	(235)	☐ Yes ☐ No (236)	(237)
4 (238)	(239)	☐ Yes ☐ No (240)	(241)
5 (242)	(243)	☐ Yes ☐ No (244)	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

If EPCRA, Please Sign Here

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-Boy West 3

FACILITY ID # FA0004349 1 MAP# 1 203 GRID# C1 204

II. CHEMICAL INFORMATION

CHEMICAL NAME Propane 205

TRADE SECRET ☐ Yes ☒ No 206 (If Subject to EPCRA, refer to instructions)

COMMON NAME Commercial Odorized Propane 207

EHS* ☐ Yes ☒ No 208

CAS# 74-98-6 209

*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☐ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☐ b. LIQUID ☒ c. GAS 214

LARGEST CONTAINER 287 GAL 215

FED HAZARD CATEGORIES (Check all that apply) ☒ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
287	287	0	6

UNITS* (Check one item only) ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221 (* If EHS, amount must be in pounds.)

DAYS ON SITE: 365 222

STORAGE CONTAINER
☒ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER 223

STORAGE PRESSURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	92 226	Propane 227	☐ Yes ☒ No 228	74986 229
2	5 230	Propylene 231	☐ Yes ☒ No 232	115071 233
3	3 234	Butane 235	☐ Yes ☒ No 236	106978 237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

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(3)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: La-Z-Boy West

FACILITY ID # 1: F A 0 0 0 4 3 4 9 | MAP# 203 | GRID# 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: CalFoam Bond 100

TRADE SECRET 206: ☐ Yes ☒ No (If Subject to EPCRA, refer to instructions)

COMMON NAME 207: Natural Latex compound

EHS* 208: ☐ Yes ☒ No

CAS# 209: 7664-41-7

*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) 211: ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE 212: ☐ Yes ☒ No

CURIES 213:

PHYSICAL STATE (Check one item only) 214: ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

LARGEST CONTAINER 215: 270 gal

FED HAZARD CATEGORIES (Check all that apply) 216: ☒ a. FIRE ☐ b. REACTIVE ☒ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
540	540	0	0

UNITS* (Check one item only) 221: ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (* If EHS, amount must be in pounds.)

DAYS ON SITE: 222: 365

STORAGE CONTAINER 223:
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☒ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE 224: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	Ammonia 227	☐ Yes ☒ No 228	7664-41-7 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-Boy West 3

FACILITY ID # F A 0 0 0 4 3 4 9 1 MAP# 1 203 GRID# B,1 & F2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME AW-60 Wax-Petroleum 205 TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME AW-60 Wax Hydrocarbon 207 EHS* ☐ Yes ☒ No 208

CAS# 209 *If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211 RADIOACTIVE ☐ Yes ☒ No 212 CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214 LARGEST CONTAINER 55 Gal 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
220	220	0	0

UNITS* (Check one item only) ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221 DAYS ON SITE: 365 222
* If EHS, amount must be in pounds.

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER 223

STORAGE PRESSURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 55-57% 226	Petroleum Slack Wax 227	☐ Yes ☒ No 228	229
2 2-3% 230	Monocarboxylic Acid 231	☐ Yes ☒ No 232	233
3 1-2% 234	Triethanolamine 235	☐ Yes ☒ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-2-Bay West 3

FACILITY ID # FA0004349 1 MAP# 1 203 GRID# B1, F2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME Synthetic Resin 1116 205

TRADE SECRET ☐ Yes ☒ No 206 (If Subject to EPCRA, refer to instructions)

COMMON NAME Synthetic Resin 1116 207

EHS* ☐ Yes ☒ No 208

CAS# N/A 209

*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 270 Gallons 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
699	699	0	0

UNITS* (Check one item only) ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221 (* If EHS, amount must be in pounds.)

DAYS ON SITE: 365 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☒ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER 223

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	< 5% 226	Residual vinyl acetate monomer 227	☐ Yes ☒ No 228	n/a 229
2	230	Water 231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-BOY WEST 3

FACILITY ID # FA0004349 1 | MAP# 1 203 | GRID# F2, E2 204

II. CHEMICAL INFORMATION

CHEMICAL NAME: Lead/Acid Storage Battery 205
TRADE SECRET ☐ Yes ☐ No 206 (If Subject to EPCRA, refer to instructions)
COMMON NAME: Lead/Acid Storage Battery 207
EHS* ☒ Yes ☐ No 208
CAS# 209
"If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211
RADIOACTIVE ☐ Yes ☐ No 212 | CURIES 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214
LARGEST CONTAINER 2,743 lbs Battery 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
16,386 lbs - 6 Batteries	16,386 lbs - 6 Batteries	0	N/A

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.
DAYS ON SITE: 365 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☒ r. OTHER ☐ o. TOTE BIN ☐ p. TANK WAGON
Inside Forklift Battery 223

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	65 226	Lead/lead oxide/lead sulfate 227	☒ Yes ☐ No 228	7439-92-1 229
2	1.5 230	Antimony 231	☐ Yes ☐ No 232	7440-36-0 233
3	.1 234	Arsenic 235	☐ Yes ☐ No 236	7440-38-2 237
4	24 238	Sulfuric Acid 239	☒ Yes ☐ No 240	7664-93-9 241
5	.15 242	Calcium 243	☐ Yes ☐ No 244	7440-70-2 245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: La-Z-Boy West

FACILITY ID # 1: F A 0 0 0 4 3 4 9 | MAP# 203: 1 | GRID# 204: B1

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: Detergent concentrate Degreaser

TRADE SECRET 206: ☐ Yes ☒ No (If Subject to EPCRA, refer to instructions)

COMMON NAME 207: Advanced Ultra Degreaser

EHS* 208: ☐ Yes ☒ No

CAS# 209: 111-76-2, 1310-73-2, 6834-92-0

"If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) 211: ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE 212: ☐ Yes ☒ No | CURIES 213:

PHYSICAL STATE (Check one item only) 214: ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER 215: 55 Gal

FED HAZARD CATEGORIES (Check all that apply) 216: ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
110	110	0	0

UNITS* (Check one item only) 221: ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (* If EHS, amount must be in pounds.)

DAYS ON SITE: 222: 365

STORAGE CONTAINER 223:
☐ a. ABOVE GROUND TANK ☒ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE 224: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	226	2-Butoxyethanol 227	☐ Yes ☒ No 228	111-76-2 229
2	230	~~1310-73-2~~ Sodium Hydroxide (Lye) 231	☐ Yes ☒ No 232	1310-73-2 233
3	234	Sodium Metasilicate, Anhydrous 235	☐ Yes ☒ No 236	6834-92-0 237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) La-Z-Boy West (3)

FACILITY ID # F A 0 0 0 4 3 4 9 (1) MAP# 1 (203) GRID# (204)

II. CHEMICAL INFORMATION

CHEMICAL NAME: Hot Melt adhesive 34-728A (205)
TRADE SECRET ☐ Yes ☒ No (206) — If Subject to EPCRA, refer to instructions
COMMON NAME: Hot Melt adhesive (207)
EHS* ☐ Yes ☒ No (208)
CAS#: N/A (209)
*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE (211)
RADIOACTIVE ☐ Yes ☐ No (212) CURIES (213)
PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS (214)
LARGEST CONTAINER 29 lbs (215)
FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH (216)

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
1,400	1,400	0	0

UNITS* (Check one item only) ☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS (221) * If EHS, amount must be in pounds.
DAYS ON SITE: 365 (222)

STORAGE CONTAINER (223)
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO
☐ i. FIBER DRUM ☒ j. BAG ☐ k. BOX ☐ l. CYLINDER
☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON
☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT (224)
STORAGE TEMPERATURE ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC (225)

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	10-30% (226)	Distillates (227)	☐ Yes ☒ No (228)	64742-52-5 (229)
2	10-30% (230)	Petroleum (231)	☐ Yes ☒ No (232)	64742-52-5 (233)
3	10-30% (234)	hydrotreated heavy naphthenic (235)	☐ Yes ☒ No (236)	64742-52-5 (237)
4	(238)	(239)	☐ Yes ☐ No (240)	(241)
5	(242)	(243)	☐ Yes ☐ No (244)	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☒ MATERIAL ☐ WASTE — Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: La-2-Boy West

FACILITY ID # 1: F A 0 0 0 4 3 4 9 | MAP# 203: 1 | GRID# 204: C3

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: Mobilcut 102

TRADE SECRET 206: ☐ Yes ☒ No (If Subject to EPCRA, refer to instructions)

COMMON NAME 207: Diesel - Mobilcut 102

EHS* 208: ☐ Yes ☒ No

CAS# 209:

*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) 211: ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE 212: ☐ Yes ☐ No

CURIES 213:

PHYSICAL STATE (Check one item only) 214: ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER 215: 55Gal

FED HAZARD CATEGORIES (Check all that apply) 216: ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
220	226	0	0

UNITS* (Check one item only) 221: ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (* If EHS, amount must be in pounds.)

DAYS ON SITE: 222: 365

STORAGE CONTAINER 223:
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE 224: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	1-5% 226	Fatty Acids, Tall Oil w/ Triethanolamine compds 227	☐ Yes ☒ No 228	68132-46-7 229
2	1-5% 230	Fatty Acids, Tall-oil, compds with Ethanolamine 231	☐ Yes ☒ No 232	68132-47-8 233
3	1-5% 234	Potassium carboxylic soap acid 235	☐ Yes ☒ No 236	66072-08-6 237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☐ MATERIAL ☒ WASTE Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): La-Z-Boy West (3)

FACILITY ID #: F A 0 0 0 4 3 4 9 (1) MAP#: 1 (203) GRID#: C3 (204)

II. CHEMICAL INFORMATION

CHEMICAL NAME: aerosols waste (205) TRADE SECRET ☐ Yes ☒ No (206) — If Subject to EPCRA, refer to instructions

COMMON NAME: aerosols (empty) waste (207) EHS* ☐ Yes ☒ No (208)

CAS# (209) *If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only): ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE (211) RADIOACTIVE ☐ Yes ☐ No (212) CURIES (213)

PHYSICAL STATE (Check one item only): ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS (214) LARGEST CONTAINER: 55 GAL (215)

FED HAZARD CATEGORIES (Check all that apply): ☒ a. FIRE ☒ b. REACTIVE ☒ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH (216)

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
165	165	3 Drums	331

UNITS* (Check one item only): ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (221) * If EHS, amount must be in pounds. DAYS ON SITE: 365 (222)

STORAGE CONTAINER (223):
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☒ f. CAN aerosol ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE (224): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE (225): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	100 (226)	Waste (universal) aerosol cans (227)	☐ Yes ☒ No (228)	(229)
2	(230)	(231)	☐ Yes ☐ No (232)	(233)
3	(234)	(235)	☐ Yes ☐ No (236)	(237)
4	(238)	(239)	☐ Yes ☐ No (240)	(241)
5	(242)	(243)	☐ Yes ☐ No (244)	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

If EPCRA, Please Sign Here

UPCF (Rev. 12/2007)

(12)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☐ MATERIAL ☒ WASTE — Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: 29-2-Boy West

FACILITY ID # 1: F A 0 0 0 4 3 4 9 — MAP# 203: 1 — GRID# 204: C3

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: Waste empty containers — TRADE SECRET ☐ Yes ☐ No 206 (If Subject to EPCRA, refer to instructions)

COMMON NAME 207: Waste empty containers — EHS* ☐ Yes ☒ No 208

CAS# 209 — *If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE 211 — RADIOACTIVE ☐ Yes ☐ No 212 — CURIES 213

PHYSICAL STATE (Check one item only) ☒ a. SOLID ☐ b. LIQUID ☐ c. GAS 214 — LARGEST CONTAINER 215: 55 GAL

FED HAZARD CATEGORIES (Check all that apply) 216: ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
28 Drums	28 Drums	28 Drums	

UNITS* (Check one item only) 221: ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (* If EHS, amount must be in pounds.) — DAYS ON SITE: 222: 365

STORAGE CONTAINER 223:
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☒ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE 224: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225: ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	100 226	Waste empty containers (non-DOT regulated material) 227	☐ Yes ☒ No 228	229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

UPCF (Rev. 12/2007)

(13)

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HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

☐ MATERIAL ☒ WASTE — Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): La-Z-Boy West (3)

FACILITY ID #: F A 0 0 0 4 3 4 9 (1) | MAP#: 1 (203) | GRID#: C3 (204)

II. CHEMICAL INFORMATION

CHEMICAL NAME (205): Waste non-hazardous liquid RCRA

TRADE SECRET (206): ☐ Yes ☒ No — If Subject to EPCRA, refer to instructions

COMMON NAME (207): Waste non-hazardous liquid RCRA

EHS* (208): ☐ Yes ☒ No

CAS# (209):

*If EHS is "Yes", all amounts below must be in lbs.

HAZARDOUS MATERIAL TYPE (Check one item only) (211): ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE

RADIOACTIVE (212): ☐ Yes ☐ No

CURIES (213):

PHYSICAL STATE (Check one item only) (214): ☐ a. SOLID ☐ b. LIQUID ☐ c. GAS

LARGEST CONTAINER (215):

FED HAZARD CATEGORIES (Check all that apply) (216): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT (217)	MAXIMUM DAILY AMOUNT (218)	ANNUAL WASTE AMOUNT (219)	STATE WASTE CODE (220)
1 Drum	1 Drum	55 GAL	331

UNITS* (Check one item only) (221): ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS — * If EHS, amount must be in pounds.

DAYS ON SITE (222): 365

STORAGE CONTAINER (223):
☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE (224): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE (225): ☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	100 (226)	non-hazardous liquid RCRA (227)	☐ Yes ☒ No (228)	(229)
2	(230)	(231)	☐ Yes ☐ No (232)	(233)
3	(234)	(235)	☐ Yes ☐ No (236)	(237)
4	(238)	(239)	☐ Yes ☐ No (240)	(241)
5	(242)	(243)	☐ Yes ☐ No (244)	(245)

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or > 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION (246)

If EPCRA, Please Sign Here

UPCF (Rev. 12/2007)

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INVENTORY SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	Waste Hydraulic Oil	55	55	Gallon
2	Propane	287	287	Gallon
3	Cal Foam Bond 100	540	270	Gallon
4	Petroleum Hydrocarbon Wax Emulsion (2)	275	55	Gallon
5	1116 Synthetic Resin	710	270	Gallon
6	Lead / Lead Oxide / Lead Sulfate	12,768	2,743 forklift batteries	LBS
7	Sulfuric Acid	1,281.84	2,743 forklift batteries	LBS

PROD AREA:
(8) 5-GAL 1116 SYNTHETIC RES.
AMMONIA IS CONTAINED IN 55 GAL DRUMS
(1) 55-GAL WASTE MOTOR OIL
4 (1) 55-GAL DRUMS 270
2 (1) 55-GAL HAZARDOUS WASTE
NO HAZARDOUS WASTE
2 (2) 55-GAL DRUMS PROPANE
(1) 55-GAL DRUM DIESEL

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. (However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print)	DATE
	JOVITO M. DARU	2-28-11

(2) Paints
(3) Grease
(1) Pallet ~ 1400 LBS Poly Gen Glue
(3) 55-Gal Drums
(7) 5T-Gal HMF Spray Cans.
(4) Diesel / Transmission (2) Hydraulic Oil

Inventory Summary Page 1 of 4

BP of 1/25/2012 Replaces this one. FT.

San Bernardino County Fire Department • Hazardous Materials Division

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BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
JAN 25 2012
S.B. CO. FIRE DEPT.

FACILITY ID # F A 0 0 0 4 3 4 9

BUSINESS NAME (Same as FACILITY NAME or DBA)
La-Z-Boy West

BUSINESS SITE ADDRESS: 301 Tennessee St.

CITY: Redlands

ZIPCODE: 92373

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire Business Emergency/Contingency Plan whether new or revised)

Submission Checklist ☒

- ☒ Business Activities Form
- ☒ Business Owner/Operator Identification Form
- ☒ Supplemental Emergency Contact Page
- ☐ Emergency Response Plans and Procedures
- ☐ Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number
- ☐ One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☐ Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I
- ☐ Facility map (using grid form provided) consisting of all required features including the location of each inventoried item
- ☐ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☐ Area map - photocopied city map with location of site indicated
- ☐ Owner/Operator has signed and dated the plan and all required individual pages of the plan
- ☐ Submit the original and 1 copy to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction
- ☐ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☒ Please incorporate the following into my Business Emergency/Contingency Plan
  - ☐ New Business Owner/Operator Identification Form
  - ☒ New Inventory Forms and new Inventory Summary Form (and maps, if affected)
  - ☐ New Supplemental Emergency Contact Page
- ☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is **not** being made to meet annual inventory submission requirements of EPCRA. **(EPCRA requires complete annual submission)**

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR: Jovito M. Dabu

DATE: 1/16/2012

NAME OF DOCUMENT PREPARER: Marcia Murillo

NAME OF SIGNER (*print*): Jovito M. Dabu

TITLE OF SIGNER (*print*): EHS Manager

ENTERED
01-27-12

FD SENT
JAN 26 2012

San Bernardino County Fire Department • Hazardous Materials Division
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BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 (1)

EPA ID # (Hazardous Waste Only) CAD005544465 (2)

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) (3)
La-Z-Boy West

BUSINESS SITE ADDRESS (103)
301 Tennessee Street.

BUSINESS SITE CITY (104) Redlands | CA | ZIP CODE (105) 92373

II. ACTIVITIES DECLARATION

Does your facility...	If Yes, please complete these pages of the UPCF*....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☐ YES ☒ NO 4a	Coordinate with your local agency responsible for CalARP.
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY UST TANK
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
E. HAZARDOUS WASTE		
Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
Treat hazardous waste on-site?	☐ YES ☒ NO 11	ON-SITE HAZARDOUS WASTE TREATMENT – FACILITY ON-SITE HAZARDOUS WASTE TREATMENT – UNIT
Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE
Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
Need to report the closure/removal of a tank that was classified as containing hazardous waste and cleaned on-site?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of Federal RCRA hazardous waste; or generate in any single calendar month, or accumulate at any time 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acutely hazardous waste.	☒ YES ☐ NO 14a	Obtain Federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
Household Hazardous Waste (HHW) Collection site?	☐ YES ☒ NO 14b	See CUPA for required forms.
F. LOCAL REQUIREMENTS		

*Unified Program Consolidated Forms

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460 • www.sbcfire.org

ACCESS REQUEST to FACILITY RECORD IN CERS - SINGLE FACILITY*

For more information, see: http://www.sbcfire.org/hazmat/efile.aspx or call CERS help line (909) 386-8432

The purpose of the ACCESS REQUST is to ensure that only individuals designated by the facility owner/operator are authorized by the CUPA to access facility records and to create, edit, and submit electronic data on the owner's behalf to the statewide system, known as the California Environmental Reporting System (CERS). The initial business user authorized by the CUPA to have access to a facility on CERS is designated as a lead business user. Lead business users have the ability to add additional lead or standard business users, approve or reject other access requests, or delete other users for any facility for which they are listed as a lead user.

AUTHORIZED LEAD BUSINESS USER

Name	Title
Darrell Mealer	Safety Manager
Email Address	**Contact Phone**
dmealer@la-z-boy.com	909-251-2537

OWNER NAME	OWNER EMAIL ADDRESS
Steven Godwin	sgodwin@la-z-boy.com

OWNER MAILING ADDRESS	CITY	STATE	ZIP CODE	OWNER PHONE
301 Tennessee St.	Redlands	CA	92375-2080	909-793-3204 x2245

Fill out the following information for the facility

FACILITY ID *(e.g., FA0123456)*	FACILITY NAME *(e.g., CUPA AUTO)*	SITE ADDRESS *(e.g., 123 N. MAIN ST.)*	CITY *(e.g., ANYTOWN)*
FA4249	La-Z-Boy West	301 Tennessee St	Redlands

☑ I authorize the person and email address listed above to be a lead business user for the listed facility. This includes the ability to create, edit, and submit compliance data for the listed facility. I understand that as a lead business user this person may approve additional lead business users or standard business users, grant or reject facility access requests, and delete users from the facility listed on this authorization form.

Certification – I certify that I am the owner/operator or legal representative of the facility listed on this form. I understand that compliance documents prepared or submitted electronically are held to the same standard as their former paper equivalents.

SIGNATURE OF OWNER/OPERATOR OR LEGALLY DESIGNATED REPRESENTATIVE	DATE	NAME OF DOCUMENT PREPARER
Steven R Godwin	4/02/2014	DARRELL MEALER
NAME OF SIGNER (print)	**TITLE OF SIGNER**	
Steven Godwin	Human Resources Manager	

*Each facility record that is entered into CERS is assigned to a business/organization. Multiple facilities that have the same owner/operator and that will have the same users managing the facility record in CERS can be grouped together into a single "umbrella" business/organization. If you own or operate multiple facilities and if the same users will be managing all of the facilities in CERS, you may want them to be grouped into a single business/organization. For more information please contact the San Bernardino CERS help line at (909) 386-8432.

Return completed form by Mail: San Bernardino County Fire Department
Hazardous Materials Division
620 South E Street
San Bernardino, CA 92415-0153
or Fax: (909) 386-8460 or Email: Efile@sbcfire.org

OFFICE USE Notes:

Form Revised 11/14/12

Completed by: [illegible] Date: 04/02/14

OFFICE USE ONLY: DATE STAMP

Marcia Murillo
Safety Manager
Environmental Health
marcia.murillo@la-z-boy.com
P 909.793.3204
EXT 2245
F 909.793.3671
C 909.557.6004

La-Z-Boy Residential
P.O. Box 8880
Redlands, CA 92375-2080

CUPA

nty Fire Department • Hazardous Materials Division
CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

ICATE OF COMPLIANCE

ays of Receipt to Inspector GHEORGHE MAN

In the Matter of Respondent: **MS. MARCIA MURILLO**

Violation(s) cited on: **11.28.2011** *FA #:* **4349**

Facility Name: **LA – Z – BOY WEST**

Site Address: **310 TENNESSEE ST., REDLANDS**

Certificate of Compliance Date: **1.5.2012**

I certify under penalty of law that:

- *Respondent has corrected the violations specified in the above-entitled action.*
- *I have personally examined any documentation attached to this certification to establish that the violations have been corrected.*
- *Based on my examination of the attached documentation and inquiry of the individuals, who prepared or obtained them, I believe the information to be true, accurate and complete.*
- *I am authorized to file this certification on behalf of the Respondent.*
- *I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

RECEIVED
JAN 25 2012
S.B. CO. FIRE DEPT

x _____ x 1/23/2012
Signature *Date*

x Marcia Murillo x Environmental Health & Safety Manager
Printed or Typed Name *Title*

Attach the following documentation when returning the Certificate of Compliance:

1. **Original AND one copy of Business Emergency/Contingency Plan update.**

Form Revised 1/16/2007

DISTRIBUTION: White – CUPA File Yellow – Facility Pink – CUPA Inspector

3.7.2012

San Bernardino County Fire Department • Hazardous Materials Division

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INVENTORY SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 9 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA) — 3

LA-Z-BOY WEST

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	WASTE HYDRALIC OIL	55	55	GAL
2	PROPANE	287	287	GAL
3	CALFOAM BOND 100	540	270	GAL
4	CRYSTAL-CER TM 67 WAX EMULSION	275	55	GAL
5	I 116B SYNTHETIC RESIN	710	270	GAL
6	LEAD/LEAD OXIDE/LEAD SULFATE	10,944	FORKLIFT BATTERY 2,743	LBS
7	SULFURIC ACID	1,099	FORKLIFT BATTERY 2,743	LBS

RECEIVED
JUL 16 2009
S.B. CO. FIRE DEPT.

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
	JOVITO DABU	7/14/09

Inventory Summary Page 1 of 1

ENTERED
JUL 16 2008

THIS INVENTORY REQUIRED BY BP OF 3.2.2011

FD SENT
JUL 16 2009

San Bernardino County Fire Department • Hazardous Materials Division

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BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
JAN 26 2009
S.B. CO. FIRE DEPT.

FACILITY ID # F A 0 0 0 4 3 4 9

BUSINESS NAME (Same as FACILITY NAME or DBA)
LA-Z-BOY WEST

BUSINESS SITE ADDRESS: 301 TENNESSEE ST

CITY: REDLANDS

ZIPCODE: 92373

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire Business Emergency/Contingency Plan whether new or revised)

Submission Checklist ☒

*Items with an ' * ' are considered "Inventory" under State disclosure laws*

- ☐ * Business Activities Form
- ☐ * Business Owner/Operator Identification Form
- ☐ * Supplemental Emergency Contact Page
- ☐ Emergency Response Plans and Procedures
- ☐ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number
- ☐ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☐ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I
- ☐ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item
- ☐ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☐ Area map - photocopied city map with location of site indicated
- ☐ Owner/Operator has signed and dated the plan and all required individual pages of the plan
- ☐ Submit the original and 1 copy to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction
- ☐ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my Business Emergency/Contingency Plan
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected)
  - ☐ New Supplemental Emergency Contact Page
- ☐ Other: _____

Brief explanation of changes: _____

- ☒ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is not being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER
	1/23/09	THOMAS J. EDER
NAME OF SIGNER (*print*)	TITLE OF SIGNER (*print*)	
THOMAS J. EDER	FACILITIES MGR	

ENTERED
JAN 27 2009

San Bernardino County Fire Department • Hazardous Materials Division

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INVENTORY SUMMARY FORM

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 4 3 4 0 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
LA-Z-BOY WEST

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	LEAD/LEAD OXIDE/LEAD SULFATE	10,944	2,743 FORKLIFT BATTERY	LBS
2	SULFURIC ACID	1,099	2,743 FORKLIFT BATTERY	LBS

Summarize the Business Plan inventory on this page. Place this summary in front of the inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print)	DATE
[signature]	JOVITO DABU	3/5/09

ENVIRONMENTAL HEALTH SERVICES

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

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Apple Valley	Needles
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Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

October 25, 1994

La-Z-Boy West
P.O. Box 8880
Redlands, CA 92375-2080

SUBJECT: BUSINESS PLAN DEFICIENCIES

FACILITY: 301 Tennessee st., Redlands

In reviewing the Business Plan submitted to the Department of Environmental Health Services (DEHS) as required in Chapter 6.95 of the Health and Safety Code, it has been determined that the following are/is incomplete or deficient. Please submit the requested information with this letter to DEHS for final review within 30 days from the above date.

Site & Facility maps must be submitted on the forms provided.

show surrounding property uses (all 4 sides)

show the Location of each Hazardous Material inventoried using the item# from the Inventory for

Update the Inventory form storage Location (grid coord.) to coorespond with new facility map.

For further information concerning these essential elements, please refer to the "Business Emergency/Contingency Plan" prepared by DEHS.

Thank you for your cooperation and prompt attention to this matter.

Jacquelyn Medellin

JACQUELYN MEDELLIN, R.E.H.S.
Business Plan Coordinator

JM:sn

MAYS
Administrative Officer
ALBERT R. REID
Administrative Officer
Environmental Management Group

Board of Supervisors
First District
Second District
JERRY EAVES
LARRY WALKER
Fifth District

ok to file. acct. closed, permits sent FEB 10 1997 vam

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change

Inactivate Permit/Facility
(circle one)

Bill To: E A O (circle one) Location/District No: 61/0600 Est No: 86007754

Former Est. Name: (if applicable):

Name: LA-Z-BOY
Street No.: 301 Fraction: Direction:
Street Name: Tennessee St. Apt/Sp No.:
City: Redlands State: CA Zip Code: 92375-2080
Telephone No.: (909) 793-3204

Name: LA-Z-BOY
Street No.: P.O. Box 8880 Fraction: Direction:
Street Name: Apt/Sp No.:
City: Redlands State: Ca Zip Code: 92375-2080
Telephone No.: (909) 793-3204

Name: SAME AS A
Street No.: Fraction: Direction:
Street Name: Apt/Sp No.:
City: State: Zip Code:
Telephone No.: ( )

Program Information:

Number of Employees: 8 Number of UGST's: Ø
Federal Tax I.D. Number/Social Security Number:

Permit Information: (Circle those that apply)

Change/Inactivate/Add 228701 → 228708 Permit No.: 8601090020
Change/Inactivate/Add 226002 → 226001 Permit No.: 8701071228
Change/Inactivate/Add Permit No.:
Change/Inactivate/Add Permit No.:

Date Submitted: April 23, 1996 Date Entered: APR 25 1996
Submitted By: K Alvarez Entered By: vam

Comments/Remarks: BYPASS DELQ to 6-15-96 & Demand Bill for new fees $94 104 > $198 — SHIPPED APR 29 1

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Don Trapp
Interim Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal

October 15, 2019

19100301 Redlands RAL LOR

LOR GEOTECHNICAL GROUP, INC.
6121 QUAIL VALLEY COURT
RIVERSIDE, CA 92507

ATTENTION: **MATHEW L. HUNT**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
301 TENNESSEE STREET, REDLANDS, CALIFORNIA
APN#: 0292-192-11-0000

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search.

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at mmolina@sbcfire.org or call the number at the end of this letter to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

La-Z-Boy West 301 Tennessee St. Redlands	FA0004349 ~ Est. # 86007754 ~ CERS ID. 10041319 Conditionally Exempt Sm. Qty. Generator Permit Hazardous Materials 4-10 Chemicals Handler Permit (Last CERS Submission: 6/6/2019)

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

No record of inactive permit and/or non-permit facilities identified in this search.

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

No record of permits to remove/install/modify underground storage tanks identified in this search.

BOARD OF DIRECTORS

Robert A. Lovingood, First District | Janice Rutherford, Second District | Dawn Rowe, Third District | Curt Hagman, Chairman, Fourth District | Josie Gonzales, Vice Chair, Fifth District | Gary McBride, Chief Executive Officer

San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **LA-Z-BOY WEST** FACILITY ID: **FA0004349**

ADDRESS: **301 Tennessee St** CERS ID: **10041319**

CITY: **Redlands** STATE: **CA** ZIP CODE: **92373** INSPECTION DATE: **11/17/2017**

Inspector was given permission to: [X] photograph [X] inspect

Inspection Narrative (v020000)
An inspection was conducted on November 17, 2017 to determine compliance with hazardous materials and hazardous waste laws and regulations. Consent to inspect and photograph granted by Darrell Mealer, EHS Manager. The facility escort was Darrell Mealer.

The facility is a furniture assembly center. The facility stores hazardous materials as a result of adhesive used in furniture assembly. The facility does not generate hazardous waste.

INVENTORY:
Hazardous materials inventory is consistent with 4/25/17 CERS submittal.

DOCUMENTATION REVIEW:
- Hazardous materials handler permit was obtained and expire August 31, 2018.
- Business Plan is established and last updated April 25, 2017. CERS ID: 10041319.
- EPA ID Number obtained. CAD005544465 was active.
- Hazardous waste disposal records and manifests were not available for review.
- Employee training is provided annually.
- Universal waste managed lawfully.

No violations observed during inspection.

Contact Jerry Nguyen at 909-386-8401 or JNguyen@sbcfire.org with questions regarding this inspection report.

The following lines marked in the V column are violations that must be corrected. Marked items in the N column require additional information to determine compliance.

VIOLATION CODE	DESCRIPTION	SECTION	V	N
42	**HMRRP (HAZARDOUS MATERIALS HANDLER)**			
H201	Hazardous Material Handler Permit Current	23.0602(a)		
H202	Hazardous Materials Business Plan Established and Implemented	CAL. HEALTH & SAFETY CODE 25507		
H203	Hazardous Materials Business Plan Submittal	CAL. HEALTH & SAFETY CODE 25505, 25508(a)(1)		
H204	Immediately report any release or threatened release of a hazardous material	CAL. HEALTH & SAFETY CODE 25510(a)		
H205	Facility access for inspection granted	CAL. HEALTH & SAFETY CODE 25511		
H206	Business Plan Annual Review/Certification	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25508		
H209	Business plan update within 30 days of change	CAL. HEALTH & SAFETY CODE 25508.1(a)-(f)		
H210	Business Activities Page and/or Business Owner/Operator Identification Page	CAL. HEALTH & SAFETY CODE 25508(a)(1)		
H211	Hazardous materials inventory	CAL. HEALTH & SAFETY CODE 25505, 25506, 2550		
H212	Site map	CAL. HEALTH & SAFETY CODE 25505(a)(2), 25508(		
H213	Emergency response plan	CAL. HEALTH & SAFETY CODE 25505(a)(3), 25508(		
H214	Training Program not included and/or is not adequate	CAL. HEALTH & SAFETY CODE 25505(a)(4), 25508(		
H215	Training Documentation	CAL. HEALTH & SAFETY CODE 25505(a)(4)		
H216	Business plan readily available	CAL. HEALTH & SAFETY CODE 25505.		
H220	Property owner notification	CAL. HEALTH & SAFETY CODE 25505.1		
H221	Property owner business plan	CAL. HEALTH & SAFETY CODE 25505.1		
H222	Agricultural handler emergency response plan	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507		
H223	Agricultural handler training program	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507		
H224	Remote unstaffed facility	CAL. HEALTH & SAFETY CODE 25505,25506,25507		

VIOLATION CODE	DESCRIPTION	SECTION	V	N
44	**HAZARDOUS WASTE GENERATOR**			
0101	CUPA Hazardous Waste generator permit current	S.B. COUNTY CODE 23.0602(b)(1)		
0102	Facility access for inspection	CAL. HEALTH & SAFETY CODE 25185		
0103	Hazardous Waste determination	CAL. CODE OF REGULATIONS 66262.11		
0104	EPA ID Number	CAL. CODE OF REGULATIONS 66262.12(a)		

...Division
...Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

FA #: 4349 Facility Name: LA – Z – BOY WEST Inspection Date: 11.28.2011

Site Address: 310 TENNESSEE ST. Phone #: 909.793.3204

City: REDLANDS Zip Code: 92373 EPA ID #: CAD005544465

Consent Granted by:

☒ Inspect ☒ Photograph Name: MS. MARCIA MURILLO Title: SAFETY MANAGER # Emp: 380

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X	
102. Facility access for inspection granted - HW only	CHSC 25185		X	
103. Hazardous Waste determination made	CCR 66262.11			X
104. EPA ID Number obtained	CCR 66262.12(a)		X	
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X
106. Facility operated/maintained to prevent release/fire	CCR 66265.31		X	
107. Contingency Plan established	CCR 66265.51(a)		X	
108. Recyclable materials managed lawfully	CHSC 25143.2			X
905. Universal Waste managed lawfully	CCR 66273		X	
STORAGE AND LABELING REQUIREMENTS				
110. Tank/container labeled/marked "Hazardous Waste"	CCR 66262.34(f)(3)			X
111. Hazardous Waste label complete	CCR 66262.34(f)(3)			X
112. Accumulation start date on tank/container	CCR 66262.34(f)(2)			X
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34			X
114. Hazardous Waste containers sound	CCR 66265.171			X
115. Hazardous Waste containers not leaking	CCR 66265.173(b)			X
116. Hazardous Waste containers closed	CCR 66265.173(a)			X
117. Contaminated containers managed properly	CCR 66261.7	X		
118. Container storage area inspected weekly	CCR 66265.174			X
119. Hazardous Waste managed lawfully	CHSC 25154			X
120. Hazardous Waste aboveground tank system inspected	CCR 66262.34			X
HAZARDOUS WASTE RECORDS AND MANIFESTS				
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)			X
126. Hazardous Waste manifest complete	CCR 66262.23			X
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)			X
128. Manifests retained for at least 3 years	CCR 66262.40(a)			X
129. Biennial Report prepared	CCR 66262.41			X
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X
131. Training documentation complete & available	CCR 66265.16			X
132. Copy of completed SB 14 available	CCR 67100.3			X
135. Used oil managed properly	CHSC 25250.4			X
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7			X
137. Consolidated manifesting records available	CHSC 25160.2(b)(3)			X
138. Used oil filters managed lawfully	CCR 66266.130			X
139. Spent lead acid batteries managed lawfully	CCR 66266.81			X
DISPOSAL AND TRANSPORTATION				
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X
146. Illegal disposal of used oil	CHSC 25250.5(a)			X
147. Transporting Hazardous Waste w/o valid registration	CHSC 25163			X
148. Hazardous Waste hauled by transporter w/o valid registration	CHSC 25163			X
149. Hazardous Waste transported to an unauthorized facility	CHSC 25189.5(c)			X

GENERAL REQUIREMENTS FOR HANDLERS		V	C	N
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X	
202. Business Plan established	CHSC 25503.5		X	
203. Business Plan submitted/updated	CHSC 25505	X		
204. Hazardous Materials release reported	CHSC 25507			X
205. Facility access for inspection granted – HM	CHSC 25508		X	
206. Regulated Substances registration filed	CHSC 25533(a)			X
207. SPCC Plan prepared	CHSC 25270.5(c)			X

INSPECTION NARRATIVE

An inspection was conducted on 11.28.2011 to determine compliance with applicable hazardous materials and hazardous waste laws and regulations. Ms. Marcia Murillo – Safety Manager and Mr. David Stucker – Maintenance Manager, were the inspection escorts. Digital photos were taken.

This facility is a furniture assembly operation. The wood components are received pre-cut and assembled using either glue or staples. No wood cutting takes place at this facility. Large amounts of adhesives are stored/used on site. Hazardous waste is no longer generated. Universal waste (aerosol cans) is generated and properly managed. A propane tank is also stored on site.

Note:

Safety glasses are required prior to entering any production areas of the facility.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ (Sign Name) GHEORGHE MAN (Print Name)

Received By: CERTIFIED MAIL (Sign Name) N/A (Print Name) Title: N/A

Report Date: 1.5.2012

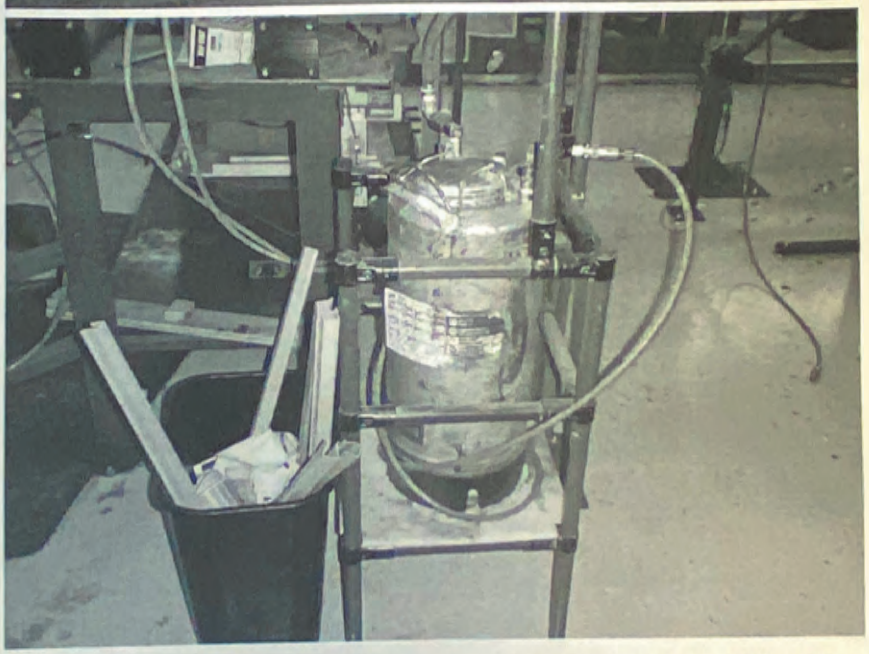
Form Revised 1/16/2007

Officials manipulated the assembly line so that this chair

PHOTO 1



PHOTO 2



Facility/Case Name: LA – Z – BOY West

Facility ID #: FA – 4349

Address: 301 Tennessee St., Redlands

1) Description: Front of facility.

2) Description: Sample of ~5-Gal adhesive pot used throughout the production area. (18) Pots are present at the facility.

Date Taken: 11.28.2011

Taken By: Gheorghe Man

Signature:

Revised 10/12/2000

PHOTO 3



PHOTO 4



Facility/Case Name: LA – Z – BOY West

Facility ID #: FA – 4349

Address: 301 Tennessee St., Redlands

1) Description: Sample 55-Gal drum of adhesive.

2) Description: Sample 270-Gal tote of adhesive.

Date Taken: 11.28.2011

Taken By: Gheorghe Man

Signature:

Revised 10/12/2000

PHOTO 5

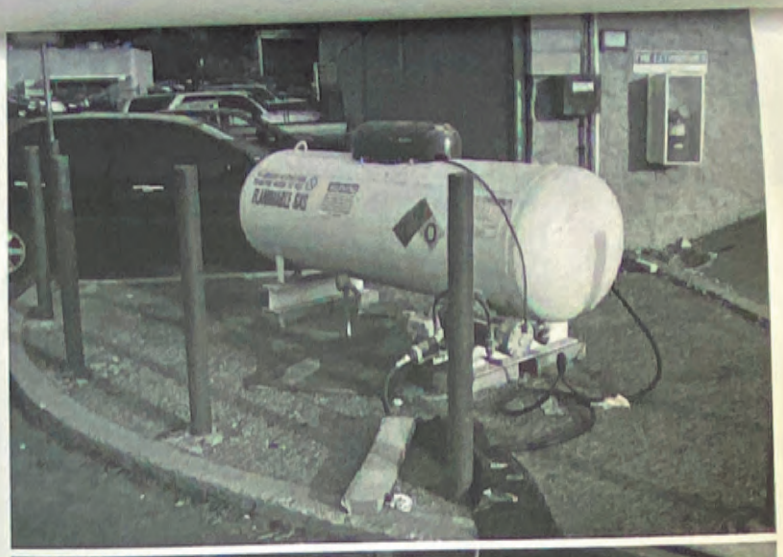


PHOTO 6



Facility/Case Name: LA – Z – BOY West

Facility ID #: FA – 4349

Address: 301 Tennessee St., Redlands

1) Description: (1) 287-Gal Propane tank is located outside near the north/west corner of the main production building (largest building on site).

2) Description: Sample 55-Gal drum of heavy duty degreaser.

Date Taken: 11.28.2011

Taken By: Gheorghe Man

Signature:

Revised 10/12/2000

PHOTO 9



PHOTO 10



Facility/Case Name: **LA – Z – BOY West** Facility ID #: **FA – 4349**

Address: **301 Tennessee St., Redlands**

1) Description: **(7) 55-Gal drums of universal waste (spray cans) were stored in a locked area located near the center/north of the property near the small building located on the north side of the property.**

2) Description: **(4) 55-Gal drums of diesel and (2) 55-Gal drums of hydraulic fluid were stored inside the small building located near the center/north of the property.**

Date Taken: **11.28.2011**

Taken By: **Gheorghe Man** Signature:

Revised 10/12/2000

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HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

FA #: 0004349 Facility Name: ~~Lazy~~ La-Z-Boy West Inspection Date: 4/21/08

Site Address: 301 Tennessee St. Phone #: (909) 793-3304

City: Redlands Zip Code: 92373 EPA ID #: Unknown

Consent Granted by: ☒ Inspect ☒ Photograph Name: James McHenry Title: Safety Manager # Emp: ____

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X	
102. Facility access for inspection granted - HW only	CHSC 25185		X	
103. Hazardous Waste determination made	CCR 66262.11			X
104. EPA ID Number obtained	CCR 66262.12(a)	X		
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X
106. Facility operated/maintained to prevent release/fire	CCR 66265.31		X	
107. Contingency Plan established	CCR 66265.51(a)		X	
108. Recyclable materials managed lawfully	CHSC 25143.2			X
905. Universal Waste managed lawfully	CCR 66273.1		X	
STORAGE AND LABELING REQUIREMENTS				
110. Tank/container labeled/marked "Hazardous Waste"	CCR 66262.34(f)(3)	/	X	
111. Hazardous Waste label complete	CCR 66262.34(f)(3)	X		
112. Accumulation start date on tank/container	CCR 66262.34(f)(2)	X		
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34		X	
114. Hazardous Waste containers sound	CCR 66265.171		X	
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X	
116. Hazardous Waste containers closed	CCR 66265.173(a)		X	
117. Contaminated containers managed properly	CCR 66261.7		X	
118. Container storage area inspected weekly	CCR 66265.174		X	
119. Hazardous Waste managed lawfully	CHSC 25154		X	
120. Hazardous Waste aboveground tank system inspected	CCR 66262.34			X
HAZARDOUS WASTE RECORDS AND MANIFESTS				
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)			X
126. Hazardous Waste manifest complete	CCR 66262.23			X
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)			X
128. Manifests retained for at least 3 years	CCR 66262.40(a)	X		X
129. Biennial Report prepared	CCR 66262.41			X
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X
131. Training documentation complete & available	CCR 66265.16		X	
132. Copy of completed SB 14 available	CCR 67100.3			X
135. Used oil managed properly	CHSC 25250.4		X	
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7		X	
137. Consolidated manifesting records available	CHSC 25160.2(b)(3)	X		
138. Used oil filters managed lawfully	CCR 66266.130			X
139. Spent lead acid batteries managed lawfully	CCR 66266.81		X	
DISPOSAL AND TRANSPORTATION				
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X
146. Illegal disposal of used oil	CHSC 25250.5(a)			X
147. Transporting Hazardous Waste w/o valid registration	CHSC 25163			X
148. Hazardous Waste hauled by transporter w/o valid registration	CHSC 25163			X
149. Hazardous Waste transported to an unauthorized facility	CHSC 25189.5(c)			X

GENERAL REQUIREMENTS FOR HANDLERS		V	C	N
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X	
202. Business Plan established	CHSC 25503.5		X	
203. Business Plan submitted/updated	CHSC 25505	X		
204. Hazardous Materials release reported	CHSC 25507			X
205. Facility access for inspection granted – HM	CHSC 25508		X	
206. Regulated Substances registration filed	CHSC 25533(a)			X
207. SPCC Plan prepared	CHSC 25270.5(c)			X
230. Business Plan implemented	CHSC 25503.5	X		

INSPECTION NARRATIVE

An inspection was conducted to determine compliance with hazardous materials & hazardous waste regulations. I was accompanied by Kathy Edwards from the Division of Environmental Health Services. We were escorted by James McHenry and Tom Ederer of Laz-Boy.

This is a furniture assembly facility for the western region of the country. They no longer manufacture as they did during the previous inspection. →

☒ **NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.**

Inspected By: Deane Kent (Sign Name) Deane Pianalto (Print Name)

Received By: Thomas J. Ed (Sign Name) Thomas J. Eder (Print Name) Title: FACILITIES MGR

Report Date: 4/21/08

15-19275-670 Rev. 7/07 DISTRIBUTION: White – CUPA File Yellow – Facility Pink – CUPA Inspector

ed 1/16/2007

big deal."

Officials manipulated the assembly line so that this chair

See CHAIR

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SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 4/21/08

FACILITY ID	FACILITY NAME	FACILITY LOCATION
FA0004349	La-Z-Boy West	301 Tennessee St, Redlands
Consent Granted by: ☒ Inspect ☒ Photograph	NAME: James McHenry	TITLE: Safety Manager

Report Continued:

Since the process has changed, the inventory has also changed. So some of the manufacturing processes ~~to~~ are now outsourced. The only hazardous waste generated is some waste oil from the sewing machines. No paint related hazardous wastes are generated.

Inventory:

- One cabinet with small amounts of leather touch up paint.
- 1 pallet of 4x55 gallon drums of wax in the wood prep room.
- 2x300 gallon totes of wood glue in the wood prep room.
- 1x300 gallon tote of foam glue in wood prep room.
- 1x300 gallon tote of foam glue in the prep room.
- 1x287 gallon propane tank on the outside of the north end of bldg.
- 1x55 gallon drum of waste oil.
- ~~Four~~ Two battery operated forklifts + ~~two~~ four batt. operated haulers.

Violations to be corrected within 30 days:

#104 - Failure to obtain EPA ID number.

I was unable to confirm the establishment of an EPA ID# due to a lack of waste oil receipts.

Compliance Requirement: Provide a copy of an active EPA ID# to this department.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: [signature] Sign Name — Dwane Pianalto Print Name

Received By: Thomas J Eder Sign Name — Thomas J Eder Print Name

Title: FACILITIES MGR

Report Date: 4/21/08

301 TENNESSEE ST

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SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 4/21/08

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA0004349	La-Z-Boy West	301 Tennessee St., Redlands
Consent Granted by: ☒ Inspect ☒ Photograph	NAME James McHenry	TITLE Safety manager

Violations Continued:

#111- Hazardous waste label incomplete.

#112- Accumulation start date missing.

The hazardous waste label on the waste oil drum was incomplete and missing required information.

Compliance Requirement: Provide a photo showing a completed hazardous waste label. Send the photo to this department

#137- Consolidated manifesting records not available

This facility is a small quantity generator and has not disposed of any hazardous waste in over 1 year. Therefore the last record must be accessed in the archived files.

Compliance Requirement: Provide a copy of the last receipt showing removal of waste oil to this department.

#203- Failure to update / submit a business plan.

#230- Failure to implement the business plan.

The business plan for this facility was last submitted in 1994. The plan is required to be updated annually and submitted annually by March 1st.

Compliance Requirement: Complete the business plan and submit the original and one copy to this department.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: [signature] Sign Name — Dwane Hanalto Print Name

Received By: Thomas J Ed[illegible] Sign Name — Thomas J. Eder Print Name

Title: FACILITIES MGR

Report Date: 4/21/08

PHOTO 1



PHOTO 2



Facility/Case Name: **La-Z-Boy West** Facility ID #: **FA0004349**

Address: **301 Tennessee Street, Redlands**

1) Description: **This is the front of the facility on the west side of Tennessee Street.**

2) Description: **This is a flammable materials cabinet used to store leather touch up paints.**

Date Taken: **April 21, 2008**

Taken By: **Dwane Pianalto** Signature: _____

Revised 02/27/03

PHOTO 1



PHOTO 2



Facility/Case Name: **La-Z-Boy West** Facility ID #: **FA0004349**

Address: **301 Tennessee Street, Redlands**

1) Description: **This is a 250 gallon tote of wood glue. This is a back up tote stored in the wood prep room.**

2) Description: **This is a tote of foam adhesive glue in the form room. This glue is used to glue foam pieces for furniture assembly.**

Date Taken: **April 21, 2008**

Taken By: **Dwane Pianalto**

Signature: Dwane Pianalto

Revised 02/27/03

301 TENNESSEE St

big deal."

Officials manipulated the assembly

PHOTO 1



PHOTO 2



Facility/Case Name: **La-Z-Boy West** Facility ID #: **FA0004349**

Address: **301 Tennessee Street, Redlands**

1) Description: **This is a 287 gallon propane tank on the northwest corner of the building.**

2) Description: **This is a 55 gallon drum of waste oil generated from the sewing machines used for furniture assembly.**

Date Taken: **April 21, 2008**

Taken By: **Dwane Pianalto**

Signature: _____

Revised 02/27/03

big deal."

Officials manipulated the

LA-Z-BOY
TRACY JOHNSON
Safety
LA-Z-BOY WEST
PO BOX 9960
201 TENNESSEE STREET
REDLANDS, CA 92375-2000

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIAL HANDLER
INSPECTION REPORT

Date: 4-23-96
Establishment No.: [illegible]
EPA No.: NA
Number of Employees: 9

[illegible]nessee St. (P.O. Box 9960)
Zip Code: 92375
[illegible]/TRACY Business Phone No.: 793-3204

...e of Regulations (CCR), Chapters 6.5 and 6.95 of the Health and Safety Code (HSC). The following Code sections are either in Violation ...ardous Waste or Hazardous Materials laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

		V	C	N
...MENTS	CHSC 25154		✓	
...ph	CHSC 25185		✓	
...(T5)	CCR 66262.11		✓	
4. No Haz Waste EPA Number (T6)	CCR66262.12(a)		✓	
5. Haz Waste treated w/o DTSC Permit (T1)	CCR 66270.1			✓
LABELING AND STORAGE				
6. Haz Waste stored more than 90 days (T1)	CCR 66262.34(a)		✓	
7. Start Date not on labels (T25)	CCR 66262.34(f) (2)		✓	
8. Haz Waste containers mislabeled (T28)	CCR 66262.34(f) (3)		✓	
9. No labels on Haz Waste containers (T27)	CCR 66262.34(f) (3)		✓	
MANAGEMENT OF CONTAINERS				
10. Haz Waste containers not sound (T65)	CCR 66265.171		✓	
11. Haz Waste in incompatible container (T66)	CCR 66265.172		✓	
12. Haz Waste containers not closed (T67)	CCR 66265.173(a)		✓	
13. Haz Waste containers leaking (T68)	CCR 66265.173(b)		✓	
14. Storage Area not inspected weekly (T69)	CCR 66265.174		✓	
15. Incompatible Haz Waste storage (T73)	CCR 66265.177(c)		✓	
16. Mismanagement of Hazardous Waste	CHSC 25154		✓	
17. Mismanagement of Waste Batteries (T92)	CCR 66266.81		✓	
MANAGEMENT OF WASTE OIL				
18. Unlawful management of Waste Oil	CHSC 25250.4		✓	
19. Waste Oil contaminated w/ Haz Waste (T2)	CHSC 25250.7		✓	
20. Receipt for Waste Oil incomplete	CHSC 25250.8(b) (4)		✓	
21. Waste Oil Filters improperly managed	CCR 66266.130		✓	
HAZARDOUS WASTE MANIFESTS				
22. Haz Waste transported w/o Manifest (T9)	CCR 66262.20(a)		✓	
23. Haz Waste Manifest incomplete (T13)	CCR 66262.23(a)		✓	
24. No Manifest sent to DTSC (T16)	CCR 66262.23(a) (4)		✓	
RECORDS				
25. No Receipts for Waste Oil	CHSC 25250.8(b)		✓	
26. Failure to retain Manifest 3 yrs (T29)	CCR 66262.40(a)		✓	
27. Biennial Report not kept 3 yrs (T30)	CCR 66262.40(b)		✓	
28. Failure to retain Analysis 3 yrs (T31)	CCR 66262.40(c)		✓	
29. No Biennial Report filed w/ DTSC (T32)	CCR 66262.41(a)		✓	
30. Training Records unavailable (T78)	CCR 66265.16		✓	
DISPOSAL AND TRANSPORTATION				
31. Illegal disposal/abandonment of Haz Waste	CHSC 25189.5(a)		✓	
32. Illegal disposal Waste Oil to Ground	CHSC 25250.5(a)		✓	
33. Illegal transportation of Haz Waste	CHSC 25163		✓	
34. Haz Waste transporter Unregistered	CCR 66263.17		✓	
BUSINESS PLANS AND CONTINGENCY DOCUMENTS				
40. Failure to obtain Haz Mat Handlers Permit	CHSC 25513		✓	
41. Failure to establish a Business Plan (T79)	CHSC 25503.5		✓	
42. Failure to submit/update a Bus. Plan (T61)	CHSC 25505		✓	
43. Failure to report a release of Haz Mats	CHSC 25507			✓
44. Authority to inspect facility for Haz Mats	CHSC 25508		✓	
45. Acutely Haz Mats Registration not filed	CHSC 25533(a)			✓

CORRECTIONS/NARRATIVES

Facility requested inspection to determine the necessity of permits for hazardous materials handler & hazardous waste generator. Facility has current permits, due to expire 4/30/96.

Facility is an upholstered furniture manufacturing operation onsite at time of inspection is the following -
10-55 gallon containers water based stains - adhesives
45-5 gallon containers water based stains
3-55 gallon containers gear oil / lubricants
4-5 gallon containers grease

All vehicles are serviced off-site. All solvents have been removed from site - All materials have been changed wherever possible to water based. Waste streams have been reduced to waste oil only. Welches services most uniforms

☐ Inspection _____ ☐ NOV Issued _____ ☐ Tiered Permit _____
☐ Reinspection _____ ☐ C.D. Date _____ Total Time _____
☐ Complaint _____ ☐ Tox.Tic. No. _____ Rev. _____ Ent. _____

A:\HWTABLE.PM4
Mar 1993

Inspector Kathleen M Alvarez

Received by Cert mail

15-19274-631

...here, it is a pretty big deal."

Officials manipulated the assembly [illegible] that this chair

...ality control is superior at [illegible]

SUPPLEMENTAL INSPECTION REPORT

FACILITY NAME: LA Z BOY | FACILITY LOCATION: 301 Tennessee, Redlands

Waste oil accumulated onsite can be stored in a properly labeled & secured 55 gallon drum. An example of a proper label is included with this report.

Waste oil must be hauled within 90 days of reaching the accumulated amount of 55 gallons or at least once per year. A list of haulers licensed to haul waste oil is included with this report. Maintain receipts for all waste disposals for at least 3 years.

Review Business Plan to ensure that the plan reflects all the appropriate materials and wastes handled onsite. Submit any changes or updates.
Permits have been changed to reflect the appropriate catagories. (228701 → 228708 + 226002 → 226001)

Please Contact this office at (909) 387-3080 if there are any questions or if material & waste handling practices change.

Cert. mail

Received By

16-17189-631 Rev. 6/91

employees here, it is a pretty big deal."

Officials manipulated the

INSPECTION REPORT

Facility Name: LA-Z-Boy, West — Date: 9-14-94
Street Address: 301 Tennessee St — Establishment No: B6007754
City: Redlands Ca — Zip Code: 92373 — EPA No: CAD008154465
Business Contact: William Chafee — Business Phone No.: 793-5204 — Number of Employees: 15

Refer to Title 19/22 of the California Code of Regulations (CCR), Chapters 6.5 and 6.95 of the Health and Safety Code (HSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Hazardous Waste or Hazardous Materials laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. No Haz Waste Generator Permit	CHSC 25154		✓	
2. Authority to inspect/sample/photograph	CHSC 25185		✓	
3. Haz Waste Determination not made (T5)	CCR 66262.11		✓	
4. No Haz Waste EPA Number (T6)	CCR66262.12(a)		✓	
5. Haz Waste treated w/o DTSC Permit (T1)	CCR 66270.1		✓	
LABELING AND STORAGE				
6. Haz Waste stored more than 90 days (T1)	CCR 66262.34(a)		✓	
7. Start Date not on labels (T25)	CCR 66262.34(f) (2)		✓	
8. Haz Waste containers mislabeled (T28)	CCR 66262.34(f) (3)		✓	
9. No labels on Haz Waste containers (T27)	CCR 66262.34(f) (3)		✓	
MANAGEMENT OF CONTAINERS				
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11. Haz Waste in incompatible container (T66)	CCR 66265.172		✓	
12. Haz Waste containers not closed (T67)	CCR 66265.173(a)		✓	
13. Haz Waste containers leaking (T68)	CCR 66265.173(b)		✓	
14. Storage Area not inspected weekly (T69)	CCR 66265.174		✓	
15. Incompatible Haz Waste storage (T73)	CCR 66265.177(c)		✓	
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23. Haz Waste Manifest incomplete (T13)	CCR 66262.23(a)		✓	
24. No Manifest sent to DTSC (T16)	CCR 66262.23(a) (4)		✓	
RECORDS				
25. No Receipts for Waste Oil	CHSC 25250.8(b)		✓	
26. Failure to retain Manifest 3 yrs (T29)	CCR 66262.40(a)		✓	
27. Biennial Report not kept 3 yrs (T30)	CCR 66262.40(b)		✓	
28. Failure to retain Analysis 3 yrs (T31)	CCR 66262.40(c)		✓	
29. No Biennial Report filed w/ DTSC (T32)	CCR 66262.41(a)		✓	
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DISPOSAL AND TRANSPORTATION				
31. Illegal disposal/abandonment of Haz Waste	CHSC 25189.5(a)		✓	
32. Illegal disposal Waste Oil to Ground	CHSC 25250.5(a)		✓	
33. Illegal transportation of Haz Waste	CHSC 25163		✓	
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BUSINESS PLANS AND CONTINGENCY DOCUMENTS				
40. Failure to obtain Haz Mat Handlers Permit	CHSC 25513		✓	
41. Failure to establish a Business Plan (T79)	CHSC 25503.5		✓	
42. Failure to submit/update a Bus. Plan (T61)	CHSC 25505	✓	✓	
43. Failure to report a release of Haz Mats	CHSC 25507		✓	
44. Authority to inspect facility for Haz Mats	CHSC 25508		✓	
45. Acutely Haz Mats Registration not filed	CHSC 25533(a)		✓	

CORRECTIONS/NARRATIVES

La-Z-Boy West manufactures reclines chairs ~~and couches~~. The plant assembles the furniture from material fabricated from other plants.

The manufacture process begins with the assembly of brackets and levers. The sepetate brackets are sent in for assembly & are not fabricated onsite.

Decorative wood is stained topcoated and ~~the~~ dried in an automated process. All stains and topcoats are water based. All solvent base stains & lacquers have been changed to waterbased. Brackets and metal parts are cleaned (degreased) and painted and baked in one electroplating machine. Paint utilized in this area is water-based and usually lasts 5 to 6 weeks.

In paint area is 16-5gal. Containers of stain & 10-55's of topcoat material.

☐ Inspection ☐ NOV Issued ☐ Tiered Permit
☐ Reinspection ☐ C.D. Date Total Time
☐ Complaint ☐ Tox.Tic. No. Rev. Ent.

Inspector Kathleen M Alvarez — Received by Certmail

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May 19

15-19274-631

HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

INSPECTOR: Alvarez

FACILITY NAME:	FACILITY LOCATION:
LA-Z-Boy, West	301 Tennessee St., Redlands

In the poly-foam fabrication department large pieces of poly-foam is cut and formed to the appropriate shape. Water-based glue is utilized in this process. Solvent-based glue was replaced to decrease & eliminate this waste-stream. Foam remnants are resold to poly-foam manufacture to be made into carpet underlay material

All materials being now utilized in the process is water based - all machines are cleaned with water. The change to these materials has eliminated the waste streams of 111 TCE, solvents.

In the machining/maintance room where light equipment maintance is conducted is stored small quantities of lubricating oil, grease and 1 welding unit (acc./ox).

In the hazardous material storage building is stored:

4-55gal + 11 5-gal containers of oil/lubricant
small quantities of paint (for building maintance)
3-55gal - top coat wood finish
3-55 gal - LPS Precision clean prep
4-55 gal - H_2O based metal paint (used in electroplate p
3-55gal + 24 5-gal containers water based stains
7-5's turbine engine oil
3-55's water-based glue.

15-17189-631 Rev. 6/91

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APPENDIX I

Pertinent Historical Records

PHASE I ENVIRONMENTAL SITE ASSESSMENT

360 Kansas Street
Redlands, California

Prepared For:

ESRI
380 New York Street
Redlands, California 92373

Prepared By:

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, California 92653

June 10, 2020

Project No. 2085.08.01S

PHASE I ENVIRONMENTAL SITE ASSESSMENT
360 Kansas Street
Redlands, California

June 10, 2020

Prepared For:

ESRI
380 New York Street
Redlands, California 92373

Prepared By:

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, California 92653

Derrick S. Willis
Principal

Nicky G. Robinson, PE, QSD/P
Senior Engineer

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1.0 SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) performed by Northgate Environmental Management, Inc. (Northgate) for ESRI (the Client) at the property located at 360 Kansas Street in Redlands, California (the Site). The Site consists of approximately 2.81 acres of land developed with a residential structure, a storage building, and vacant land occupied by commercial trailers and shipping containers. The Site is identified as Assessor's Parcel Number (APN) 0292-192-14 in San Bernardino County. A Site Vicinity Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

Our review indicates that the Site historically consisted of orchard land from at least the late 1890s through the early 1950s. By at least 1953, the Site was redeveloped into a chicken ranch with a small residence on the western corner and chicken coops on the eastern portion of the Site. The Site reportedly remained operational as a chicken ranch until the 1990s when the chicken coop structures were removed and the Site remained occupied by a single-family residence. Tractor trailers and shipping containers are currently stored on the Site to the east of the private residence. Northgate was unable to access these containers for inspection as the containers are rented to various, private tenants who utilize the containers for storage. The Site owner did not have access to the locked container units and as a result, the contents could not be inspected during the course of this assessment. The owner was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers. The Site is not listed on any environmental regulatory databases related to the use, storage, or release of hazardous materials reviewed during this investigation. However, a 300-gallon underground storage tank (UST) containing gasoline was removed on June 26, 1995. No installation date was provided but a soil sample was collected to confirm closure and regulatory closure was provided on July 3, 1995.

In summary, Northgate has performed a Phase I ESA of the property located at 360 Kansas Street in Redlands, California in conformance with the scope and limitations of ASTM Practice E 1527-13 and the standards and practices of the All Appropriate Inquiry – Final Rule (40 Code of Federal Regulations Part 312). Any exceptions to, or deletions from, these practices are described in Section 2.3 of this report. Our review did not identify the presence of Recognized Environmental Conditions (RECs) in connection with the property. However, our review did identify the following Historic Recognized Environmental Condition in connection with the property:

- A 300-gallon gasoline UST was removed from the Site on June 26, 1995. A soil sample was collected to confirm closure and no further action was required by the San Bernardino County Fire Protection District (SBCFPD) prior to providing regulatory closure in a letter dated July 3, 1995.

Additionally, the following business environmental risks were identified during the course of this assessment:

- The Site was historically occupied by orchards from at least the late 1890s through the early 1930s. Historic orchard operations have the potential to have included the use of pesticides that may have impacted shallow soil at the Site and surrounding area.
- A former groundwater well and pump are located on a concrete pad is located to the east of the single family residence. This groundwater well is not reportedly used currently but does not appear to have been abandoned. Any redevelopment at the Site may likely require the proper abandonment of this groundwater well in accordance with applicable current standards.
- Several decommissioned vehicles were observed to be located throughout the Site including one in poor condition located on soil ground cover with the engine exposed to the elements. No evidence of leaks, stains, or spills was observed, but this represents a potential business environmental risk for the Site. Additionally, oily residue was observed on the floor of a storage structure, but was not observed on the surrounding soil ground cover.
- Properties adjacent to the east, south, and west have been identified as historic manufacturing of furniture, plastics, and a machine shop, respectively. No information was obtained that indicated a release from any of these manufacturing or machine shop facilities; however, they are land uses generally associated with the potential for releases of hazardous materials to the subsurface.

2.0 INTRODUCTION

This report presents the results of a Phase I ESA performed by Northgate at the property located at 360 Kansas Street in Redlands, California. The Site consists of approximately 2.81 acres of land developed with a residential structure, a storage building, and vacant land occupied by commercial trailers and shipping containers. The Site consists of one parcel identified as APN 0292-192-14 in San Bernardino County. A Site Vicinity Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

2.1 Purpose

The purpose of Phase I ESA has been to identify and evaluate the presence of RECs at the Site. The term "RECs" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include *de minimus* conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Scope of Services

Northgate has performed the ESA in general conformance with the scope and limitations of ASTM E-1527-13, *Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and 40 CFR Part 312, *Standards and Practices for All Appropriate Inquiry – Final Rule*. This investigation was performed by Nicky Robinson, Senior Engineer with assistance and review by and Derrick Willis, Northgate Principal. The scope of work for the investigation included the following services:

- Review of readily available information regarding the history of the Site, including historic aerial photographs, maps, previous reports, and other information, and discussions with individuals familiar with the Site;
- Review of environmental lien documents obtained for the Site;
- A reconnaissance of the Site and near vicinity;
- Discussions with regulatory officials and review of regulatory agency publications and files, as applicable;

- Evaluation of RECs, development of conclusions and scope of work to evaluate potential on-Site contamination concerns; and
- Preparation of this report.

2.3 Limitations and Exceptions

2.3.1 Limitations

The purpose of an environmental assessment is to reasonably evaluate the potential for, or actual impact of, past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. No investigation is thorough enough to absolutely rule out the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials on the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

Environmental conditions may exist at the Site that cannot be identified by visual observation. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at un-sampled locations.

Except where there is express concern of our client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminants inside buildings, or contaminant concentrations that are not of current environmental concern may not be reflected in this document.

Where the scope of services is limited to interview and/or review of readily available reports and literature, any conclusions and/or recommendations are necessarily based largely on information supplied by others, the accuracy or sufficiency of which may not be independently reviewed by Northgate.

Any opinions and/or recommendations presented apply to Site conditions existing at the time of performance of services. We are unable to report on, or accurately predict, generally unforeseeable events that may impact the Site following performance of services, whether occurring naturally or caused by external forces. Therefore, we cannot assume responsibility for such events or their impact. We also cannot assume responsibility for changes in environmental standards, practices, or regulations.

2.3.2 Exceptions

The time intervals between some historical information sources may exceed five years due to the unavailability of such records. However, in our opinion, this data gap does not significantly impact our ability to evaluate historic land use conditions at the Site given the availability of other sources for this information.

There were no limiting conditions, with the exception of locked tractor trailers and shipping containers on the eastern half of the Site to the east of the single-family residence. According to the property owner, the containers are rented to various tenants who utilize the containers for storage and the owner did not have access to the locked container units. The owner was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers. However, the lack of access and ability to observe each container's contents represents a limiting condition at the Site.

2.4 User Reliance

This report has been prepared for the exclusive use of the Client and their corporations, subsidiaries, affiliates, partnerships, and lenders in evaluating environmental conditions at the Site. Others may not use or rely on the information contained in this report without the express written consent of Northgate.

3.0 SITE DESCRIPTION

3.1 Site Location and Legal Description

The Site consists of 2.81 acres of land located at 360 Kansas Street in Redlands, California. The Site consists of one parcel identified as APN 0292-192-14 in San Bernardino County. A Site Vicinity Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

3.2 Site Vicinity General Characteristics

The Site is developed with a residential structure, a storage building, and vacant land occupied by commercial trailers and shipping containers. The Site is located in an area occupied primarily by commercial and industrial development with residential development located farther to the east, south, and south-east of the Site.

3.3 Geology and Groundwater

3.3.1 Geology

The Site is located within the Peninsular Ranges Geomorphic Province of Southern California near the base of the San Bernardino Mountains between the San Jacinto Fault Zone and the San Andreas Fault Zone. The Site vicinity is generally underlain by middle Holocene axial-valley alluvium deposits consisting of slightly to moderately consolidated silt, sand, and gravel (Matti, 2003 and RAI, 2019). Subsurface investigations performed by others in the Site vicinity indicate that the area is generally underlain by shallow fill materials consisting of silty sands, sandy silts, and sands with some debris. The fill material is underlain by alluvial materials that consist primarily of interbedded sand, silty sands, and sandy silts to approximate depths of 30 feet bgs (LOR, 2009). The surface topography at the Site and in the vicinity generally slopes gently to the west-northwest towards the Santa Ana River (LOR, 2011).

3.3.2 Groundwater

The Site is located within Upper Santa Anna Valley Groundwater Basin within the eastern portion of the Bunker Hill Subbasin within the Upper Santa Ana Valley Groundwater Basin, approximately two and a half miles south of the Santa Ana River, which is typically dry. The Bunker Hill Basin is bound by the San Bernardino Mountains to the northeast, the Crafton Mountains and the Badlands to the south, by a low east-facing escarpment produced by the San Jacinto Fault to the southwest, and by the San Gabriel Mountains to the northwest (CH2M HILL, 2010 and RAI, 2019). It is bordered by the Banning fault to the south, the Redlands fault to the east, the San Andreas Fault to the north, and the Glen Helen and San Jacinto Faults roughly to

the west. The subbasin has been divided into lower and upper aquifers. The lower and upper aquifers have a maximum thickness of 650 feet and 350 feet, respectively. The lower aquifer is confined over a 25 square mile area in the valley where a poorly permeable clay layer exists between the aquifers. Groundwater movement is restricted by the boundary faults (CGB 118, 2004).

Groundwater information reported for nearby sites indicates that groundwater has historically been encountered at depths of approximately 100 to 130 feet below the ground surface (bgs) in the Site vicinity. Groundwater flow direction is reported to be primarily directed towards the west and northwest, consistent with the topography and directed towards the Santa Ana River (LOR, 2011). The Mission Zanja, a former man-made irrigation channel, is the nearest surface water body located immediately to the north of the Site. The Santa Ana River is located approximately two and a half miles north of the Site.

The Bunker Hill Subbasin is known to contain several contaminated groundwater plumes. The Redlands plume, located between Judson Street and Waterman Avenue, primarily contains trichloroethene (TCE) and perchlorate, with low levels of tetrachloroethylene (PCE) and dibromochloropropane. The perchlorate portion of this plume extends into the vicinity of the subject Site. Additional plumes in the area include the Norton Air Force Base, Newark, and Muscoy plumes consisting of TCE and PCE and the Santa Fe Plume consisting of petroleum hydrocarbons (LOR, 2011). None have been shown to have directly impacted the subject Site.

3.4 Current Use of the Property

The Site is developed with 2.81 areas consisting of a single-family residence, a dirt lot occupied by tractor trailers, shipping containers and vehicle storage, a garage used by a mason contractor for storage of their equipment and materials, and another small storage shed leftover from a former chicken farm, now filled with small household debris and trash.

3.5 Description of Structures, Roads, Sewage, and Potable Water Sources

The Site is currently developed with an approximate 2,000 square-foot building occupied by a single-home residence, storage sheds and garages, and a dirt lot used as additional storage. Water and sewer connections are provided by the City of Redlands.

3.6 Current Uses of Adjoining Properties

The Site is located in an area of industrial and commercial development located approximately 0.66 miles to the south of the Interstate 10 freeway. The Site is bordered to the north by The Mission Zanja historic irrigation canal, which is now tributary to the Santa Ana River, and

Orange Blossom Trail followed by industrial and commercial development including an automobile towing company. The Site is bordered to the east by commercial development including a former furniture manufacturing store followed by Tennessee Street then commercial development. To the south, the Site is bordered by commercial development including a boat and locker storage facility. The Site is bordered to the west by Kansas Street followed by a machine shop then the Mission Zanja historic irrigation canal, the Orange Blossom Trail, and industrial development.

4.0 USER PROVIDED INFORMATION

4.1 Environmental Liens or Activity and Use Limitations

An environmental lien and activity and use limitation (AUL) search was conducted for the Site by Environmental Data Resources (EDR). EDR's review indicates that there are no environmental liens or activity and use limitations of record on the Site. A copy of the Environmental Lien and AUL Search is included in Appendix A (EDR, 2020a).

4.2 Valuation Reduction for Environmental Issues

The Client has not provided Northgate with any information indicating that the value of the property has been reduced due to environmental issues.

4.3 Owner, Property Manager, and Occupant Information

The Environmental Lien and AUL Search shown in Appendix A indicate that the title to the Site is vested in Rettig Machine Shop; however, the Site has never been reported to operate as a machine shop and has been occupied by a private residence, a chicken ranch, and presently vacant land occupied by commercial trailers and shipping containers. The Site is occupied by a family. The remaining portions of the property is used as storage for a mason contractor (who doesn't live or work on the property), and for parked tractor trailers, shipping containers and vehicle storage.

4.4 Specialized Knowledge

The Client has not indicated that they possess any additional specialized knowledge regarding the Site. Northgate also submitted an interview questionnaire regarding Site land use history to Mr. Franz Rettig, a representative for the owner/occupant of the Site.

Mr. Rettig indicated that he has been associated with the Site as the owner for 25 years. He was not aware of any environmental cleanup liens or any activity or land use limitations against the Site. Mr. Rettig noted that the Site was previously occupied by a chicken ranch. He also noted that he was not aware of any specific chemicals that were present or used at the Site or any chemical spills or environmental cleanups that have taken place at the Site. Mr. Rettig indicated that he is not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site, including any notices from any governmental entity regarding any possible environmental violations. He indicated that he was not aware of any further permits or registrations for the Site. A copy of the Phase I ESA Questionnaire is included in Appendix B.

4.5 Reason for Performing the Phase I ESA

Northgate understands that the Client is looking to potentially purchase the Site and is requesting a Phase I ESA as part of their due diligence evaluation.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

To determine if the Site has any documented environmental concerns, or if other sites with documented environmental concerns exist within the search radii of the Site prescribed by ASTM 1527-13 and *All Appropriate Inquiry*, Northgate reviewed a summary of regulatory agency database listings prepared by EDR. In addition, where appropriate, we reviewed local regulatory agency files for additional specific information regarding sites identified in the EDR report judged to be of possible concern to the subject Site. The EDR report presenting a summary of the agency databases reviewed and a map showing the location of the identified sites is provided as Appendix C (EDR, 2018b). The results of the database search and follow-up agency file review are summarized below.

5.1.1 Site

The Site is listed in the HAZNET and HWTS databases for recycling 0.40 tons of empty containers of 30 gallons or more in 1995. Based on information obtained from the regulatory file review at the San Bernardino County Fire Protection District, this appears to be related to the removal and off-Site transport of a 300-gallon gasoline UST on June 26, 1995. No other records related to the use, storage, or release of hazardous materials were found for the Site.

5.1.2 Off-Site Sources

The regulatory agency database search prepared by EDR indicates the presence of 77 agency-listed sites located within an approximate one-mile radius of the Site. The EDR database report containing a list of the agency databases searched is attached in Appendix C. Sites with documented releases impacting groundwater located within 0.25 mile upgradient and/or cross-gradient of the Site, or otherwise judged to be of potential impact to soil, soil vapor, or groundwater quality at the Site, are summarized in the following table.

Property Name	Agency Database	Location Relative to Site	Potential Environmental Concern
Redlands Corporate Yard / Southern CA Fleet Services Inc. / Redlands City – 1270 W Park Avenue / Bldg F, Redlands	LUST, UST, RCRA NONGEN/NLR, CERS HAZ WASTE, CERS TANKS, EMI, SAN BERN. CO. PERMIT, SWEEPS UST, CA FID UST, HIST CORTESE and CERS.	Approximately 0.15-miles to the northeast (cross-gradient) of the Site	This facility was identified for a release of diesel from a UST that impacted soil in 1999. The facility received regulatory closure from San Bernardino County on June 14, 2000. No cleanup action was record, and no further information was available regarding this facility or the release. Given that the release at this facility is limited to soil, regulatory closure status, and the relative location, this facility does not appear to represent a significant potential threat to soil, soil vapor, and/or groundwater at the subject Site.
Plant 1 – 410 Missouri Court, Redlands	US MINES	Approximately 0.15-miles to the northeast (cross-gradient) of the Site	This facility is identified on the US Mines database as surface mine facility for crushed and broken stone. It received several citations and violations from 2012 through 2017 related to surface mines but no further information was provided related to the violations. No additional information was available. Given the relative location and lack of documented information related hazardous materials or a release, this facility does not appear to represent a significant potential threat to soil, soil vapor, and/or groundwater at the subject Site.

5.2 Vapor Encroachment Screening

A vapor encroachment screening (VES) evaluation was performed for the Site using EDR's vapor encroachment condition application (VEC App), which assists in screening for vapor encroachment risk in accordance with ASTM E2600 "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." A "Tier I" VES was performed to evaluate the potential for vapors associated with contaminated soil and/or groundwater to impact the Site, whether originating from the Site or from nearby off-Site sources. For properties where a VEC could not be ruled out, existing subsurface investigation reports, if available, were used to evaluate potential impacts to the Site (Tier 2 screening).

The following table presents a summary of the VES findings:

Potential for Vapor Intrusion on Site	
Areas of Concern	*Conclusion*
Site (existing conditions)	VEC not present
Site (former condition)	VEC not present.
Adjoining Property or near-by Property Operations or Existing Conditions	VEC not present
Historical Uses of Adjoining Property or Near-by Properties	VEC not present.

Based on this screening, a VEC is not present for the subject Site. Facilities of potential concern to the subject Site are discussed in Section 5.1.2 above.

5.3 Additional Environmental Record Sources

Northgate contacted local regulatory agencies for information regarding the use or storage of hazardous materials at the Site, and reviewed files at any agency maintaining a file for the subject Site. The following agencies were contacted for information regarding the use or storage of hazardous materials at the Site:

- Department of Toxic Substances Control (DTSC) EnviroStor Website;
- State Water Resources Control Board (SWRCB) GeoTracker Website;
- California Environmental Protection Agency (CalEPA) Website;
- San Bernardino Regional Water Quality Control Board (SBRWQCB);
- San Bernardino County Fire Protection District (SBCFPD);
- San Bernardino County Public Health (SBCPH), Environmental Health Services;
- San Bernardino County Agricultural Commissioner (SBCAC);
- City of Redlands Planning Department (CRPD);
- South Coast Air Quality Management District (SCAQMD); and

- Oil and Gas Wells.

The results of our review are described in the following sections. Copies of pertinent Site documents obtained from this review are provided in Appendix D.

5.3.1 Department of Toxic Substances Control (DTSC) EnviroStor Website

The Site is not listed on the DTSC EnviroStor website, and thus, there are no files related to the property.

5.3.2 State Water Resources Control Board (SWRCB) GeoTracker Website

The Site is not listed on the GeoTracker website, and thus, there are no files related to the property.

5.3.3 California Environmental Protection Agency (CalEPA) Website

The Site is not listed on the CalEPA portal website, and thus, there are no files related to the property.

5.3.4 San Bernardino Regional Water Quality Control Board (SBRWQCB)

Northgate submitted a file review request to the San Bernardino County Regional Water Quality Control Board (SBRWQCB). The SBRWQCB indicated that they do not have any files or documents on record for the subject Site.

5.3.5 San Bernardino County Fire Protection District (SBCFPD)

Northgate submitted a file review request to the San Bernardino County Fire Protection District (SBCFPD). Available records indicated that a 300-gallon gasoline UST was removed from the Site on June 26, 1995 under a permit issued to AG's Alex Kimm. No installation date was provided for this UST. The UST was located approximately 52 feet west of Kansas Street and 170 feet north of the southern property long in the driveway between the residential structure and the garage, which is now used as storage by a masonry contractor. It was reported to have been in good condition upon removal. One soil sample was reported to have been collected at a depth of seven feet bgs. Analytical results for the soil sample indicated that total petroleum hydrocarbons and gasoline and gasoline related volatile organic compounds benzene, toluene, ethylbenzene, and xylenes were not reported above their respective laboratory detection limits in the soil sample. Lead was measured at a concentration of 9.2 milligrams per kilogram.

The SBCFPD indicated that no further action was required prior to providing regulatory closure in a letter dated July 3, 1995. The SBCFPD did not find any other records, including any other incidents, site remediation, or active permits to handle hazardous materials for the Site.

5.3.6 San Bernardino County Public Health (SBCPH), Environmental Health Services

Northgate submitted a file review request to the San Bernardino County Public Health (SBCPH), Environmental Health Services, who indicated they do not have any files or documents related to the Site.

5.3.7 San Bernardino County Agricultural Commissioner (SBCAC)

Northgate submitted a file review request to the San Bernardino County Agricultural Commissioner (SBCAC). The SBCAC maintains records of pesticide use, but indicated that they did not have any files on record associated with the subject Site.

5.3.8 City of Redlands Planning Department (CRPD)

Northgate submitted a file review request to the City of Redlands Planning Department (CRPD). Plumping records from different contractors were found for the Site to replace the on-site sewer lateral, to replace the roof HVAC, and to repair fire-damaged areas. No other building permits were found related to the property.

5.3.9 South Coast Air Quality Management District (SCAQMD)

The Site is not listed on the South Coast Air Quality Management District (SCAQMD) website, and thus, there are no files related to the property.

5.3.10 Oil and Gas Wells

According to the EDR GeoCheck® - Physical Setting Source Addendum located in the EDR Radius Report (Appendix C), there are no oil and gas wells located within 1-mile of the Site. Information available on the California Division of Oil, Gas, and Geothermal Resources website indicates that there are no wells located on or within a 0.25-mile radius of the Site. Oil and gas wells do not appear to represent an environmental concern to the Site.

5.4 Other Environmental Issues

5.4.1 Floodplain Maps

Northgate viewed an online version of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for San Bernardino County, Flood Map number 06071C8712H. According to the FIRM, the Site is located in Flood Zone AO – special flood hazard areas subject to inundation by the 1% annual chance flood with flood depths of one to three feet (usually sheet flow on sloping terrain). The Site is located within an area listed for flood depths of two feet (FEMA, 2008).

5.4.2 Radon

The California Department of Health Services' (DHS') online list of indoor radon levels indicates that radon concentrations from 29 indoor air samples collected in zip code area 92373 were all less than 4.0 pico-curies per liter (pCi/L) (DHS, 2016). According to the EDR Radius Report (Appendix C), the federal Environmental Protection Agency (EPA) radon zone for San Bernardino is Zone 2 (indoor average level greater than or equal to 2 pCi/L and less than or equal to 4 pCi/L).

The State of California Division of Drinking Water and Environmental Management maintains a database of radon test results indicating that out of 18 samples collected in San Bernardino County in California, in the living area-first floor, 100% were below 4 pCi/L. The DHS and the EPA recommend that some form of mitigation be conducted for houses with indoor radon concentrations of 4 pCi/L or greater.

These results indicate that radon gas does not appear to constitute a significant environmental concern at the Site.

5.5 Land Use History

Information on historical land use at the Sites and adjacent area was evaluated by reviewing historic aerial photographs, maps, and other documents. A summary of our investigation findings is presented below.

5.5.1 Aerial Photographs

Northgate reviewed historic aerial photographs of the Sites from 1930, 1938, 1949, 1953, 1959, 1966, 1968, 1975, 1985, 1989, 1994, 2006, 2009, 2012and 2016 obtained from EDR (EDR, 2020c). Copies of the aerial photographs are provided in Appendix E. A summary of our aerial photograph review is presented below.

Year: 1930	**Scale:** 1" = 500'	**Source:** FAIR
Site Description: The Site is fully occupied by orchards.		
North:	A river followed by orchards, roads, and limited residential development.	
East:	Orchards, continuation of the river, roads, and limited residential development.	
South:	Orchards, roads, a small river and wash area, and limited residential development.	
West:	A road, orchards and the continuation of the river, and limited residential development.	

Year: 1938	**Scale:** 1" = 500'	**Source:** USDA
Site Description: Appears similar to the 1930 photograph.		
North:	Appears similar to the 1930 photograph, except ta railroad is mapped farther north of the Site and residential development has expanded slightly.	
East:	Appears similar to the 1930 photograph.	
South:	Appears similar to the 1930 photograph, except residential development has expanded slightly.	
West:	Appears similar to the 1930 photograph.	

Year: 1949	**Scale:** 1" = 500'	**Source:** USDA
Site Description: The Site appears similar to the 1938 photograph.		
North:	Appears similar to the 1938 photograph, except commercial development has expanded slightly in the vicinity of the railroad.	
East:	Appears similar to the 1938 photograph.	
South:	Appears similar to the 1938 photograph.	
West:	Appears similar to the 1938 photograph.	

Year: 1953	**Scale:** 1" = 500'	**Source:** USDA
Site Description: A residential structure is located in the western portion of the Site in addition to a long, rectangular structure in the southwestern portion of the Site. The remainder of the Site is occupied by orchards.		
North:	Appears similar to the 1949 photograph.	
East:	Appears similar to the 1949 photograph, except some orchards have been replaced by vacant, graded land.	
South:	Appears similar to the 1949 photograph, except residential and commercial development have expanded slightly	
West:	Appears similar to the 1949 photograph.	

Year: 1959	**Scale:** 1" = 500'	**Source:** USDA
Site Description: The Site appears similar to the 1953 photograph except that the orchards have been replaced by vacant, graded land for redevelopment.		
North:	Appears similar to the 1953 photograph, except commercial development has expanded slightly	
East:	Appears similar to the 1953 photograph, except residential and commercial development have expanded slightly	
South:	Appears similar to the 1953 photograph, except commercial development has expanded slightly	
West:	Appears similar to the 1953 photograph.	

Year: 1966	**Scale:** 1" = 500'	**Source:** USGS
Site Description: The Site appears similar to the 1959 photograph except that two long, rectangular structures are shown on the eastern portion of the Site.		
North:	Appears similar to the 1959 photograph, except that Interstate 10 is now present to the north of the Site and several orchards have been replaced with vacant, graded land and residential development.	
East:	A road the commercial development and vacant land followed by a road and additional commercial and residential development.	
South:	Appears similar to the 1959 photograph, except a residential development is shown farther to the southeast of the Site.	
West:	Appears similar to the 1959 photograph.	

Year: 1968	**Scale:** 1" = 500'	**Source:** USDA
Site Description: The Site appears similar to the 1966 photograph.		
North:	Appears similar to the 1966 photograph.	
East:	Appears similar to the 1966 photograph.	
South:	Appears similar to the 1966 photograph, except that several orchards have been replaced by vacant, graded land and limited residential and commercial development.	
West:	Appears similar to the 1966 photograph.	

Year: 1975	**Scale:** 1" = 500'	**Source:** USGS
Site Description: The Site appears similar to the 1968 photograph, except a small structure is now present near the residential structure in the northwestern portion of the Site.		
North:	Appears similar to the 1968 photograph.	
East:	Appears similar to the 1968 photograph.	
South:	Appears similar to the 1968 photograph except that a commercial development is shown adjacent to the south of the Site.	
West:	Appears similar to the 1968 photograph.	

Year: 1985	**Scale:** 1" = 500'	**Source:** USDA
Site Description: The Site appears similar to the 1975 photograph.		
North:	A river followed by vacant, graded land and roads then commercial development and a railroad followed by the Interstate 10 freeway.	
East:	Appears similar to the 1975 photograph, except residential and commercial development have expanded slightly.	
South:	Appears similar to the 1975 photograph, except residential development has expanded slightly to the southeast of the Site.	
West:	Most of the A road then vacant, graded land and the continuation of the river with limited commercial development.	

Year: 1989	**Scale:** 1" = 500'	**Source:** USDA
Site Description: The Site appears similar to the 1985 photograph.		
North:	Appears similar to the 1985 photograph, except commercial development has expanded slightly.	
East:	Appears similar to the 1985 photograph, except commercial development has expanded slightly.	
South:	Appears similar to the 1985 photograph, except residential development has expanded slightly farther south of the Site.	
West:	A road followed by commercial development and the continuation of the river.	

Year: 1994	**Scale:** 1" = 500'	**Source:** USGS/DOQQ
Site Description: The residential structure remains on the western portion of the Site but the three long, rectangular structures are no longer present. Three smaller potential garage or storage structures are mapped across the Site with one located in the northeastern portion of the Site and two in the southeastern portion of the Site.		
North:	Appears similar to the 1989 photograph.	
East:	Appears similar to the 1989 photograph.	
South:	Appears similar to the 1989 photograph, except that commercial development has expanded slightly and parks/recreation areas are now mapped in the area.	
West:	Appears similar to the 1989 photograph.	

Year: 2006	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Site Description: The Site appears similar to the 1994 photograph except that the eastern portion of the Site is shown as vacant land used for the storage of storage containers and trailers.		
North:	Appears similar to the 1994 photograph, except that commercial development has expanded slightly.	
East:	Appears similar to the 1994 photograph, except that commercial development has expanded slightly.	
South:	Appears similar to the 1994 photograph, except that commercial and residential development have expanded slightly.	
West:	Appears similar to the 1994 photograph, except that commercial development has expanded slightly.	

Year: 2009	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Site Description: The Site appears similar to the 2006 photograph, except that the storage unit and trailer storage area has expanded to include the central and eastern three-quarters of the Site.		
North:	Appears similar to the 2006 photograph, except that commercial development has expanded slightly.	
East:	Appears similar to the 2006 photograph.	
South:	Appears similar to the 2006 photograph.	
West:	Appears similar to the 2006 photograph.	

Year: 2012	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Site Description: The Site appears similar to the 2009 photograph.		
North:	Appears similar to the 2009 photograph.	
East:	Appears similar to the 2009 photograph.	
South:	Appears similar to the 2009 photograph.	
West:	Appears similar to the 2009 photograph.	

Year: 2016	**Scale:** 1" = 500'	**Source:** USDA/NAIP
Site Description: The Site appears similar to the 2012 photograph.		
North:	Appears similar to the 2012 photograph.	
East:	Appears similar to the 2012 photograph.	
South:	Appears similar to the 2012 photograph.	
West:	Appears similar to the 2012 photograph.	

5.5.2 Sanborn Maps

No Sanborn Map coverage was available for the subject Site or surrounding properties. A copy of the Sanborn Maps letter stating this is provided in Appendix F (EDR, 2020d).

5.5.3 Topographic Maps

Northgate reviewed historic topographic maps for the Site obtained from EDR for the years 1899, 1901, 1954, 1967, 1973, 1980, 1988, 1996, and 2012. Copies of the topographic maps are provided in Appendix G (EDR, 2020e). Information from the topographic maps is summarized below.

Quadrangle: Redlands	**Scale:** 1:62,500	**Series:** 15 Minute
1899:	The Site is shown as vacant land that is part of a riverbed located north of the San Bernardino Motor Line railroad track and south of the Highlands Division railroad track. The Site is located within an area occupied by a grid of streets with limited development with dense urban development located farther to the east of the Site. A river is mapped to the south of the Site. The topography at the Site generally slopes gently to the west with topography in the Site vicinity generally sloping to the west and northwest.	
1901:	The Site and vicinity appear similar to the 1899 map.	

Quadrangle: Redlands	**Scale:** 1:24,000	**Series:** 7.5 Minute
1954:	The Site is entirely occupied by orchards. The Site vicinity is mapped with a grid of streets and land primarily occupied by orchards. A stream is mapped adjacent to the northern property boundary with railroads located to the north and south of the Site. Downtown Redlands is mapped to the east of the Site. Oil tanks are mapped farther to southwest and northwest of the Site.	
1967:	The Site is mapped as vacant land with a residential structure on the western corner. The Site vicinity appears similar to the 1954 map except that the Interstate 10 Freeway is mapped approximately half a mile north of the Site running east to west. Commercial development is mapped to the north and east of the Site, concentrated near the Interstate 10 Freeway, railroads and main highways.	
1973:	The Site and vicinity appear similar to the 1967 map.	
1980:	The Site is mapped with the residential structure in the western portion of the Site in addition to a small structure in the north-central portion of the Site, two long, rectangular structures in the northeastern portion of the Site, and an additional long, rectangular structure in the southwestern portion of the Site. The Site vicinity appears similar to the 1973 map, except that commercial and industrial development has expanded primarily to the north, east, and southeast of the Site with the remainder of the area occupied by orchards.	
1988:	The Site and vicinity appear similar to the 1980 map, except that commercial and industrial development has expanded in the Site vicinity primarily northwest alongside the Interstate 10 Freeway.	
1996:	The Site and vicinity appear similar to the 1988 map, except that downtown Redlands has expanded slightly to the east of the Site.	
2012:	The Site and vicinity are mapped in a grid of roads and highways and urban development. Greenbelts have replaced the orchards on the north, east and southwest vicinity.	

5.5.4 City Directories

Northgate reviewed a summary of local city directory listings for the Site and nearby vicinity available at approximate five year intervals from 1965 to 2017 obtained from EDR. A copy of the EDR city directory search is provided in Appendix H (EDR, 2020f).

The Site is identified at the historic address of 10843 Kansas Street as a private residence occupied by Alex and Elizabeth Kim between 1972 and 1981. It continued to be identified as a private residence occupied by Alex and Elizabeth Kim at the current address of 360 Kansas Street between 1985 and 1995. The Site was identified as a private residence with an unknown occupant between 2000 and 2014 and was not listed on the 2017 directory.

Listings in the Site vicinity were primarily private residences and commercial businesses including city offices, retail stores, rental business, transportation and shipping companies, storage unit companies, and building material sales and services. Royalite Plastics was identified at 300 Kansas Street, located adjacent to the south of the Site, between 1992 and 2000 followed by Spartech at this address in 2005 and a storage facility in 2014. Based on information available online, this facility appears to have operated as a plastic manufacturing facility.

Rettig Machine Shop, located across Kansas Street to the west of the Site, was identified at 301 Kansas Street between 1995 and 2017. Information available online indicates that this machine shop has been operational since 1946 and has included medium to heavy manufacturing and fabrication work for the aerospace, construction mining, railroads, and steel and aluminum processing industries.

Additionally, information obtained during the Site reconnaissance indicated that a furniture manufacturing facility, La Z Boy, previously operated adjacent to the east of the Site at 301 Tennessee Street between 1966 and 2019. No information was obtained that indicated a release from any of these manufacturing or machine shop facilities; however, they are land uses generally associated with the potential for releases of hazardous materials to the subsurface. Listings in the Site vicinity determined to be of potential environmental concern to the subject Site are described in detail in Section 5.1.2.

5.6 Interviews

The Site owner, Mr. Franz Rettig, was interviewed during a Site reconnaissance performed on April 14, 2020 with information obtained from him incorporated into Section 6.0 below. Additionally, Mr. Rettig provided information related to the history of the Site in response to a questionnaire as summarized in Section 4.4 above. No additional interviews were performed during the course of this assessment.

5.7 Previous Reports

No previous reports for the Site were provided to Northgate or were obtained during the course of this assessment through regulatory file reviews.

6.0 SITE RECONNAISSANCE

Current Site conditions were observed during a reconnaissance of the Site and near vicinity by Mr. Joshua Kajiyama of Northgate on April 14, 2020. Mr. Kajiyama was escorted by Mr. Franz Rettig, the property owner. Site photographs from the reconnaissance are attached at the end of this report. A Site Plan is shown on Figure 2.

6.1 Methodology and Limiting Conditions

The Site reconnaissance was performed by traversing the Site on foot and the general Site vicinity by car. There were no limiting conditions, with the exception of locked tractor trailers and shipping containers on the Site to the east of the single-family residence. According to Mr. Rettig, the containers are rented to various tenants who utilize the containers for storage. Mr. Rettig stated he did not have access to the locked container units and only those who rented the storage space had access to the containers. Mr. Rettig was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers. However, the lack of access and ability to observe each container's contents represents a limiting condition at the Site.

6.2 General Site and Vicinity Conditions

6.2.1 Site

The Site is located in an area predominantly occupied by industrial and commercial development in Redlands, California. It is located north of West State Street and east of Kansas Street. The Site is occupied by a single-family residence that is located in the southwestern portion of the Site. A garage and storage shed are located along the northern boundary in the western half of the Site. The remainder of the western half of the Site is occupied by a dirt lot that is used for the storage of tractor trailers, shipping containers, and vehicles. The eastern half of the Site, which is separated from the western half by a north-south trending chain-link fence, is an open dirt lot. This dirt lot on the eastern portion of the Site was formerly used by La-Z-Boy Furniture for storage of their tractor trailers. Vegetation in the form of weeds and small trees is present along the Site boundaries.

A single-family residence is located in the southwestern portion of the Site. The single-family residence is a single-story structure of timber construction that contains two bedrooms, one bathroom, a kitchen, a living room, and a dining room. The front of the residence includes a driveway, a garage, and a landscaped yard. A pole-mounted transformer owned by Southern California Edison is located in the southwestern corner of the Site within the front yard area.

The transformer appears to be fairly new and in good condition. No evidence of ground staining or leaks was observed. At the time of the reconnaissance, the residence was occupied by Mr. Rubin Tucker and was filled with household furniture and personal belongings. A backyard is located to the east of the structure. No hazardous materials or chemicals were observed to be generated, stored, or used in this portion of the Site.

A former groundwater well and pump are located on a concrete pad is located to the east of the single family residence. Mr. Rettig indicated that the groundwater well was utilized by the chicken ranch that previously operated at the Site and has not been operated since. The well does not appear to have been abandoned. Any redevelopment at the Site may likely require the proper abandonment of this groundwater well in accordance with applicable current standards.

A garage and associated storage area that is reportedly utilized by a masonry contractor for storage of their materials and equipment, is located to the east of the residential structure. Materials stored by the masonry contractor included cement, mixing materials, bricks, stucco, and other similar products. Additional debris and household items were observed in the garage. A decommissioned vehicle was observed to be located within the garage adjacent to the masonry contractor's storage. Another decommissioned vehicle was present adjacent to the west of the garage in poor condition located on soil ground cover with the engine exposed to the elements. No evidence of leaks, stains, or spills was observed from any of the decommissioned vehicles.

A storage shed is located to the east of the garage area that is used for the storage of masonry related equipment. Equipment for concrete finishing, compressors, and a pump were observed in the shed. An approximately 2-gallon container filled about half full with gasoline was observed to be stored on the floor of the storage shed. Oil staining was observed on the floor of the shed likely from minor leaks from equipment. No soil staining was observed outside the shed. A smaller storage shed is located to the east of the garage and storage shed and was observed to be utilized for the storage of household debris and trash.

The north-central portion of the Site is used for the storage of vehicles and equipment. A boat, a construction truck with a crane, a front loader, two shipping containers, and various steel excavator buckets were observed to be stored in this area. The vehicles appeared to be in fair to good condition and operational. Northgate was not provided access to the storage containers during the Site reconnaissance. Mr. Rettig was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers.

Various shipping containers and tractor trailers are stored along the southern fenceline of the Site. These shipping containers and tractor trailers were reported to be rented to various private tenants for storage. As a result, Northgate was not able to access these privately occupied

storage containers. Mr. Rettig was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers.

The eastern half of the Site is separated from the western half by a north-south trending chain-link fence. The eastern half of the Site is an open dirt lot that is accessed via the former "La-Z-Boy Furniture" manufacturing facility located adjacent to the Site at 301 Tennessee Street. The lot is vacant and contains vegetation and household trash.

6.2.2 Site Vicinity

The Site is located in an area of industrial and commercial development located approximately 0.66 miles to the south of the Interstate 10 freeway. The Site is bordered to the north by The Mission Zanja historic irrigation canal, which is now tributary to the Santa Ana River, and Orange Blossom Trail followed by industrial and commercial development including an automobile towing company. The Site is bordered to the east by commercial development including a former furniture manufacturing store followed by Tennessee Street then commercial development. To the south, the Site is bordered by commercial development including a boat and locker storage facility. The Site is bordered to the west by Kansas Street followed by a machine shop then the Mission Zanja historic irrigation canal, the Orange Blossom Trail, and industrial development.

7.0 PHASE I ESA CONCLUSIONS AND RECOMMENDATIONS

This report presents the results of a Phase I ESA performed at the property located 360 Kansas Street in Redlands, California. The purpose of the investigation is to identify the potential presence of RECs at the Site. During the Site reconnaissance, Northgate was unable to access the tractor trailers and shipping containers stored on the Site as the containers are rented to various, private tenants who utilize the containers for storage. The Site owner did not have access to the locked container units and as a result, the contents could not be inspected during the course of this assessment. The owner was not aware of any hazardous materials or chemicals being stored in the tractor trailers or shipping containers. However, the lack of access and ability to observe each container's contents represents a limiting condition at the Site.

A REC refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following RECs were identified during the course of this assessment:

- Northgate did not identify any RECs during the course of this assessment.

A Controlled Recognized Environmental Condition (CREC) refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Northgate did not identify any CRECs during the course of this assessment.

A Historical Recognized Environmental Condition (HREC) refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following HRECs were identified during the course of this assessment:

- A 300-gallon gasoline UST was removed from the Site on June 26, 1995. A soil sample was collected to confirm closure and no further action was required by the SBCFPD prior to providing regulatory closure in a letter dated July 3, 1995.

A business environmental risk is defined by ASTM E 1527-13 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those

environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

- The Site was historically occupied by orchards from at least the late 1890s through the early 1930s. Historic orchard operations have the potential to have included the use of pesticides that may have impacted shallow soil at the Site and surrounding area.
- A former groundwater well and pump are located on a concrete pad is located to the east of the single family residence. This groundwater well is not reportedly used currently but does not appear to have been abandoned. Any redevelopment at the Site may likely require the proper abandonment of this groundwater well in accordance with applicable current standards.
- Several decommissioned vehicles were observed to be located throughout the Site including one in poor condition located on soil ground cover with the engine exposed to the elements. No evidence of leaks, stains, or spills was observed, but this represents a potential business environmental risk for the Site. Additionally, oily residue was observed on the floor of a storage structure, but was not observed on the surrounding soil ground cover.
- Properties adjacent to the east, south, and west have been identified as historic manufacturing of furniture, plastics, and a machine shop, respectively. No information was obtained that indicated a release from any of these manufacturing or machine shop facilities; however, they are land uses generally associated with the potential for releases of hazardous materials to the subsurface.

8.0 REFERENCES

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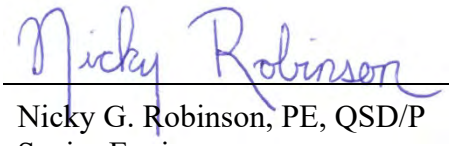
9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Nicky G. Robinson, PE, QSD/P
Senior Engineer

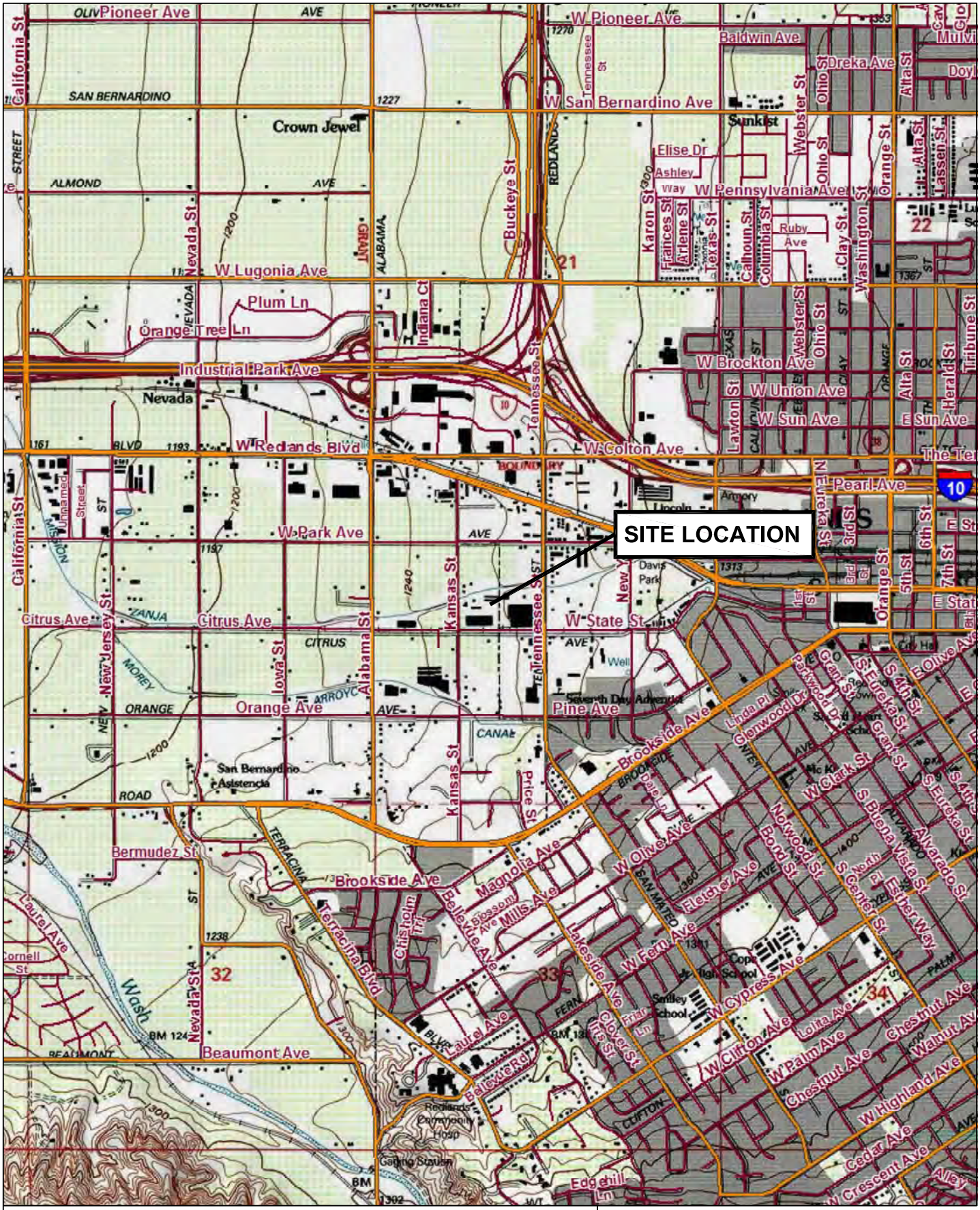


Derrick S. Willis
Principal

Qualifications of the Environmental Professionals are provided in Appendix I.

FIGURES

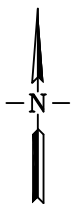
C:\Drawing Files\Northgate Environmental\2085.08\Phase I ESA\Fig 1. Site Vicinity Map - 05/14/2020



Scale

1000 0 1000 2000 3000 Feet





Map Source:
USGS 7.5 Minute
Topographic Quadrangle Map,
Redlands, CA - 1996

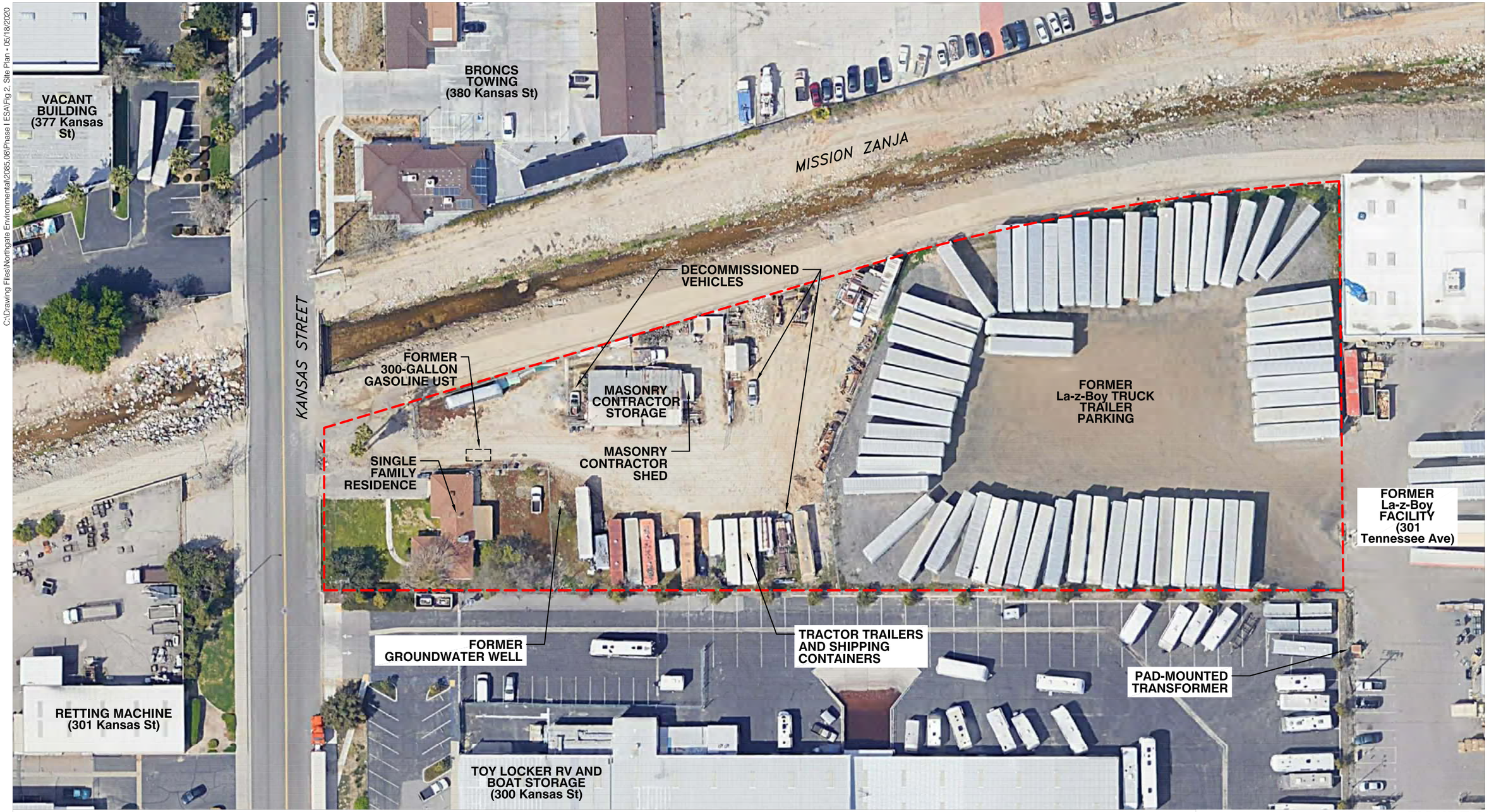
FIGURE 1
Site Vicinity Map

Phase I Environmental Site Assessment
360 Kansas Street
Redlands, California

northgate environmental management, inc.

Project No. 2085.08

C:\Drawing Files\Northgate Environmental\2085.08\Phase I ESA\Fig 2. Site Plan - 05/18/2020



EXPLANATION:

DESCRIPTION µg/L

0 80 160

APPROXIMATE SCALE IN FEET

N

FIGURE 2
Site Plan

Phase I Environmental Site Assessment
360 Kansas Street
Redlands, California

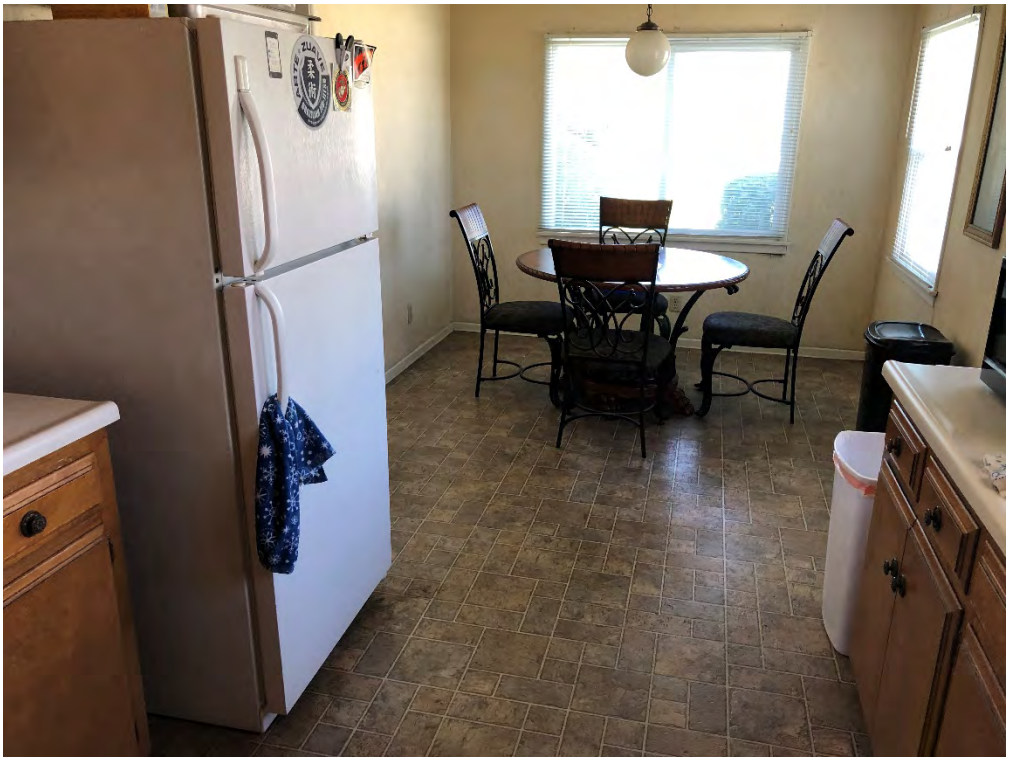
northgate environmental management, inc.

Project No. 2085.08

SITE PHOTOGRAPHS



1. View of the front of the single-family residence in the southwestern corner of the Site – view facing east.



2. Kitchen within the single-family residence – view facing west.



3. Garage and storage area for masonry contractor - view facing northwest.



4. Masonry contractor's supplies within garage. Buckets appear to be for mixing concrete and other masonry substances - view facing north.



5. Masonry equipment in western room of the garage – view facing north.



6. Household items stored in western room of the garage – view facing northwest.



7. Storage of masonry supplies and other items immediately to the north of the garage. Note that the drums are empty – view facing west.



8. Masonry contractor's storage shed immediately to the east of the garage – view facing northwest.



9. Masonry equipment within the shed. Note the oil staining on the floor and gasoline container – view facing southwest.



10. Decommissioned vehicle to the west of the garage – view facing southwest.



11. Decommissioned vehicle and shack to the east of the garage – view facing north.



12. Trash and household items in the shack to the east of the garage – view facing north.



13. Boat, storage containers, truck, and tractor in the northern central portion of the Site – view facing northeast.



14. Shipping containers and tractor trailer in the southern portion of the Site to the east of the single-family residence – view facing southwest.



15. More decommissioned vehicles in between two shipping containers in the southern portion of the Site – view facing south.



16. Groundwater well to the east of the single-family residence. Groundwater well has not been properly abandoned – view facing west.



17. Pole-mounted transformer in the southwestern corner of the Site – view facing east.



18. Vacant lot of the Site to the east of the former La-Z-Boy Furniture manufacturing facility – view facing east.



19. View of the eastern half of the Site from the former La-Z-Boy Furniture manufacturing facility – view facing northwest.



20. The Mission Zanja, a former irrigation canal, to the north of the Site. The Site is to the right in the photograph – view facing east.



21. Retting Machine yard to the west of the Site beyond Kansas Street – view facing west.



22. Toy Locker RV & Boat Storage to the south of the Site – view facing east.



23. Former La-Z-Boy Furniture manufacturing facility to the east of the Site – view facing north.

APPENDIX A

EDR ENVIRONMENTAL LIEN AND AUL SEARCH REPORT

Kansas Street Property
360 Kansas Street
Redlands, CA 92373

Inquiry Number: 6028383.7
April 01, 2020

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

360 Kansas Street
Kansas Street Property
Redlands, CA 92373

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

San Bernardino Recorder
San Bernardino, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Rettig Machine Shop
Title received from:	Alex Kim & Sadie Kim
Deed Dated	10/6/1995
Deed Recorded:	10/11/1995
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Rettig Machine Shop
Parcel # / Property Identifier:	0292-192-14
Comments:	See Exhibit

Deed Exhibit 1

PLEASE COMPLETE THIS INFORMATION

RECORDING REQUESTED BY:

RECORDED AT THE REQUEST OF
FIRST AMERICAN TITLE INSURANCE CO.

AND WHEN RECORDED MAIL TO:

RETTIG
P.O. BOX 7460
REDLANDS, CA. 92375

Recorded in Official Records, County of
San Bernardino, Errol J. Mackzum, Recorder

Doc No. 19950352381
3:00pm 10/11/95

First American Title # 601

PG	FEE	APF	ST FEE	ADD NM	CT	ADD RF	PER PR	PCOR
3	7	6						
		10	29	330.00			01	E
NON ST	LN	SVY	CIT-CO	TRANS TAX		NO FEE	CHRG	EXAM

SPACE ABOVE FOR RECORDER'S USE ONLY

GRANT DEED
Title of Document

20792 DV

THIS AREA FOR RECORDER'S USE ONLY

THIS PAGE ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION
($3.00 Additional Recording Fee Applies)

FIRST AMERICAN

Order No. 207924DN
Escrow No. 72538A
Loan No.

WHEN RECORDED MAIL TO:
FRANZ A. RETTIG
P.O. BOX 7460
REDLANDS, CA 92375

SPACE ABOVE THIS LINE FOR RECORDER'S USE

MAIL TAX STATEMENTS TO:
FRANZ A. RETTIG
P.O. BOX 7460
REDLANDS, CA 92375

✓ AP # 292-192-14

DOCUMENTARY TRANSFER TAX $ 330.00

XX Computed on the consideration or value of property conveyed; OR
____ Computed on the consideration or value less liens or encumbrances remaining at time of sale

The Undersigned Grantor
Signature of Declarant or Agent determining tax - Firm Name

GRANT DEED

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, ALEX KIMM AND SADIE KIMM, HUSBAND AND WIFE

hereby GRANT (S) to RETTIG MACHINE SHOP, A GENERAL PARTNERSHIP

the real property in the City of REDLANDS County of SAN BERNARDINO, State of California, described as SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF CONSISTING OF ONE PAGE

Dated October 06, 1995

Alex Kimm
ALEX KIMM

Sadie Kimm
SADIE KIMM

State of California
County of San Bernardino }

On October 9, 1995 before me, Lee Ann Adams personally appeared ALEX KIMM AND SADIE KIMM

_____ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person s whose name s are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signature s on the instrument the person s or the entity upon behalf of which the person s acted, executed the instrument.

WITNESS my hand and official seal.

Signature Lee Ann Adams

GRS1 LEE ANN ADAMS Comm. No. 1042950 NOTARY PUBLIC - CALIFORNIA SAN BERNARDINO COUNTY My Comm. Exp. Oct. 20, 1998 GRS1

(This area for official notarial seal)

1002 (6/82)

MAIL TAX STATEMENTS AS DIRECTED ABOVE

EXHIBIT "A"

THE SOUTHWEST 1/4 OF L.T. OR BLOCK 21, OF THE BARTON RANCH, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 6 OF MAPS, PAGE 19, RECORDS OF SAID COUNTY.

EXCEPTING THEREFROM THE SOUTH 340 FEET THEREOF, SAID 340 FEET BEING MEASURED FROM THE CENTER LINE OF CITRUS AVENUE.

ALSO EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PROPERTY:

BEGINNING AT THE NORTHWEST CORNER OF THE SAID SOUTHWEST 1/4 OF BLOCK 21, SAID CORNER LYING IN THE CENTER LINE OF AN 80 FOOT ROAD KNOWN AS KANSAS STREET, NORTH 661.07 FEET FROM THE SOUTHWEST CORNER (CENTER LINE INTERSECTION OF KANSAS STREET AND CITRUS AVENUE) OF THE SAID SOUTHWEST 1/4 OF BLOCK 21; THENCE SOUTH 89 DEG. 26' EAST 561.82 FEET ALONG THE NORTH LINE OF THE SAID SOUTHWEST 1/4 OF BLOCK 21; THENCE SOUTH 72 DEG. 45' WEST 588.25 FEET ALONG THE CENTER LINE OF THE ZANGA DITCH TO A POINT IN THE CENTER LINE OF SAID KANSAS STREET; THENCE NORTH 180.00 FEET ALONG THE SAID CENTER LINE OF KANSAS STREET TO THE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT, A BODY CORPORATE AND POLITIC BY DEED RECORDED OCTOBER 26, 1966, IN BOOK 6718, PAGE 788, RECORDS OF SAID COUNTY.

APPENDIX B

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

northgate
environmental management, inc.

Phase I Environmental Site Assessment Questionnaire

(User Provided Information Questionnaire)

Date: April 2, 2020

Your Name: FRANZ Rettig

Your Title: PARTNER

Site Name: _____

Site Location: 3600 KANSAS ST Redlands, CA

Relationship to Site: ☒ **Owner** ☐ **Occupant** ☐ **Purchaser** ☐ **Other (please explain)**

Length of Time Associated with Site: 25yrs

Please review and complete this questionnaire which will assist Northgate in completing our site assessment. If sufficient space in not provided, please compete your response on a separate sheet of paper and attach it to this questionnaire.

1. Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

   ☐ Yes ☒ No ☐ Unknown ☐ N/A

   If Yes, please explain:_____

   _____

24411 Ridge Route Drive, Suite 130, Laguna Hills, California tel 949.716.0050 fax 949.716.0055
www.ngem.com

2. Are you aware of any activity or land use limitations, such as engineering controls (for contaminant control), land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

3. Do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

4. Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

a) Do you know the past uses of the Site?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain: Chicken Ranch

_____

b) Do you know of specific chemicals that are present or once were present at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

c) Do you know of chemical spills that have taken place at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

d) Do you know of any environmental cleanups that have taken place at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

e) Do you know if any fill material has been imported to the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

5. Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

6. Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

7. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

8. Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

☐ Yes ☒ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

9. Does the Site's purchase price reasonably reflect the fair market value of the property?

☒ Yes ☐ No ☐ Unknown ☐ N/A

If No, do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contamination known or believed to be present at the Site?

☐ Yes ☐ No ☐ Unknown ☐ N/A

If Yes, please explain:_____

_____

10. Have any of the following documents been prepared for the Site and, if so, can copies be provided to Northgate:

- Environmental site assessment reports ☐ Yes ☒ No ☐ Copies available
- Environmental compliance audit reports ☐ Yes ☒ No ☐ Copies available
- Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, National Pollutant Discharge Elimination System permits, underground injection permits) ☐ Yes ☒ No ☐ Copies available
- Registrations for underground storage tanks (USTs) and/or above ground storage tanks (ASTs) ☐ Yes ☒ No ☐ Copies available
- Registrations for underground injection systems ☐ Yes ☒ No ☐ Copies available

- Material safety data sheets ☐ Yes ☒ No ☐ Copies available
- Community right-to-know plan ☐ Yes ☒ No ☐ Copies available
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc. ☐ Yes ☒ No ☐ Copies available
- Reports regarding hydrogeologic conditions on the Site or in the surrounding area
  ☐ Yes ☒ No ☐ Copies available
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Site or relating to environmental liens encumbering the Site ☐ Yes ☒ No ☐ Copies available
- Hazardous waste generator notices or reports ☐ Yes ☒ No ☐ Copies available
- Risk assessments ☐ Yes ☒ No ☐ Copies available
- Recorded Activity and Use Limitations (e.g. deed restriction, asphalt cap)
  ☐ Yes ☒ No ☐ Copies available

If you know of specific chemicals or other hazardous materials (e.g., PCB associated with transformers, batteries, etc.) that are present or were once present at the property, how were they used, stored, and disposed?

No

Do you know of aboveground or underground storage tanks on the property? If yes, what did they contain?

No

Do you have any knowledge or experience with nearby/adjacent properties? If yes, do you have knowledge of chemicals, releases, or cleanups on these properties?

No

How long have you owned, operated, leased, or been familiar the present and past uses of the property?

25 yrs

Northgate Environmental appreciates your assistance on this project.

APPENDIX C

THE EDR RADIUS MAP™ REPORT WITH GEOCHECK®

Kansas Street Property
360 Kansas Street
Redlands, CA 92373

Inquiry Number: 6028383.2s
March 31, 2020

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

360 KANSAS STREET
REDLANDS, CA 92373

COORDINATES

Latitude (North):	34.0567900 - 34° 3' 24.44''
Longitude (West):	117.2031360 - 117° 12' 11.28''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	481252.9
UTM Y (Meters):	3768276.8
Elevation:	1257 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630631 REDLANDS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
360 KANSAS STREET
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	ALEX KIMM	360 KANSAS STREET	HAZNET, HWTS		TP
A2	BRONCS TOWING INC	380 KANSAS ST	RCRA NonGen / NLR	Lower	147, 0.028, WNW
A3	BRONCS TOWING INC	380 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Lower	147, 0.028, WNW
B4	SPARTECH PLASTICS IN	300 KANSAS STREET	RCRA-SQG, FINDS, ECHO, HAZNET, CERS, HWTS	Lower	155, 0.029, SW
B5	UNIROYAL TECH CORP,	300 KANSAS ST	EMI, San Bern. Co. Permit	Lower	155, 0.029, SW
B6	RETTIG MACHINE SHOP	301 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, WDS, CERS	Lower	157, 0.030, WSW
B7	RETTIG MACHINE SHOP,	301 KANSAS STREET	RCRA NonGen / NLR	Lower	157, 0.030, WSW
A8	HM INDUSTRIAL INC	377 KANSAS ST UNIT A	RCRA NonGen / NLR	Lower	177, 0.034, WNW
A9	FLAMBEAU INC	377 KANSAS STREET	San Bern. Co. Permit, CIWQS	Lower	177, 0.034, WNW
C10	AMERIACN GALVANO INC	421 KANSAS ST	RCRA NonGen / NLR	Lower	445, 0.084, NW
C11	CHEP-REDLANDS	450 KANSAS STREET UN	San Bern. Co. Permit, CERS	Lower	511, 0.097, NW
12	EAST END HYDRO SHOP	298 KANSAS	RCRA-SQG	Lower	524, 0.099, SSW
D13	LA-Z-BOY WEST	301 TENNESSEE ST	San Bern. Co. Permit	Higher	593, 0.112, East
D14	LA-Z-BOY	301 TENNESSEE ST	RCRA NonGen / NLR	Higher	593, 0.112, East
D15	REDLANDS SERVICE CEN	287 TENNESSEE ST	AST, HIST UST, ENF	Higher	619, 0.117, ESE
D16	SOUTHERN CALIFORNIA	287 TENNESSEE	RCRA-LQG	Higher	619, 0.117, ESE
D17	SOUTHERN CALIFORNIA	287 TENNESSEE ST	RCRA NonGen / NLR	Higher	619, 0.117, ESE
D18	SOUTHERN CALIFORNIA	287 TENNESSEE ST	RCRA NonGen / NLR	Higher	619, 0.117, ESE
D19	SOUTHERN CALIFORNIA	287 TENNESSEE ST	CERS HAZ WASTE, CERS TANKS, HAZNET, San Bern. Co....	Higher	619, 0.117, ESE
D20	SCE-REDLANDS SERVICE	287 TENNESSEE	AST	Higher	619, 0.117, ESE
D21	SCE-REDLANDS	287 TENNESSEE ST	UST	Higher	619, 0.117, ESE
D22	SOUTHERN CALIFORNIA	287 TENNESSEE ST	SWEEPS UST, HIST UST, CA FID UST	Higher	619, 0.117, ESE
E23	CYCLERY USA INC DBA	415 TENNESSEE ST STE	RCRA NonGen / NLR	Higher	644, 0.122, ENE
24	CUSTOM MATERIAL SALE	1351 PARK AVE 105	San Bern. Co. Permit	Higher	699, 0.132, North
D25	CENTRUM ANALYTICAL L	290 TENNESSEE ST	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	718, 0.136, ESE
F26	REDLANDS COLOR LAB	461 TENNESSEE ST F	San Bern. Co. Permit	Higher	722, 0.137, NE
D27	WESLEY RAY AND SON I	300 TENNESSEE ST	HIST UST, San Bern. Co. Permit	Higher	728, 0.138, East
D28		300 TENNESSEE ST	RCRA NonGen / NLR	Higher	728, 0.138, East
G29	SOUTHERN CA FLEET SE	1270 W PARK AVE BLDG	RCRA NonGen / NLR	Higher	775, 0.147, NNE
G30	REDLANDS CITY	1270 W PARK AVE	CERS HAZ WASTE, CERS TANKS, EMI, San Bern. Co....	Higher	775, 0.147, NNE
G31	REDLANDS CORP YRD	1270 W PARK AVE	UST	Higher	775, 0.147, NNE
G32	REDLANDS CORPORATE Y	1270 PARK AVE	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, CERS	Higher	775, 0.147, NNE
H33	PLANT 1	410 MISSOURI COURT	US MINES	Lower	811, 0.154, WNW
E34	DUTCH GIRL CLEANERS	414 TENNESSEE ST STE	CERS HAZ WASTE, DRYCLEANERS, San Bern. Co. Permit,...	Higher	822, 0.156, ENE
E35	X-CELL LABORATORIES	414 TENNESSEE ST STE	San Bern. Co. Permit	Higher	822, 0.156, ENE
E36	DUTCH GIRL DRY CLEAN	414 TENNESSEE ST STE	DRYCLEANERS, HAZNET, HWTS	Higher	822, 0.156, ENE
E37	X-CELL LABORATORIES	414 TENNESSEE ST STE	RCRA NonGen / NLR	Higher	822, 0.156, ENE
I38	SAN BERNARDINO COUNT	500 KANSAS AVENUE	RCRA NonGen / NLR	Lower	868, 0.164, NNW
I39	HHW SATELLITE REDLAN	500 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Lower	868, 0.164, NNW

MAPPED SITES SUMMARY

Target Property Address:
360 KANSAS STREET
REDLANDS, CA 92373

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	SAN BERNARDINO COUNT	500 KANSAS AVE	RCRA NonGen / NLR	Lower	868, 0.164, NNW
H41	NATIONWIDE MARKETING	446 MISSOURI CT	San Bern. Co. Permit	Lower	868, 0.164, WNW
F42	CALIFORNIA RIDER MOT	450 TENNESSEE ST	San Bern. Co. Permit	Higher	883, 0.167, NE
F43	SIMPLY TOYOTA	452 TENNESSEE ST	San Bern. Co. Permit	Higher	883, 0.167, NE
J44	CONTINENTAL DATALABE	211 BUSINESS CENTER	San Bern. Co. Permit	Lower	905, 0.171, SW
J45	CONTINENTAL DATALABE	211 BUSINESS CENTER	RCRA NonGen / NLR, FINDS	Lower	905, 0.171, SW
J46	CONTINENTAL DATALABE	211 BUSINESS CENTER	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	905, 0.171, SW
47	NOVA COACH	1445 PARK AVE	San Bern. Co. Permit	Lower	932, 0.177, NW
K48	PIONEER CONSULTANTS	251 TENNESSEE ST	RCRA-SQG, HIST UST, FINDS, ECHO, NPDES, CIWQS	Higher	968, 0.183, SE
K49	REDLANDS CHRISTIAN M	251 TENESSEE ST	San Bern. Co. Permit	Higher	968, 0.183, SE
L50	JOSEPH GURROLA DBA S	1195 W PARK AVE	RCRA NonGen / NLR	Higher	1010, 0.191, NE
L51	PARK AVENUE AUTOMOTI	1195 W PARK AVE	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	1010, 0.191, NE
L52	CHUCK'S COMPLETE AUT	1195 PARK AVE	San Bern. Co. Permit	Higher	1010, 0.191, NE
L53	MAGNUM PERFORMANCE C	1195 W PARK AVE	San Bern. Co. Permit, HWTS	Higher	1010, 0.191, NE
L54	CITY YARDS	501 TENNESSEE STREET	HIST UST	Higher	1014, 0.192, NE
L55	CITY OF REDLANDS/ EQ	501 TENNESSEE	RCRA NonGen / NLR	Higher	1014, 0.192, NE
H56	THE SMART SHOP INC/G	451 MISSOURI CT	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Lower	1042, 0.197, WNW
H57	THE SMART SHOP/ GL M	451 MISSOURI CT	RCRA NonGen / NLR	Lower	1042, 0.197, WNW
L58	REDLANDS AUTO ELECTR	1165 W PARK AVE	CERS HAZ WASTE, San Bern. Co. Permit, CERS, HWTS	Higher	1123, 0.213, NE
L59	REDLANDS AUTO ELECTR	1165 W PARK AVE	RCRA NonGen / NLR	Higher	1123, 0.213, NE
M60	ROBERTSON'S		US MINES	Lower	1228, 0.233, West
L61	L & L TOWING	1143 PARK AVE	San Bern. Co. Permit	Higher	1241, 0.235, ENE
62	GTE / REDLANDS PLANT	1130 W STATE ST	SWEEPS UST, CA FID UST	Higher	1286, 0.244, ESE
63	SCE REDLANDS LAYDOWN	10616 KANSAS ST	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Lower	1288, 0.244, NNW
N64	QA PROCESSOR SERVICE	302 ALABAMA ST, STE8	HWP	Lower	1314, 0.249, WSW
N65	DIAGNOSTIC IMAGING I	302 ALABAMA ST SUITE	RCRA-SQG, FINDS	Lower	1314, 0.249, WSW
N66	EMPIRE KARTS	302 ALABAMA NO 9	RCRA-SQG, FINDS, ECHO	Lower	1314, 0.249, WSW
N67		302 ALABAMA ST UNIT	RCRA NonGen / NLR	Lower	1314, 0.249, WSW
N68	JOSEPH BARROS	302 ALABAMA ST. #10	RCRA NonGen / NLR	Lower	1314, 0.249, WSW
69	ARGON FUEL	1205/1255 REDLANDS B	CPS-SLIC, CERS	Higher	1401, 0.265, NNE
M70	BROOKSIDE DAIRY	325 ALABAMA ST	LUST, HIST CORTESE, CERS	Lower	1431, 0.271, West
71	REDLANDS COMMUNITY D	ALABAMA STREET/WEST	ENVIROSTOR, SCH	Lower	1850, 0.350, WNW
72	LAYNE CHRISTENSEN RE	1675 WEST PARK AVENU	ENVIROSTOR, VCP	Lower	2508, 0.475, WNW
73	CALIFORNIA TARGET EN	1580 REDLANDS BLVD	LUST, CERS	Lower	2564, 0.486, NNW
74	REDLANDS EARLY EDUCA	1712 WEST PARK AVENU	ENVIROSTOR, SCH, CERS	Lower	3698, 0.700, WNW
O75	SO CAL GAS/REDLANDS	STATE STREET AT REDL	EDR MGP	Higher	3851, 0.729, East
O76	SO CAL GAS/REDLANDS	STATE STREET AT REDL	ENVIROSTOR, VCP	Higher	4006, 0.759, East
P77	TELEDYNE INC TELEDYN	840 W BROCKTON AVE	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Higher	4259, 0.807, NE
P78	TELEDYNE BATTERY PRO	840 W BROCKTON AVE	ENVIROSTOR, LUST, CERS HAZ WASTE, SWEEPS UST, HIST	Higher	4259, 0.807, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ALEX KIMM 360 KANSAS STREET REDLANDS, CA 92373	HAZNET GEPAID: CAC001052608 HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
ODI Open Dump Inventory
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
HIST Cal-Sites Historical Calsites Database
SCH School Property Evaluation Program
CDL Clandestine Drug Labs

Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information

FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
Cortese - "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings - CUPA Resources List
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
ICE - ICE
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
Notify 65 - Proposition 65 Records
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List
RGA LUST - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TELEDYNE INC TELEDYN EPA ID:: CAD008386641	***840 W BROCKTON AVE***	***NE 1/2 - 1 (0.807 mi.)***	***P77***	***351***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA ID:: CAD981681497	287 TENNESSEE	ESE 0 - 1/8 (0.117 mi.)	D16	86

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CENTRUM ANALYTICAL L EPA ID:: CAD982333262	***290 TENNESSEE ST***	***ESE 1/8 - 1/4 (0.136 mi.)***	***D25***	***148***
PIONEER CONSULTANTS EPA ID:: CAD066158320	***251 TENNESSEE ST***	***SE 1/8 - 1/4 (0.183 mi.)***	***K48***	***273***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPARTECH PLASTICS IN	***300 KANSAS STREET***	***SW 0 - 1/8 (0.029 mi.)***	***B4***	***15***

EPA ID:: CAD094724333				
EAST END HYDRO SHOP EPA ID:: CA0000852483	298 KANSAS	SSW 0 - 1/8 (0.099 mi.)	12	79
DIAGNOSTIC IMAGING I EPA ID:: CAD983604000	***302 ALABAMA ST SUITE***	***WSW 1/8 - 1/4 (0.249 mi.)***	***N65***	***317***
EMPIRE KARTS EPA ID:: CAR000089581	***302 ALABAMA NO 9***	***WSW 1/8 - 1/4 (0.249 mi.)***	***N66***	***320***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/28/2019 has revealed that there are 5 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/REDLANDS Facility Id: 36490112 Status: Active	***STATE STREET AT REDL***	***E 1/2 - 1 (0.759 mi.)***	***O76***	***342***
TELEDYNE BATTERY PRO Facility Id: 80001578 Facility Id: 36360017 Status: No Further Action Status: Refer: RCRA	***840 W BROCKTON AVE***	***NE 1/2 - 1 (0.807 mi.)***	***P78***	***387***

Lower Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS COMMUNITY D Facility Id: 36010050 Status: No Further Action	***ALABAMA STREET/WEST***	***WNW 1/4 - 1/2 (0.350 mi.)***	***71***	***328***
LAYNE CHRISTENSEN RE Facility Id: 60002340 Status: Certified	***1675 WEST PARK AVENU***	***WNW 1/4 - 1/2 (0.475 mi.)***	***72***	***330***
REDLANDS EARLY EDUCA Facility Id: 36010023 Status: No Further Action	***1712 WEST PARK AVENU***	***WNW 1/2 - 1 (0.700 mi.)***	***74***	***339***

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS CORPORATE Y	***1270 PARK AVE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***G32***	***201***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0607100594
Global ID: T0607100594

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROOKSIDE DAIRY	***325 ALABAMA ST***	***W 1/4 - 1/2 (0.271 mi.)***	***M70***	***325***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0607100050
Global ID: T0607100050

CALIFORNIA TARGET EN	***1580 REDLANDS BLVD***	***NNW 1/4 - 1/2 (0.486 mi.)***	***73***	***336***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0607100419
Global ID: T0607100419

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARGON FUEL	***1205/1255 REDLANDS B***	***NNE 1/4 - 1/2 (0.265 mi.)***	***69***	***324***

Database: CPS-SLIC, Date of Government Version: 12/09/2019
Facility Status: Open - Site Assessment
Global Id: T10000011531

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCE-REDLANDS Database: UST, Date of Government Version: 12/09/2019 Facility Id: 86009045	287 TENNESSEE ST	ESE 0 - 1/8 (0.117 mi.)	D21	144
REDLANDS CORP YRD Database: UST, Date of Government Version: 12/09/2019 Facility Id: 87014146 Facility Id: FA0002002	1270 W PARK AVE	NNE 1/8 - 1/4 (0.147 mi.)	G31	201

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS SERVICE CEN Database: AST, Date of Government Version: 07/06/2016	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D15***	***82***
SCE-REDLANDS SERVICE Database: AST, Date of Government Version: 07/06/2016	287 TENNESSEE	ESE 0 - 1/8 (0.117 mi.)	D20	144

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/28/2019 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAYNE CHRISTENSEN RE Status: Certified Facility Id: 60002340	***1675 WEST PARK AVENU***	***WNW 1/4 - 1/2 (0.475 mi.)***	***72***	***330***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/21/2019 has revealed that there are 11 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	*287 TENNESSEE ST*	*ESE 0 - 1/8 (0.117 mi.)*	*D19*	*91*
REDLANDS CITY	*1270 W PARK AVE*	*NNE 1/8 - 1/4 (0.147 mi.)*	*G30*	*186*
DUTCH GIRL CLEANERS	*414 TENNESSEE ST STE*	*ENE 1/8 - 1/4 (0.156 mi.)*	*E34*	*214*
PARK AVENUE AUTOMOTI	*1195 W PARK AVE*	*NE 1/8 - 1/4 (0.191 mi.)*	*L51*	*281*
REDLANDS AUTO ELECTR	*1165 W PARK AVE*	*NE 1/8 - 1/4 (0.213 mi.)*	*L58*	*306*

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC	*380 KANSAS ST*	*WNW 0 - 1/8 (0.028 mi.)*	*A3*	*11*
RETTIG MACHINE SHOP	*301 KANSAS ST*	*WSW 0 - 1/8 (0.030 mi.)*	*B6*	*63*
HHW SATELLITE REDLAN	*500 KANSAS ST*	*NNW 1/8 - 1/4 (0.164 mi.)*	*I39*	*227*
CONTINENTAL DATALABE	*211 BUSINESS CENTER*	*SW 1/8 - 1/4 (0.171 mi.)*	*J46*	*236*
THE SMART SHOP INC/G	*451 MISSOURI CT*	*WNW 1/8 - 1/4 (0.197 mi.)*	*H56*	*301*
SCE REDLANDS LAYDOWN	*10616 KANSAS ST*	*NNW 1/8 - 1/4 (0.244 mi.)*	*63*	*315*

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Status: A Tank Status: A Comp Number: 22199	*287 TENNESSEE ST*	*ESE 0 - 1/8 (0.117 mi.)*	*D22*	*145*
REDLANDS CORPORATE Y Status: A Tank Status: A Comp Number: 14146	*1270 PARK AVE*	*NNE 1/8 - 1/4 (0.147 mi.)*	*G32*	*201*
GTE / REDLANDS PLANT Status: A Tank Status: A Comp Number: 9037	*1130 W STATE ST*	*ESE 1/8 - 1/4 (0.244 mi.)*	*62*	*313*

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS SERVICE CEN	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D15***	***82***
Facility Id: 00000022199				
Facility Id: 00000066326				
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D22***	***145***
WESLEY RAY AND SON I	***300 TENNESSEE ST***	***E 1/8 - 1/4 (0.138 mi.)***	***D27***	***182***
Facility Id: 00000048902				
PIONEER CONSULTANTS	***251 TENNESSEE ST***	***SE 1/8 - 1/4 (0.183 mi.)***	***K48***	***273***
Facility Id: 00000049219				
CITY YARDS	501 TENNESSEE STREET	NE 1/8 - 1/4 (0.192 mi.)	L54	294
Facility Id: 00000032749				
Facility Id: 00000032746				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D22***	***145***
Facility Id: 36008797				
Status: A				
REDLANDS CORPORATE Y	***1270 PARK AVE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***G32***	***201***
Facility Id: 36007694				
Status: A				
GTE / REDLANDS PLANT	***1130 W STATE ST***	***ESE 1/8 - 1/4 (0.244 mi.)***	***62***	***313***
Facility Id: 36002677				
Status: A				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/21/2019 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D19***	***91***
REDLANDS CITY	***1270 W PARK AVE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***G30***	***186***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 20 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA-Z-BOY EPA ID:: CAD005544465	301 TENNESSEE ST	E 0 - 1/8 (0.112 mi.)	D14	81
SOUTHERN CALIFORNIA EPA ID:: CAR000194191	287 TENNESSEE ST	ESE 0 - 1/8 (0.117 mi.)	D17	87
SOUTHERN CALIFORNIA EPA ID:: CAL000418076	287 TENNESSEE ST	ESE 0 - 1/8 (0.117 mi.)	D18	90
CYCLERY USA INC DBA EPA ID:: CAL000404742	415 TENNESSEE ST STE	ENE 0 - 1/8 (0.122 mi.)	E23	146
Not reported EPA ID:: CAC003040372	300 TENNESSEE ST	E 1/8 - 1/4 (0.138 mi.)	D28	183
SOUTHERN CA FLEET SE EPA ID:: CAL000405115	1270 W PARK AVE BLDG	NNE 1/8 - 1/4 (0.147 mi.)	G29	184
X-CELL LABORATORIES EPA ID:: CAL000304012	414 TENNESSEE ST STE	ENE 1/8 - 1/4 (0.156 mi.)	E37	225
JOSEPH GURROLA DBA S EPA ID:: CAL000381523	1195 W PARK AVE	NE 1/8 - 1/4 (0.191 mi.)	L50	279
CITY OF REDLANDS/ EQ EPA ID:: CAD981997315	501 TENNESSEE	NE 1/8 - 1/4 (0.192 mi.)	L55	299
REDLANDS AUTO ELECTR EPA ID:: CAL000434888	1165 W PARK AVE	NE 1/8 - 1/4 (0.213 mi.)	L59	311

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC EPA ID:: CAL000443104	380 KANSAS ST	WNW 0 - 1/8 (0.028 mi.)	A2	10
RETTIG MACHINE SHOP, EPA ID:: CAL000040540	301 KANSAS STREET	WSW 0 - 1/8 (0.030 mi.)	B7	72
HM INDUSTRIAL INC EPA ID:: CAL000442764	377 KANSAS ST UNIT A	WNW 0 - 1/8 (0.034 mi.)	A8	73
AMERIACN GALVANO INC EPA ID:: CAL000357354	421 KANSAS ST	NW 0 - 1/8 (0.084 mi.)	C10	76
SAN BERNARDINO COUNT EPA ID:: CAH111000039	500 KANSAS AVENUE	NNW 1/8 - 1/4 (0.164 mi.)	I38	226
SAN BERNARDINO COUNT EPA ID:: CAH111001289	500 KANSAS AVE	NNW 1/8 - 1/4 (0.164 mi.)	I40	231
CONTINENTAL DATALABE	***211 BUSINESS CENTER***	***SW 1/8 - 1/4 (0.171 mi.)***	***J45***	***234***

EPA ID:: CAR000072652				
THE SMART SHOP/ GL M EPA ID:: CAL000291002	451 MISSOURI CT	WNW 1/8 - 1/4 (0.197 mi.)	H57	305
Not reported EPA ID:: CAL000449524	302 ALABAMA ST UNIT	WSW 1/8 - 1/4 (0.249 mi.)	N67	321
JOSEPH BARROS EPA ID:: CAC002972039	302 ALABAMA ST. #10	WSW 1/8 - 1/4 (0.249 mi.)	N68	323

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there are 2 US MINES sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANT 1 Database: MINES VIOLATIONS, Date of Government Version: 12/03/2019	410 MISSOURI COURT	WNW 1/8 - 1/4 (0.154 mi.)	H33	207
ROBERTSON'S Database: US MINES, Date of Government Version: 11/06/2019 Mine ID:: 0404652		W 1/8 - 1/4 (0.233 mi.)	M60	312

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUTCH GIRL CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 09/27/2019	***414 TENNESSEE ST STE***	***ENE 1/8 - 1/4 (0.156 mi.)***	***E34***	***214***
DUTCH GIRL DRY CLEAN Database: DRYCLEANERS, Date of Government Version: 09/06/2019 EPA Id: CAL000267327	***414 TENNESSEE ST STE***	***ENE 1/8 - 1/4 (0.156 mi.)***	***E36***	***222***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDLANDS CORPORATE Y Reg Id: 083603526T	***1270 PARK AVE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***G32***	***201***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROOKSIDE DAIRY	***325 ALABAMA ST***	***W 1/4 - 1/2 (0.271 mi.)***	***M70***	***325***

Reg Id: 083600475T

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/18/2019 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TELEDYNE BATTERY PRO EPA Id: CAD008386641 Cleanup Status: CLOSED	***840 W BROCKTON AVE***	***NE 1/2 - 1 (0.807 mi.)***	***P78***	***387***

Lower Elevation	Address	Direction / Distance	Map ID	Page
QA PROCESSOR SERVICE EPA Id: CAD983604000 Cleanup Status: CLOSED	302 ALABAMA ST, STE8	WSW 1/8 - 1/4 (0.249 mi.)	N64	317

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 11/26/2019 has revealed that there are 27 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA-Z-BOY WEST Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0004349	301 TENNESSEE ST	E 0 - 1/8 (0.112 mi.)	D13	80
SOUTHERN CALIFORNIA Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Status: INACTIVE Facility Id: FA0006044	***287 TENNESSEE ST***	***ESE 0 - 1/8 (0.117 mi.)***	***D19***	***91***
CUSTOM MATERIAL SALE Facility Status: INACTIVE Facility Id: FA0014025	1351 PARK AVE 105	N 1/8 - 1/4 (0.132 mi.)	24	147
REDLANDS COLOR LAB Facility Status: INACTIVE Facility Id: FA0005635	461 TENNESSEE ST F	NE 1/8 - 1/4 (0.137 mi.)	F26	182
WESLEY RAY AND SON I Facility Status: INACTIVE Facility Id: FA0007250	***300 TENNESSEE ST***	***E 1/8 - 1/4 (0.138 mi.)***	***D27***	***182***
REDLANDS CITY Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0002002	***1270 W PARK AVE***	***NNE 1/8 - 1/4 (0.147 mi.)***	***G30***	***186***
DUTCH GIRL CLEANERS	***414 TENNESSEE ST STE***	***ENE 1/8 - 1/4 (0.156 mi.)***	***E34***	***214***

Facility Status: ACTIVE Facility Id: FA0007665				
X-CELL LABORATORIES Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0013591	414 TENNESSEE ST STE	ENE 1/8 - 1/4 (0.156 mi.)	E35	221
CALIFORNIA RIDER MOT Facility Status: INACTIVE Facility Id: FA0009415	450 TENNESSEE ST	NE 1/8 - 1/4 (0.167 mi.)	F42	232
SIMPLY TOYOTA Facility Status: INACTIVE Facility Id: FA0011635 Facility Id: FA0000951	452 TENNESSEE ST	NE 1/8 - 1/4 (0.167 mi.)	F43	233
REDLANDS CHRISTIAN M Facility Status: INACTIVE Facility Id: FA0015862	251 TENESSEE ST	SE 1/8 - 1/4 (0.183 mi.)	K49	279
PARK AVENUE AUTOMOTI Facility Status: ACTIVE Facility Id: FA0015111	***1195 W PARK AVE***	***NE 1/8 - 1/4 (0.191 mi.)***	***L51***	***281***
CHUCK'S COMPLETE AUT Facility Status: INACTIVE Facility Id: FA0001964	1195 PARK AVE	NE 1/8 - 1/4 (0.191 mi.)	L52	292
MAGNUM PERFORMANCE C Facility Status: INACTIVE Facility Id: FA0010735 Facility Id: FA0009378	***1195 W PARK AVE***	***NE 1/8 - 1/4 (0.191 mi.)***	***L53***	***292***
REDLANDS AUTO ELECTR Facility Status: ACTIVE Facility Id: FA0017827	***1165 W PARK AVE***	***NE 1/8 - 1/4 (0.213 mi.)***	***L58***	***306***
L & L TOWING Facility Status: INACTIVE Facility Id: FA0004316	1143 PARK AVE	ENE 1/8 - 1/4 (0.235 mi.)	L61	313

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRONCS TOWING INC Facility Status: ACTIVE Facility Id: FA0018211	***380 KANSAS ST***	***WNW 0 - 1/8 (0.028 mi.)***	***A3***	***11***
UNIROYAL TECH CORP, Facility Status: INACTIVE Facility Id: FA0012195 Facility Id: FA0010213 Facility Id: FA0005820	***300 KANSAS ST***	***SW 0 - 1/8 (0.029 mi.)***	***B5***	***58***
RETTIG MACHINE SHOP Facility Status: ACTIVE Facility Id: FA0005677	***301 KANSAS ST***	***WSW 0 - 1/8 (0.030 mi.)***	***B6***	***63***
FLAMBEAU INC Facility Status: INACTIVE Facility Id: FA0003238	***377 KANSAS STREET***	***WNW 0 - 1/8 (0.034 mi.)***	***A9***	***75***
CHEP-REDLANDS	***450 KANSAS STREET UN***	***NW 0 - 1/8 (0.097 mi.)***	***C11***	***77***

Facility Status: ACTIVE Facility Id: FA0017727				
HHW SATELLITE REDLAN Facility Status: FEE EXEMPT Facility Status: INACTIVE Facility Id: FA0002307	***500 KANSAS ST***	***NNW 1/8 - 1/4 (0.164 mi.)***	***I39***	***227***
NATIONWIDE MARKETING Facility Status: INACTIVE Facility Id: FA0010334	446 MISSOURI CT	WNW 1/8 - 1/4 (0.164 mi.)	H41	232
CONTINENTAL DATALABE Facility Status: ACTIVE Facility Id: FA0002487	211 BUSINESS CENTER	SW 1/8 - 1/4 (0.171 mi.)	J44	234
NOVA COACH Facility Status: INACTIVE Facility Id: FA0010837	1445 PARK AVE	NW 1/8 - 1/4 (0.177 mi.)	47	273
THE SMART SHOP INC/G Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0009500 Facility Id: FA0009499	***451 MISSOURI CT***	***WNW 1/8 - 1/4 (0.197 mi.)***	***H56***	***301***
SCE REDLANDS LAYDOWN Facility Status: ACTIVE Facility Id: FA0018336	***10616 KANSAS ST***	***NNW 1/8 - 1/4 (0.244 mi.)***	***63***	***315***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

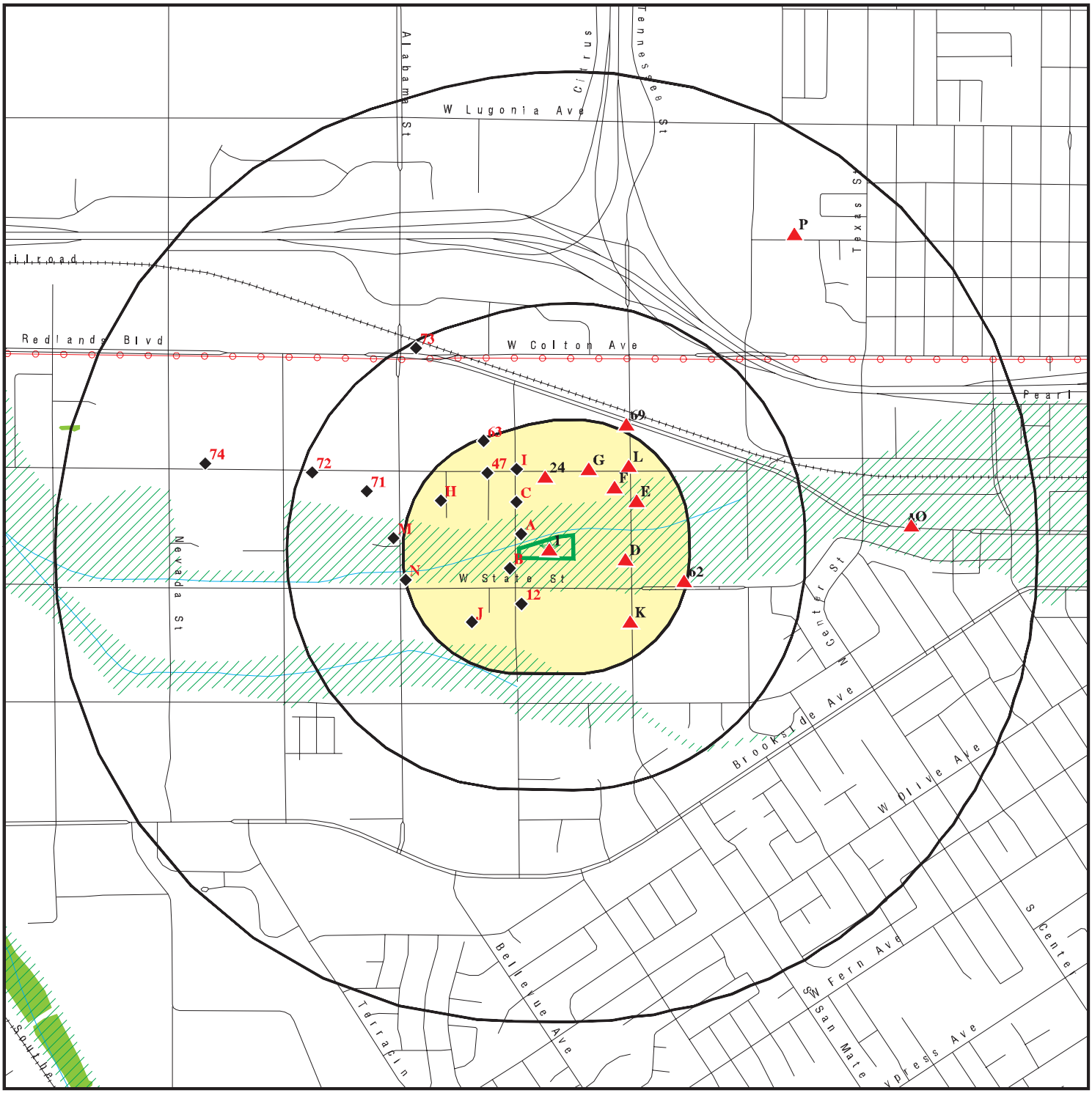
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/REDLANDS	STATE STREET AT REDL	E 1/2 - 1 (0.729 mi.)	O75	342

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
REDLANDS SMUDGE POT TANKS SITE	SEMS
EDISON/REDLANDS MGP	EDR MGP

OVERVIEW MAP - 6028383.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kansas Street Property	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	360 Kansas Street Redlands CA 92373	CONTACT:	Angie Tran
		INQUIRY #:	6028383.2s
LAT/LONG:	34.05679 / 117.203136	DATE:	March 31, 2020 3:32 pm

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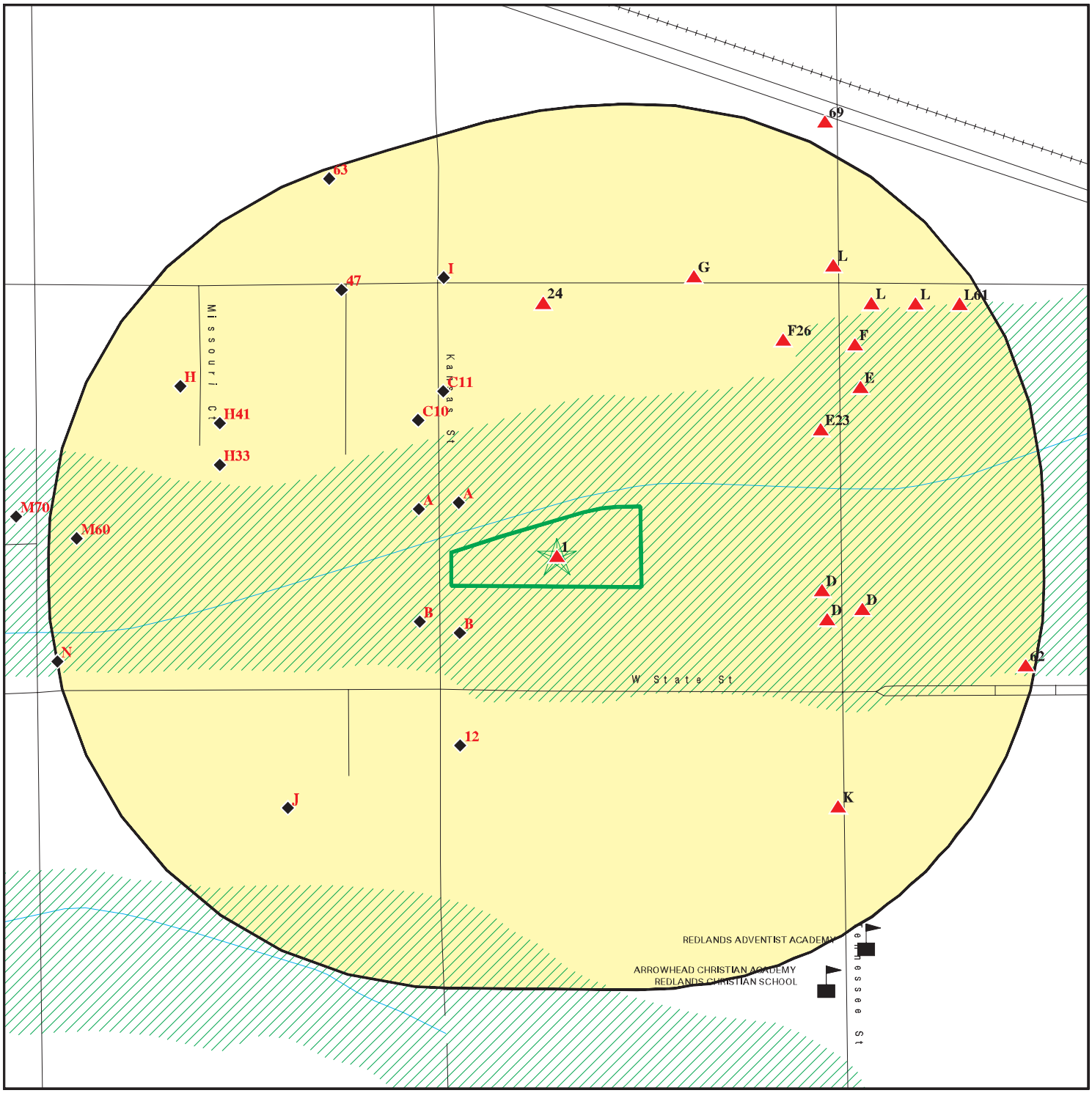
DETAIL MAP - 6028383.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Kansas Street Property	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	360 Kansas Street Redlands CA 92373	CONTACT:	Angie Tran
		INQUIRY #:	6028383.2s
LAT/LONG:	34.05679 / 117.203136	DATE:	March 31, 2020 3:33 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		2	4	NR	NR	NR	6
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	2	3	NR	5
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	1	2	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		3	8	NR	NR	NR	11
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	2	NR	NR	NR	3
HIST UST	0.250		2	3	NR	NR	NR	5
CA FID UST	0.250		1	2	NR	NR	NR	3
CERS TANKS	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		8	12	NR	NR	NR	20
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	2	NR	NR	NR	2
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	1	NR	NR	2
HWP	1.000		0	1	0	1	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		7	20	NR	NR	NR	27
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		2	29	60	7	6	0	104

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **ALEX KIMM** **HAZNET** **S112863463**
Target **360 KANSAS STREET** **HWTS** **N/A**
Property **REDLANDS, CA 92373**

Actual:
1257 ft.

HAZNET:

Name:	ALEX KIMM
Address:	360 KANSAS STREET
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
Contact:	ALEX KIMM
Telephone:	9097987498
Mailing Name:	Not reported
Mailing Address:	360 KANSAS STREET
Year:	1995
Gepaid:	CAC001052608
TSD EPA ID:	CAD982484933
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	R01 - Recycler
Tons:	0.4

Additional Info:

Year:	1995
Gen EPA ID:	CAC001052608
Shipment Date:	19950626
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950626
Manifest ID:	95183429
Trans EPA ID:	CAD009466392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982484933
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982484933
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALEX KIMM
Address:	360 KANSAS STREET
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAC001052608
Inactive Date:	10/25/2000
Create Date:	06/12/1995

ALEX KIMM (Continued) **S112863463**

Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	360 KANSAS STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923730000
Owner Name:	ALEX KIMM
Owner Address:	360 KANSAS STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923730000
Contact Name:	ALEX KIMM
Contact Address:	360 KANSAS STREET
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000

A2 **BRONCS TOWING INC** **RCRA NonGen / NLR** **1024874448**
WNW **380 KANSAS ST** **CAL000443104**
< 1/8 **REDLANDS, CA 92373**
0.028 mi.
147 ft. **Site 1 of 4 in cluster A**

Relative: **Lower**

Actual: **1250 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2019-02-05 00:00:00.0
Facility name:	BRONCS TOWING INC
Facility address:	380 KANSAS ST REDLANDS, CA 92373
EPA ID:	CAL000443104
Contact:	MOSTAFA BAHRAMI
Contact address:	380 KANSAS ST REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-307-0944
Contact email:	BRONCS.TOWING@YAHOO.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MOSTAFA BAHRAMI
Owner/operator address:	380 KANSAS ST REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-0944
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BRONCS TOWING INC
Owner/operator address:	380 KANSAS ST REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-0944
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

BRONCS TOWING INC (Continued) **1024874448**

Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A3 **BRONCS TOWING INC** **CERS HAZ WASTE** **S123531868**
WNW **380 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373** **CERS**
0.028 mi. **HWTS**
147 ft. **Site 2 of 4 in cluster A**

Relative: **Lower**
Actual: **1250 ft.**

CERS HAZ WASTE:
Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 518663
CERS ID: 10784845
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018211
Owner: Mostafa Bahrami
Permit Number: PT0039358
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2020

Name: BRONCS TOWING INC
Address: 380 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0018211
Owner: Mostafa Bahrami
Permit Number: PT0039359

BRONCS TOWING INC (Continued) **S123531868**

Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2020

CERS:

Name:	BRONCS TOWING INC
Address:	380 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	518663
CERS ID:	10784845
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	518663
Site Name:	Broncs Towing Inc
Violation Date:	04-25-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	The hazardous materials inventory submitted via CERS on 03/01/2019 does not accurately disclose the quantities of the hazardous materials and/or hazardous waste. Update the hazardous materials inventory to include the following: -(4) 55 gallon drums containing new oil -(2) 55 gallon drums containing used lubricating oil -(1) 55 gallon drum containing waste automotive coolant -(2) 55 gallon drums containing drained used oil filters CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	518663
Site Name:	Broncs Towing Inc
Violation Date:	04-25-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	The site map submitted via CERS on 03/01/2019 was missing the following mapping elements: -Evacuation Staging Area -Utility Shutoffs as applicable for electricity, water, and gas CORRECTIVE ACTION: Submit an accurate and complete site map into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department

BRONCS TOWING INC (Continued) **S123531868**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 518663
Facility Name: Broncs Towing Inc
Env Int Type Code: HMBP
Program ID: 10784845
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.057300
Longitude: -117.203870

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 380 Kansas Street
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Amanda Downey
Entity Title: Facility Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Mostafa Bahrami
Entity Title: Not reported
Affiliation Address: 380 Kansas Street
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Mostafa Bahrami
Entity Title: Not reported

BRONCS TOWING INC (Continued) **S123531868**

Affiliation Address:	380 Kansas Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 307-0944
Affiliation Type Desc:	Parent Corporation
Entity Name:	Broncs Towing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Document Preparer
Entity Name:	Amanda Downey
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Broncs Towing Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 307-0944
Affiliation Type Desc:	Property Owner
Entity Name:	ESRI
Entity Title:	Not reported
Affiliation Address:	380 New York Street
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-2853

BRONCS TOWING INC (Continued) **S123531868**

HWTS:

Name:	BRONCS TOWING INC
Address:	380 KANSAS ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000443104
Inactive Date:	Not reported
Create Date:	02/05/2019
Last Act Date:	02/05/2019
Mailing Name:	Not reported
Mailing Address:	380 KANSAS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	BRONCS TOWING INC
Owner Address:	380 KANSAS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 92373
Contact Name:	MOSTAFA BAHRAMI
Contact Address:	380 KANSAS ST
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAL000443104
Create Date:	2019-02-05 13:27:38
NAICS Code:	811198
NAICS Description:	All Other Automotive Repair and Maintenance
Issued EPA ID Date:	2019-02-05 13:27:38
Inactive Date:	Not reported
Facility Name:	BRONCS TOWING INC
Facility Address:	380 KANSAS ST
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	92373

B4 **SPARTECH PLASTICS INC** **RCRA-SQG 1000148996**
SW **300 KANSAS STREET** **FINDS CAD094724333**
< 1/8 **REDLANDS, CA 92373** **ECHO**
0.029 mi. **HAZNET**
155 ft. **Site 1 of 4 in cluster B** **CERS**
HWTS

Relative:
Lower

Actual:
1249 ft.

RCRA-SQG:

Date form received by agency:	2000-04-11 00:00:00.0
Facility name:	SPARTECH PLASTICS INC
Facility address:	300 KANSAS STREET REDLANDS, CA 92373
EPA ID:	CAD094724333
Contact:	MICHAEL KIRBY
Contact address:	300 KANSAS STREET REDLANDS, CA 92373
Contact country:	US
Contact telephone:	909-793-3121
Contact email:	Not reported
EPA Region:	09

SPARTECH PLASTICS INC (Continued) **1000148996**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ALCHEM PLASTICS INC
Owner/operator address: 300 KANSAS STREET
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-793-3121
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2000-04-11 00:00:00.0
Site name: SPARTECH PLASTICS INC
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: SPARTECH PLASTICS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

SPARTECH PLASTICS INC (Continued) **1000148996**

. Waste code: D009
. Waste name: MERCURY

Violation Status: No violations found

FINDS:
Registry ID: 110002664475
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002664475

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000148996
Registry ID: 110002664475
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002664475
Name: SPARTECH PLASTICS INC
Address: 300 KANSAS STREET
City,State,Zip: REDLANDS, CA 92373

HAZNET:
Name: SPARTECH PLASTICS INC
Address: 300 KANSAS STREET
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923730000
Contact: MICHAEL P KIRBY/PLANT MANAGER
Telephone: 9097933121
Mailing Name: Not reported
Mailing Address: 300 KANSAS ST

Year: 2005
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.8

Year: 2005
Gepaid: CAD094724333

SPARTECH PLASTICS INC (Continued) **1000148996**

TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.396

Year: 2005
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.7975

Year: 2005
Gepaid: CAD094724333
TSD EPA ID: CAT080013352
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.27

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.17

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: R01 - Recycler
Tons: 0.00834

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.576

Year: 2004
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.45

Year: 2003
Gepaid: CAD094724333
TSD EPA ID: CAT080033681
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.198

Year: 2003
Gepaid: CAD094724333
TSD EPA ID: CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.25

Click this hyperlink while viewing on your computer to access
47 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1993
Gen EPA ID: CAD094724333

Shipment Date: 19930917
Creation Date: 9/13/1995 0:00:00
Receipt Date: 19930922
Manifest ID: 93051384
Trans EPA ID: CAD982472854
Trans Name: Not reported
Trans 2 EPA ID: CAD981455520
Trans 2 Name: Not reported
TSDF EPA ID: CAD009007626
Trans Name: Not reported
TSDF Alt EPA ID: CAD009007626
TSDF Alt Name: Not reported
CA Waste Code: 151 - Asbestos-containing waste
RCRA Code: Not reported
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 3.3712
Waste Quantity: 4
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930818
Creation Date: 9/11/1995 0:00:00
Receipt Date: 19930818
Manifest ID: 93185259
Trans EPA ID: CAD983615287
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930818
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930818
Manifest ID:	93185259
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD094724333
Shipment Date:	20001103
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001103
Manifest ID:	20151297
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001103
Creation Date:	1/9/2001 0:00:00

SPARTECH PLASTICS INC (Continued) **1000148996**

Receipt Date:	20001103
Manifest ID:	20151297
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000810
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000818
Manifest ID:	20107789
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000613
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000623
Manifest ID:	99778382
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000613
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000623
Manifest ID:	99778382
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000324
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000403
Manifest ID:	99778092
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000324
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000403
Manifest ID:	99778092
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000209
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000222
Manifest ID:	99838701
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000209
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000222
Manifest ID:	99838701
Trans EPA ID:	CA0000001818

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 2
Waste Quantity: 4000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAD094724333

Shipment Date: 19971121
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971122
Manifest ID: 96864354
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: Not reported
TSDF Alt EPA ID: CAD099452708
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.608
Waste Quantity: 160
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19971121
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971125
Manifest ID: 96864356
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971121
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971122
Manifest ID:	96864354
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.361
Waste Quantity:	95
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970919
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96864256
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	*** - Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970919
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96864256
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970804
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970808
Manifest ID:	96864170
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970804
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970808
Manifest ID:	96864170

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970611
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970611
Manifest ID:	96864076
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970611
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970611
Manifest ID:	96864076
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture

SPARTECH PLASTICS INC (Continued) **1000148996**

RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970509
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970513
Manifest ID:	96864015
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD094724333
Shipment Date:	20020918
Creation Date:	2/11/2003 18:31:24
Receipt Date:	20020918
Manifest ID:	21820080
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020624
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020624
Manifest ID:	21344303
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020624
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020624
Manifest ID:	21344303
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD094724333

SPARTECH PLASTICS INC (Continued) **1000148996**

Shipment Date:	19981230
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981230
Manifest ID:	98244763
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981216
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981221
Manifest ID:	98244738
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981216
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981221
Manifest ID:	98244738
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981007
Creation Date:	11/23/1998 0:00:00
Receipt Date:	19981008
Manifest ID:	98244595
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980824
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980824
Manifest ID:	98244496
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980610
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980610
Manifest ID:	97288745
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.095
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980608
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980608
Manifest ID:	97288741
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980608
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980608

SPARTECH PLASTICS INC (Continued) **1000148996**

Manifest ID:	97288741
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980325
Creation Date:	5/26/1998 0:00:00
Receipt Date:	19980330
Manifest ID:	97288587
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980112
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980112
Manifest ID:	97288442
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD094724333
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960916
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960917
Manifest ID:	96227186
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960830
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960903
Manifest ID:	96227144
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960604
Creation Date:	5/30/1997 0:00:00

SPARTECH PLASTICS INC (Continued) **1000148996**

Receipt Date:	19960604
Manifest ID:	96226965
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960506
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960507
Manifest ID:	96226907
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960408
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960409
Manifest ID:	96226851
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960312
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960312
Manifest ID:	95574780
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960109
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19960909
Manifest ID:	95574685
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960109
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19960909
Manifest ID:	95574685
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD094724333
Shipment Date:	19991215
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991215

SPARTECH PLASTICS INC (Continued) **1000148996**

Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991215
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991217
Manifest ID:	99838484
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991014
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19991014
Manifest ID:	98475909
Trans EPA ID:	CAL000827758
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000827758
Trans Name:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	R01 - Recycler
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991014
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19991014
Manifest ID:	98475909
Trans EPA ID:	CAL000827758
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000827758
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	- Not reported
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990910
Creation Date:	11/18/1999 0:00:00
Receipt Date:	19990920
Manifest ID:	99303358
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990910
Creation Date:	11/18/1999 0:00:00
Receipt Date:	19990920
Manifest ID:	99303358
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0
Waste Quantity:	600
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990701
Creation Date:	9/1/1999 0:00:00
Receipt Date:	19990701
Manifest ID:	99303202
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990416
Creation Date:	6/3/1999 0:00:00
Receipt Date:	19990419
Manifest ID:	98717014

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 1.5
Waste Quantity: 3000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990416
Creation Date: 6/3/1999 0:00:00
Receipt Date: 19990419
Manifest ID: 98717014
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2005
Gen EPA ID: CAD094724333

Shipment Date: 20051104
Creation Date: 3/14/2007 18:30:14
Receipt Date: 20051104
Manifest ID: 24575866
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051104
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051104
Manifest ID:	24575864
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.27
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051103
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575862
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051103
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575862
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050826
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050826
Manifest ID:	24575685
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050603
Creation Date:	9/13/2005 18:30:54
Receipt Date:	20050603

SPARTECH PLASTICS INC (Continued) **1000148996**

Manifest ID: 24320665
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: NA
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 1.4
Waste Quantity: 2800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/29/2005 8:38:49
Receipt Date: 20050125
Manifest ID: 23863454
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: NA
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 0.8
Waste Quantity: 1600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAD094724333

Shipment Date: 20041210
Creation Date: 3/13/2007 18:30:13
Receipt Date: 20041210
Manifest ID: 23863359
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	NA
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	NA
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	NA
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.02
Waste Quantity:	40

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041014
Creation Date:	1/10/2005 18:31:02
Receipt Date:	20041014
Manifest ID:	23863239
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52

SPARTECH PLASTICS INC (Continued) **1000148996**

Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	NA
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	NA
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040811
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040811
Manifest ID:	23486713
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	NA
Disposal Method:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040224
Creation Date:	8/23/2004 8:16:48
Receipt Date:	20040224
Manifest ID:	22422380
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040224
Creation Date:	8/23/2004 8:16:48
Receipt Date:	20040224
Manifest ID:	22422380
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD094724333

Shipment Date: 19941212
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941212
Manifest ID: 93611590
Trans EPA ID: CAD983615287
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19941212
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941212
Manifest ID: 93611590
Trans EPA ID: CAD983615287
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.9174
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940810

SPARTECH PLASTICS INC (Continued) **1000148996**

Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	92662397
Trans EPA ID:	CAT080012800
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940801
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940801
Manifest ID:	93611411
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940801
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940801
Manifest ID:	93611411
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.4587
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2003
Gen EPA ID: CAD094724333

Shipment Date: 20031219
Creation Date: 8/19/2004 11:23:00
Receipt Date: 20031229
Manifest ID: 22422267
Trans EPA ID: CAR000111286
Trans Name: GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: D/K ENVIRONMENTAL
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 0.45
Waste Quantity: 900
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030702
Creation Date: 7/23/2004 13:22:40
Receipt Date: 20030708
Manifest ID: 22563500
Trans EPA ID: CAR000111286
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler

SPARTECH PLASTICS INC (Continued) **1000148996**

Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030702
Creation Date:	7/23/2004 13:22:40
Receipt Date:	20030708
Manifest ID:	22563500
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030127
Creation Date:	5/18/2003 14:32:26
Receipt Date:	20030127
Manifest ID:	21820337
Trans EPA ID:	CAR000111286
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Additional Info:

Year:	1995
Gen EPA ID:	CAD094724333
Shipment Date:	19950520
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950523
Manifest ID:	93621886
Trans EPA ID:	CAL000020974
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.0842
Waste Quantity:	0.1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950509
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950509
Manifest ID:	93611846
Trans EPA ID:	CAD983615287
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950509
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950509
Manifest ID:	93611846
Trans EPA ID:	CAD983615287

SPARTECH PLASTICS INC (Continued) **1000148996**

Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000088252
Trans Name: Not reported
TSDF Alt EPA ID: CAD000088252
TSDF Alt Name: Not reported
CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Disposal Method: H01 - Transfer Station
Quantity Tons: 4.587
Waste Quantity: 1100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2001
Gen EPA ID: CAD094724333

Shipment Date: 20010719
Creation Date: 10/1/2001 0:00:00
Receipt Date: 20010719
Manifest ID: 20661163
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010719
Creation Date: 10/1/2001 0:00:00
Receipt Date: 20010719
Manifest ID: 20661163
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010314
Creation Date:	6/12/2001 0:00:00
Receipt Date:	20010320
Manifest ID:	20660858
Trans EPA ID:	CA0000001818
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET
City,State,Zip:	REDLANDS, CA 92373-8151
Site ID:	495540
CERS ID:	110002664475
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL KIRBY
Entity Title:	Not reported
Affiliation Address:	300 KS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

SPARTECH PLASTICS INC (Continued) **1000148996**

Affiliation Type Desc:	Public Contact
Entity Name:	DEAN HALWANI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	SPARTECH PLASTICS INC
Address:	300 KANSAS STREET
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAD094724333
Inactive Date:	06/30/2006
Create Date:	07/23/1982
Last Act Date:	12/04/2006
Mailing Name:	Not reported
Mailing Address:	300 KANSAS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738151
Owner Name:	SPARTECH PLASTICS
Owner Address:	300 KANSAS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923730000
Contact Name:	MICHAEL P KIRBY/PLANT MANAGER
Contact Address:	300 KANSAS ST
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000

NAICS:

EPA ID:	CAD094724333
Create Date:	2002-03-14 16:36:26
NAICS Code:	326113
NAICS Description:	Unsupported Plastics Film and Sheet (except Packaging) Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2006-06-30 00:00:00
Facility Name:	SPARTECH PLASTICS INC
Facility Address:	300 KANSAS STREET
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	923730000

B5 **UNIROYAL TECH CORP, ROYALITE T** **EMI** **1006824105**
SW **300 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.029 mi.
155 ft. **Site 2 of 4 in cluster B**

Relative: **Lower**

Actual: **1249 ft.**

EMI:

Name:	ROYALITE PLASTICS INC
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3079
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ROYALITE PLASTICS INC
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNIROYAL TECH CORP, ROYALITE T
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	17917
Air District Name:	SC
SIC Code:	3081
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2002
County Code:	36
Air Basin:	SC

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0131
Reactive Organic Gases Tons/Yr:	0.63
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0444
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.03

Name:	SPARTECH PLASTICS CORP
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Year:	2005
County Code:	36
Air Basin:	SC
Facility ID:	122712
Air District Name:	SC
SIC Code:	3089
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.8283
Reactive Organic Gases Tons/Yr:	.8196386
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.0807
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.05649

San Bern. Co. Permit:

Name:	SMI MODULAR INDUSTRIES OF CA
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0012195
Owner:	SMI MODULAR INDUSTRIES OF CA
Permit Number:	PT0021487
Permit Category:	HAZMAT HANDLER 26-50 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	04/30/2010

Name:	CURRENT ENTERPRISES MODULAR, LLC
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010213
Owner:	CURRENT ENTERPRISES MODULAR
Permit Number:	PT0017360
Permit Category:	HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	02/28/2010

Name:	SPARTECH PLASTICS
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0005820
Owner:	SPARTECH PLASTICS
Permit Number:	PT0001481
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	01/31/2006

Name:	SPARTECH PLASTICS
Address:	300 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0005820
Owner:	SPARTECH PLASTICS

UNIROYAL TECH CORP, ROYALITE T (Continued) **1006824105**

Permit Number: PT0001467
Permit Category: HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 01/31/2006

B6 **RETTIG MACHINE SHOP INC** **CERS HAZ WASTE** **S104769520**
WSW **301 KANSAS ST** **San Bern. Co. Permit** **N/A**
< 1/8 **REDLANDS, CA 92373** **WDS**
0.030 mi. **CERS**
157 ft. **Site 3 of 4 in cluster B**

Relative:
Lower

Actual:
1246 ft.

CERS HAZ WASTE:
Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 61379
CERS ID: 10043749
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005677
Owner: RETTIG MACHINE SHOP, INC.
Permit Number: PT0004061
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 11/30/2020

Name: RETTIG MACHINE SHOP, INC
Address: 301 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0005677
Owner: RETTIG MACHINE SHOP, INC.
Permit Number: PT0004060
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 11/30/2020

WDS:
Name: RETTIG MACHINE SHOP INC
Address: 301 Kansas St
City: REDLANDS
Facility ID: Santa Ana River 36I011805
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Subregion:	8
Facility Telephone:	9097937811
Facility Contact:	FRANZ A RETTIG
Agency Name:	RETTIG MACHINE SHOP INC
Agency Address:	PO Box 7460
Agency City,St,Zip:	Redlands 923750460
Agency Contact:	FRANZ A RETTIG
Agency Telephone:	9097937811
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name:	RETTIG MACHINE SHOP, INC
Address:	301 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	61379
CERS ID:	10043749
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Violation Date:	11-26-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/04/2014. Failure to manage contaminated containers lawfully (CCR 66261.7) Containers, or inner liners removed from a container, that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word G EmptyG , the date that the container became empty and must be removed from the site within one year of that

RETTIG MACHINE SHOP INC (Continued) **S104769520**

date. Observed (10) empty 55 gallon drums that previously held hazardous materials. Per operator, the date that the drums became empty is unknown. Corrective Text: Remove all empty containers that previously held hazardous materials or hazardous waste within 30 days of this report. SUBMIT copies of all waste records to this Department.

Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 01-01-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, PHOTO NARRATIVE
Eval Division: San Bernardino County Fire Department
Eval Program: HW

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Eval Source: CERS

Enforcement Action:
Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Site Address: 301 KANSAS ST
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 04-29-2019
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Site Address: 301 KANSAS ST
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 61379
Facility Name: RETTIG MACHINE SHOP, INC
Env Int Type Code: SMSWIND
Program ID: 252502
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.055620
Longitude: -117.204390

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 301 KANSAS ST
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373-8153
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: FRANZ A. RETTIG
Entity Title: Not reported

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-7811
Affiliation Type Desc:	Parent Corporation
Entity Name:	RETTIG MACHINE SHOP, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	RETTIG MACHINE SHOP PARTNERSHIP
Entity Title:	Not reported
Affiliation Address:	P. O. BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92375-0460
Affiliation Phone:	(909) 793-7811
Affiliation Type Desc:	Environmental Contact
Entity Name:	FRANZ RETTIG
Entity Title:	Not reported
Affiliation Address:	PO BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375-0460
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	FRANZ A. RETTIG
Entity Title:	CHIEF EXECUTIVE OFFICER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Rettig Machine Shop Inc
Entity Title:	Operator
Affiliation Address:	PO Box 7460
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Document Preparer
Entity Name:	SUSAN L. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	RETTIG MACHINE SHOP, INC.
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-7811

Name:	RETTIG MACHINE SHOP, INC
Address:	301 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	61379
CERS ID:	252502
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Violation Date:	11-26-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 12/04/2014. Failure to manage contaminated containers lawfully (CCR 66261.7) Containers, or inner liners removed from a container, that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word G EmptyG , the date that the container became empty and must be removed from the site within one year of that date. Observed (10) empty 55 gallon drums that previously held hazardous materials. Per operator, the date that the drums became empty is unknown. Corrective Text: Remove all empty containers that previously held hazardous materials or hazardous waste within 30 days of this report. SUBMIT copies of all waste records to this Department.
Violation Division:	San Bernardino County Fire Department

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Violation Program: HW
Violation Source: CERS

Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC
Violation Date: 01-01-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, PHOTO NARRATIVE
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 61379
Site Name: RETTIG MACHINE SHOP, INC

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Site Address:	301 KANSAS ST
Site City:	REDLANDS
Site Zip:	92373
Enf Action Date:	04-29-2019
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	According to our 2017-18 records in SMARTS, the January 1, 2019 Level 2 ERA Technical Report for Rettig Machine Shop, Inc. has not yet been submitted for Aluminum, Total (Recoverable), Iron, Total (Recoverable), and Zinc, Total (Recoverable).
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	61379
Site Name:	RETTIG MACHINE SHOP, INC
Site Address:	301 KANSAS ST
Site City:	REDLANDS
Site Zip:	92373
Enf Action Date:	11-26-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	61379
Facility Name:	RETTIG MACHINE SHOP, INC
Env Int Type Code:	SMSWIND
Program ID:	252502
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.055620
Longitude:	-117.204390

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373-8153
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	FRANZ A. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation Phone:	(909) 793-7811
Affiliation Type Desc:	Parent Corporation
Entity Name:	RETTIG MACHINE SHOP, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	RETTIG MACHINE SHOP PARTNERSHIP
Entity Title:	Not reported
Affiliation Address:	P. O. BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92375-0460
Affiliation Phone:	(909) 793-7811
Affiliation Type Desc:	Environmental Contact
Entity Name:	FRANZ RETTIG
Entity Title:	Not reported
Affiliation Address:	PO BOX 7460
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375-0460
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	FRANZ A. RETTIG
Entity Title:	CHIEF EXECUTIVE OFFICER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Rettig Machine Shop Inc
Entity Title:	Operator
Affiliation Address:	PO Box 7460
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino

RETTIG MACHINE SHOP INC (Continued) **S104769520**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Document Preparer
Entity Name:	SUSAN L. RETTIG
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	RETTIG MACHINE SHOP, INC.
Entity Title:	Not reported
Affiliation Address:	301 KANSAS ST
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 793-7811

B7 **RETTIG MACHINE SHOP, INC.** **RCRA NonGen / NLR** **1024788053**
WSW **301 KANSAS STREET** **CAL000040540**
< 1/8 **REDLANDS, CA 92373**
0.030 mi.
157 ft. **Site 4 of 4 in cluster B**

Relative:
Lower

Actual:
1246 ft.

RCRA NonGen / NLR:

Date form received by agency:	1990-09-17 00:00:00.0
Facility name:	RETTIG MACHINE SHOP, INC.
Facility address:	301 KANSAS STREET REDLANDS, CA 92373-0000
EPA ID:	CAL000040540
Mailing address:	PO BOX 7460 REDLANDS, CA 92375-0460
Contact:	FRANZ RETTIG
Contact address:	PO BOX 7460 REDLANDS, CA 92375
Contact country:	Not reported
Contact telephone:	909-793-7811
Contact email:	SUSAN@RETTIGMACHINE.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRANZ RETTIG
Owner/operator address:	PO BOX 7460 REDLANDS, CA 92375
Owner/operator country:	Not reported
Owner/operator telephone:	909-793-7811
Owner/operator email:	Not reported

RETTIG MACHINE SHOP, INC. (Continued) **1024788053**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RETTIG MACHINE SHOP, INC.
Owner/operator address: PO BOX 7460
REDLANDS, CA 92375
Owner/operator country: Not reported
Owner/operator telephone: 909-793-7811
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A8 **HM INDUSTRIAL INC** **RCRA NonGen / NLR** **1024874109**
WNW **377 KANSAS ST UNIT A** **CAL000442764**
< 1/8 **REDLANDS, CA 92373**
0.034 mi.
177 ft. **Site 3 of 4 in cluster A**

Relative:
Lower

Actual:
1246 ft.

RCRA NonGen / NLR:
Date form received by agency: 2019-01-25 00:00:00.0
Facility name: HM INDUSTRIAL INC
Facility address: 377 KANSAS ST UNIT A
REDLANDS, CA 92373
EPA ID: CAL000442764
Contact: JOHANNA PUERTO
Contact address: 377 KANSAS ST UNIT A
REDLANDS, CA 92373
Contact country: Not reported
Contact telephone: 909-335-6766
Contact email: JOHANNAGDPLASTIC@YAHOO.COM
EPA Region: 09

HM INDUSTRIAL INC (Continued) **1024874109**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TONG ZHAO
Owner/operator address: 377 KANSAS ST UNIT A
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-335-6766
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOHANNA PUERTO
Owner/operator address: 377 KANSAS ST UNIT A
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-335-6766
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A9
WNW
< 1/8
0.034 mi.
177 ft.

FLAMBEAU INC
377 KANSAS STREET
REDLANDS, CA 92373

Site 4 of 4 in cluster A

San Bern. Co. Permit **S108206957**
CIWQS **N/A**

Relative:
Lower

Actual:
1246 ft.

San Bern. Co. Permit:

Name:	FLAMBEAU INC
Address:	377 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0003238
Owner:	FLAMBEAU INC
Permit Number:	PT0004008
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	INACTIVE
Expiration Date:	08/31/2015

Name:	FLAMBEAU INC
Address:	377 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0003238
Owner:	FLAMBEAU INC
Permit Number:	PT0004009
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	08/31/2014

CIWQS:

Name:	FLAMBEAU INC
Address:	377 KANSAS STREET
City,State,Zip:	REDLANDS, CA 92373
Agency:	Flambeau Inc
Agency Address:	377 Kansas Street, Redlands, CA 92373
Place/Project Type:	Industrial - Plastics Products, NEC
SIC/NAICS:	3089
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I012704
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/03/1996
Termination Date:	02/10/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.05711
Longitude:	-117.20441

C10 **AMERIACN GALVANO INC** **RCRA NonGen / NLR** **1024827545**
NW **421 KANSAS ST** **CAL000357354**
< 1/8 **REDLANDS, CA 92373**
0.084 mi.
445 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
1251 ft.

RCRA NonGen / NLR:

Date form received by agency:	2010-09-29 00:00:00.0
Facility name:	AMERIACN GALVANO INC
Facility address:	421 KANSAS ST REDLANDS, CA 92373-5477
EPA ID:	CAL000357354
Contact:	ANTHONY COVEY
Contact address:	421 KANSAS ST REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-307-1840
Contact email:	EFORMS@ELECTROFORMS.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ANTHONY COVEY
Owner/operator address:	421 KANSAS ST REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-1840
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	AMERIACN GALVANO INC
Owner/operator address:	421 KANSAS ST REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-1840
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

AMERIACN GALVANO INC (Continued) **1024827545**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

C11 **CHEP-REDLANDS** **San Bern. Co. Permit S122499453**
NW **450 KANSAS STREET UNITS 101 & 102** **CERS N/A**
< 1/8 **REDLANDS, CA 92373**
0.097 mi.
511 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
1253 ft.

San Bern. Co. Permit:
Name: CHEP-REDLANDS
Address: 450 KANSAS STREET UNITS 101 & 102
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017727
Owner: Thomas Carrasco
Permit Number: PT0038215
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 03/31/2020

CERS:
Name: CHEP-REDLANDS
Address: 450 KANSAS STREET UNITS 101 & 102
City,State,Zip: REDLANDS, CA 92373
Site ID: 432064
CERS ID: 10752850
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 432064
Site Name: CHEP-Redlands
Violation Date: 08-07-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/25/2018. OBSERVATION: Observed (10) 8-gallon cylinders of propane that was previously undisclosed on facility's business plan. CORRECTIVE ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

CHEP-REDLANDS (Continued) **S122499453**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Robert E. Johnson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Laura Nador
Entity Title:	Not reported
Affiliation Address:	5897 Windward Pkwy.
Affiliation City:	Alpharetta
Affiliation State:	GA
Affiliation Country:	United States
Affiliation Zip:	30005
Affiliation Phone:	(770) 379-6923

Affiliation Type Desc:	Operator
Entity Name:	CHEP-REdlands
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 733-1169

Affiliation Type Desc:	Environmental Contact
Entity Name:	Thomas Carrasco
Entity Title:	Not reported
Affiliation Address:	450 Kansas Street Units 101 & 102
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Robert E. Johnson
Entity Title:	CHEP Quality & Safety Compliance Officer
Affiliation Address:	Not reported
Affiliation City:	Not reported

CHEP-REDLANDS (Continued) **S122499453**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	450 Kansas Street Units 101 & 102
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

12
SSW
< 1/8
0.099 mi.
524 ft.

EAST END HYDRO SHOP FACILITY **RCRA-SQG** **1000905547**
298 KANSAS **CA0000852483**
REDLANDS, CA 92373

Relative:
Lower

Actual:
1250 ft.

RCRA-SQG:

Date form received by agency:	1996-09-01 00:00:00.0
Facility name:	EAST END HYDRO SHOP FACILITY
Facility address:	298 KANSAS REDLANDS, CA 92373
EPA ID:	CA0000852483
Mailing address:	2244 WALNUT GROVE AVE STE 405 ROSEMEAD, CA 91770
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator

EAST END HYDRO SHOP FACILITY (Continued) **1000905547**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SOUTHERN CALIFORNIA EDISON CO
Owner/operator address:	P O BOX 800 ROSEMEAD, CA 91770
Owner/operator country:	Not reported
Owner/operator telephone:	818-302-9788
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1994-09-27 00:00:00.0
Site name:	EAST END HYDRO SHOP FACILITY
Classification:	Large Quantity Generator

Violation Status: No violations found

D13 **LA-Z-BOY WEST** **San Bern. Co. Permit** **S108211649**
East **301 TENNESSEE ST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.112 mi.
593 ft. **Site 1 of 13 in cluster D**

Relative:
Higher

Actual:
1269 ft.

San Bern. Co. Permit:

Name:	LA-Z-BOY WEST
Address:	301 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004349
Owner:	LA-Z-BOY INCORPORATED

LA-Z-BOY WEST (Continued) **S108211649**

Permit Number: PT0001794
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 08/31/2020

Name: LA-Z-BOY WEST
Address: 301 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004349
Owner: LA-Z-BOY INCORPORATED
Permit Number: PT0001795
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2015

Name: LA-Z-BOY WEST
Address: 301 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0004349
Owner: LA-Z-BOY INCORPORATED
Permit Number: PT0021341
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 08/31/2013

D14 **LA-Z-BOY** **RCRA NonGen / NLR** **1024782501**
East **301 TENNESSEE ST** **CAD005544465**
< 1/8 **REDLANDS, CA 92372**
0.112 mi.
593 ft. **Site 2 of 13 in cluster D**

Relative:
Higher

Actual:
1269 ft.

RCRA NonGen / NLR:
Date form received by agency: 1983-06-15 00:00:00.0
Facility name: LA-Z-BOY
Facility address: 301 TENNESSEE ST
REDLANDS, CA 92372-0000
EPA ID: CAD005544465
Mailing address: PO BOX 8880
REDLANDS, CA 92375-2080
Contact: DARRELL E. MEALER
Contact address: PO BOX 8880
REDLANDS, CA 92375
Contact country: Not reported
Contact telephone: 909-251-2537
Contact email: DMEALER@LA-Z-BOY.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: LA-Z-BOY CHAIR CO
Owner/operator address: 1284 N TELEGRAPH RD
MONROE, MI 48161
Owner/operator country: Not reported
Owner/operator telephone: 313-242-1444

LA-Z-BOY (Continued) **1024782501**

Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	DARRELL E. MEALER
Owner/operator address:	PO BOX 8880 REDLANDS, CA 92375
Owner/operator country:	Not reported
Owner/operator telephone:	909-251-2537
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D15 **REDLANDS SERVICE CENTER** **AST** **U001575466**
ESE **287 TENNESSEE ST** **HIST UST** **N/A**
< 1/8 **REDLANDS, CA 92373** **ENF**
0.117 mi.
619 ft. **Site 3 of 13 in cluster D**

Relative:
Higher

Actual:
1269 ft.

AST:

Name:	SCE-REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City/Zip:	REDLANDS,92373
Certified Unified Program Agencies:	Not reported
Owner:	Southern California Edison
Total Gallons:	Not reported
CERSID:	10044484
Facility ID:	FA0006044
Business Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Phone:	(626) 302-1212
Fax:	Not reported

REDLANDS SERVICE CENTER (Continued) **U001575466**

Mailing Address:	P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Mailing Address City:	Rosemead
Mailing Address State:	CA
Mailing Address Zip Code:	91770
Operator Name:	Southern California Edison
Operator Phone:	(626) 302-1212
Owner Phone:	(626) 302-1212
Owner Mail Address:	P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Owner State:	CA
Owner Zip Code:	91770
Owner Country:	United States
Property Owner Name:	Southern California Edison
Property Owner Phone:	(626) 302-1212
Property Owner Mailing Address:	P.O. Box 800 (Attn: CES Compliance Gateway 6040)
Property Owner City:	Rosemead
Property Owner Stat :	CA
Property Owner Zip Code:	91770
Property Owner Country:	United States
EPAID:	CAR000194191

HIST UST:

Name:	REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002A6AD
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A6AD.pdf
Region:	STATE
Facility ID:	00000022199
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Contact Name:	Not reported
Telephone:	8185721801
Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Owner Address:	2244 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Total Tanks:	0001
Tank Num:	001
Container Num:	234
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	001
Container Num:	471
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	5
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	001
Container Num:	471

REDLANDS SERVICE CENTER (Continued) **U001575466**

Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	5
Container Construction Thickness:	X
Leak Detection:	None

Tank Num:	001
Container Num:	234
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

ENF:

Name:	ILLEGAL DISCHARGE-KIMBERLY POL
Address:	287 TENNESSEE
City,State,Zip:	REDLANDS, CA
Region:	8
Facility Id:	232228
Agency Name:	Reliant Energy
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	UNREGS

REDLANDS SERVICE CENTER (Continued) **U001575466**

# Of Programs:	Not reported
WDID:	8 362680N01
Reg Measure Id:	163844
Reg Measure Type:	Unregulated
Region:	8
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	233232
Region:	8
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Referral to Other Agency
Effective Date:	04/15/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 8 362680N01
Description:	The case was referred to San Bernardino Fire/HazMat. The cash settlement went to San Bernardino Fire/HazMat.
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

D16 **SOUTHERN CALIFORNIA EDISON** **RCRA-LQG** **1007199574**
ESE **287 TENNESSEE** **CAD981681497**
< 1/8 **REDLANDS, CA 92373**
0.117 mi.
619 ft. **Site 4 of 13 in cluster D**

Relative:
Higher

Actual:
1269 ft.

RCRA-LQG:

Date form received by agency:	1996-02-29 00:00:00.0
Facility name:	SOUTHERN CALIFORNIA EDISON
Facility address:	287 TENNESSEE REDLANDS, CA 92373
EPA ID:	CAD981681497
Mailing address:	P.O. BOX 800 2244 WALNUT GROVE AVENUE ROSEMEAD, CA 91770
Contact:	KATHRYN VANDERSLICE
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	818-302-9320
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D17
ESE
< 1/8
0.117 mi.
619 ft.

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
287 TENNESSEE ST
REDLANDS, CA 92373

Site 5 of 13 in cluster D

RCRA NonGen / NLR | **1011488253** | **CAR000194191**

Relative:
Higher

Actual:
1269 ft.

RCRA NonGen / NLR:

Date form received by agency:	2010-12-07 00:00:00.0
Facility name:	SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Site name:	SCE REDLANDS SERVICE CENTER
Facility address:	287 TENNESSEE ST REDLANDS, CA 92373
EPA ID:	CAR000194191
Mailing address:	PO BOX 800 ATTN SARA DUVALL ROSEMEAD, CA 91770
Contact:	SARA M DUVALL
Contact address:	PO BOX 800 ROSEMEAD, CA 91770
Contact country:	US
Contact telephone:	626-302-4187
Contact email:	SARA.DUVALL@SCE.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SOUTHERN CALIFORNIA EDISON
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1959-01-01 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	SOUTHERN CALIFORNIA EDISON
Owner/operator address:	PO BOX 800 ROSEMEAD, CA 91770
Owner/operator country:	US
Owner/operator telephone:	626-302-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1959-01-01 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1011488253**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2008-08-19 00:00:00.0
Site name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Classification: Not a generator, verified

Date form received by agency: 2008-07-25 00:00:00.0
Site name: REDLANDS SERVICE CENTER
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 291
. Waste name: Latex waste

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1011488253**

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1011488253**

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

D18
ESE
< 1/8
0.117 mi.
619 ft.

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER **RCRA NonGen / NLR** **1024855461**
287 TENNESSEE ST **CAL000418076**
REDLANDS, CA 92373

Site 6 of 13 in cluster D

Relative: Higher

Actual: 1269 ft.

RCRA NonGen / NLR:
Date form received by agency: 2016-06-13 00:00:00.0
Facility name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Facility address: 287 TENNESSEE ST
REDLANDS, CA 92373
EPA ID: CAL000418076
Mailing address: PO BOX 800
ROSEMEAD, CA 91770-0000
Contact: SARA M. DUVALL
Contact address: P.O. BOX 800
ROSEMEAD, CA 91770
Contact country: Not reported
Contact telephone: 626-862-8458
Contact email: SARA.DUVALL@SCE.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SARA M. DUVALL

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **1024855461**

Owner/operator address: P.O. BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: 626-862-8458
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIFORNIA EDISON
Owner/operator address: PO BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: 626-862-8458
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

D19 **SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER** **CERS HAZ WASTE** **S113178669**
ESE **287 TENNESSEE ST** **CERS TANKS** **N/A**
< 1/8 **REDLANDS, CA 92373** **HAZNET**
0.117 mi. **San Bern. Co. Permit**
619 ft. **Site 7 of 13 in cluster D** **CERS**
HWTS

Relative:
Higher

Actual:
1269 ft.

CERS HAZ WASTE:
Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 151580
CERS ID: 10044484
CERS Description: Hazardous Waste Generator

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

CERS TANKS:

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	151580
CERS ID:	10044484
CERS Description:	Aboveground Petroleum Storage

HAZNET:

Name:	SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
Contact:	SARA M. DUVALL
Telephone:	6268628458
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Year:	2017
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	391.027
Year:	2017
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.20828
Year:	2017
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	731 - Liquids with polychloronated biphenyls >= 50 Mg./L
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	5.95555
Year:	2017
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Year:	2017
Gepaid:	CAR000194191
TSD EPA ID:	CAD050806850
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Tons: 5.4875

Year: 2017
Gepaid: CAR000194191
TSD EPA ID: CAD050806850
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Year: 2017
Gepaid: CAR000194191
TSD EPA ID: CAD050806850
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2017
Gepaid: CAR000194191
TSD EPA ID: CAD050806850
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06

Year: 2017
Gepaid: CAR000194191
TSD EPA ID: CAT080025711
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.344

Year: 2017
Gepaid: CAR000194191
TSD EPA ID: CAD050806850
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 21.34393

Click this hyperlink while viewing on your computer to access
91 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2013
Gen EPA ID: CAR000194191

Shipment Date: 20131226
Creation Date: 3/21/2014 22:15:11
Receipt Date: 20131226
Manifest ID: 006793594FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.755
Waste Quantity:	5510
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.331
Waste Quantity:	2662
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	6.359
Waste Quantity:	12718
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/21/2014 22:15:11
Receipt Date:	20131226
Manifest ID:	006793587FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9205
Waste Quantity:	1841
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131226
Manifest ID:	006793593FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2775
Waste Quantity:	555
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.29
Waste Quantity:	2580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.025
Waste Quantity:	14050
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131219
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	006793516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0022
Waste Quantity:	2
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	2/16/2014 22:15:06
Receipt Date:	20131213
Manifest ID:	009011360JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.266
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000194191
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.87609
Waste Quantity:	795
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00992
Waste Quantity:	9
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.862
Waste Quantity:	7724
Quantity Unit:	P
Additional Code 1:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6215
Waste Quantity:	1243
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.362
Waste Quantity:	16724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790343FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000194191
Shipment Date:	20081231
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081231
Manifest ID:	001751310FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.113
Waste Quantity:	2226
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081231
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081231
Manifest ID:	001751310FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5035
Waste Quantity:	1007
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081219
Creation Date:	4/3/2009 18:30:19
Receipt Date:	20081219
Manifest ID:	001751202FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.74
Waste Quantity:	1480
Quantity Unit:	P

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081219
Creation Date:	4/3/2009 18:30:19
Receipt Date:	20081219
Manifest ID:	001751202FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.925
Waste Quantity:	1850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081212
Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081212
Manifest ID:	001751162FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2775
Waste Quantity:	2555
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081212

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Creation Date:	4/3/2009 18:30:27
Receipt Date:	20081212
Manifest ID:	001751158FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.875
Waste Quantity:	1750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.58247
Waste Quantity:	1436
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.7654
Waste Quantity:	1602
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.511
Waste Quantity:	1022
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081211
Creation Date:	3/31/2009 18:30:22
Receipt Date:	20081211
Manifest ID:	001751157FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	14.1985
Waste Quantity:	28397
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000194191
Shipment Date:	20121221
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121221
Manifest ID:	010157691JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.056
Waste Quantity:	112

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.048
Waste Quantity:	14096
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2575
Waste Quantity:	515
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20121220
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121220
Manifest ID:	005681169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2365
Waste Quantity:	473
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8465
Waste Quantity:	1693
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.218
Waste Quantity:	436
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121206
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121206
Manifest ID:	005681306FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.079
Waste Quantity:	10158
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121129
Manifest ID:	004954822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121129
Manifest ID:	004954822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000194191
Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.117

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Waste Quantity:	234
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.041
Waste Quantity:	82
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5515
Waste Quantity:	3103
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20091231
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091231
Manifest ID:	002685691FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6615
Waste Quantity:	1323
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0456
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091217
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091217
Manifest ID:	002685645FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.9125
Waste Quantity:	1825
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	2/3/2010 18:30:55
Receipt Date:	20091210
Manifest ID:	005863190JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091210
Manifest ID:	002685578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.012
Waste Quantity:	24
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:08
Receipt Date:	20091210
Manifest ID:	002685578FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.607
Waste Quantity:	1214
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000194191
Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.565
Waste Quantity:	7130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.17
Waste Quantity:	340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20141211
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141211
Manifest ID:	007579327FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.9855
Waste Quantity:	11971
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	6/25/2015 22:15:06
Receipt Date:	20141204
Manifest ID:	007579249FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.345
Waste Quantity:	690
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141124
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141124
Manifest ID:	013755933JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.779
Waste Quantity:	205
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	3/27/2015 22:15:05
Receipt Date:	20141120
Manifest ID:	007583637FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141126
Manifest ID:	007583635FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	322 - Biological waste other than sewage sludge
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAR000194191
Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20171228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	11.9545
Waste Quantity:	23909
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171228
Creation Date:	8/27/2018 18:30:14
Receipt Date:	20171228
Manifest ID:	009976727FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171221
Manifest ID:	009976678FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171221
Manifest ID:	009976678FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.4875
Waste Quantity:	10975
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171214
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171214
Manifest ID:	009976606FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	5.0605
Waste Quantity:	10121
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAR000194191

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.179
Waste Quantity:	2358
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111229
Creation Date:	7/19/2012 22:00:21
Receipt Date:	20111229
Manifest ID:	004958764FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.34
Waste Quantity:	680
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.034
Waste Quantity:	68
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111222
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111222
Manifest ID:	004958720FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4785
Waste Quantity:	957
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111215
Creation Date:	3/13/2012 20:30:40
Receipt Date:	20111215
Manifest ID:	004958672FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.318
Waste Quantity:	2636
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111215
Creation Date:	3/16/2012 20:30:47
Receipt Date:	20111219

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Manifest ID:	009011361JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.646
Waste Quantity:	170
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAR000194191
Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.934
Waste Quantity:	1868
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101230
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101230
Manifest ID:	003945993FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.146
Waste Quantity:	292
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2635
Waste Quantity:	527
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.7225
Waste Quantity:	1445
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101216
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101216
Manifest ID:	003945919FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1205
Waste Quantity:	241
Quantity Unit:	P
Additional Code 1:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101209
Creation Date:	3/31/2011 18:30:21

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Receipt Date:	20101209
Manifest ID:	003945843FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.2995
Waste Quantity:	6599
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101202
Creation Date:	3/31/2011 18:30:21
Receipt Date:	20101202
Manifest ID:	003945761FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D040
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0315
Waste Quantity:	63
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000194191
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00992
Waste Quantity:	9
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.87609
Waste Quantity:	795
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799520FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.862
Waste Quantity:	7724

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151231
Creation Date:	6/8/2016 18:32:50
Receipt Date:	20151231
Manifest ID:	008799519FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6215
Waste Quantity:	1243
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790343FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151217
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151217
Manifest ID:	008790345FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.362
Waste Quantity:	16724
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006044
Owner:	Southern California Edison
Permit Number:	PT0002335
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2020

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006044
Owner:	Southern California Edison
Permit Number:	PT0020865
Permit Category:	APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	09/30/2020

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006044
Owner:	Southern California Edison
Permit Number:	PT0002334
Permit Category:	SUPER LARGE QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2020

Name:	SCE REDLANDS SERVICE CENTER
Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0006044

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Owner: Southern California Edison
Permit Number: PT0037275
Permit Category: HAZARDOUS WASTE CONSOLIDATION (NB)
Facility Status: FEE EXEMPT
Expiration Date: 09/30/2017

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0021377
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0021376
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0011880
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0006044
Owner: Southern California Edison
Permit Number: PT0011881
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

CERS:
Name: SCE REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 151580
CERS ID: 10044484
CERS Description: Chemical Storage Facilities

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION. CAR WASH
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Site ID: 151580
Facility Name: SCE Redlands Service Center
Env Int Type Code: HWG
Program ID: 10044484
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.055229
Longitude: -117.200091

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Roslyn Woods
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91770
Affiliation Phone: (626) 302-1212

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91770
Affiliation Phone: (626) 302-1212

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Notification Center
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Roslyn Woods
Entity Title: Consultant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212

HWTS:
Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 92373
EPA ID: CAL000418076
Inactive Date: 06/30/2018
Create Date: 06/13/2016
Last Act Date: 10/04/2018
Mailing Name: Not reported
Mailing Address: PO BOX 800
Mailing Address 2: Not reported

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770

NAICS:
EPA ID: CAL000418076
Create Date: 2016-06-13 11:42:47
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 2016-06-13 11:42:47
Inactive Date: 2018-06-30 00:00:00
Facility Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Facility Address: 287 TENNESSEE ST
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: 36
Facility State: CA
Facility Zip: 92373

Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Address: 287 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923730000
EPA ID: CAR000194191
Inactive Date: Not reported
Create Date: 08/19/2008
Last Act Date: 09/05/2019
Mailing Name: Not reported
Mailing Address: PO BOX 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770

NAICS:
EPA ID: CAR000194191
Create Date: 2009-12-03 12:41:18
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 2008-08-19 11:12:39
Inactive Date: Not reported
Facility Name: SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER
Facility Address: 287 TENNESSEE ST
Facility Address 2: Not reported
Facility City: REDLANDS

SOUTHERN CALIFORNIA EDISON REDLANDS SERVICE CENTER (Continued) **S113178669**

Facility County: 36
Facility State: CA
Facility Zip: 923730000

D20 **SCE-REDLANDS SERVICE CENTER** **AST** **S104905531**
ESE **287 TENNESSEE** **N/A**
< 1/8 **REDLANDS, CA**
0.117 mi.
619 ft. **Site 8 of 13 in cluster D**

Relative: AST:
Higher

Actual: Name:	SCE-REDLANDS SERVICE CENTER
1269 ft. Address:	287 TENNESSEE
City/Zip:	REDLANDS,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	14,700
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

D21 **SCE-REDLANDS** **UST** **U003784749**
ESE **287 TENNESSEE ST** **N/A**
< 1/8 **REDLANDS, CA 92373**
0.117 mi.
619 ft. **Site 9 of 13 in cluster D**

Relative: UST:
Higher

Actual: Name:	SCE-REDLANDS
1269 ft. Address:	287 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	86009045
Permitting Agency:	SAN BERNARDINO COUNTY
Latitude:	34.05527

SCE-REDLANDS (Continued) **U003784749**

Longitude: -117.20006

D22 **SOUTHERN CALIFORNIA EDISON** **SWEEPS UST** **S101591739**
ESE **287 TENNESSEE ST** **HIST UST** **N/A**
< 1/8 **REDLANDS, CA 92373** **CA FID UST**
0.117 mi.
619 ft. **Site 10 of 13 in cluster D**

Relative:
Higher

Actual:
1269 ft.

SWEEPS UST:

Name:	SOUTHERN CALIFORNIA EDISON
Address:	287 TENNESSEE ST
City:	REDLANDS
Status:	Active
Comp Number:	22199
Number:	9
Board Of Equalization:	44-003931
Referral Date:	09-10-91
Action Date:	09-10-91
Created Date:	02-29-88
Owner Tank Id:	234
SWRCB Tank Id:	36-000-022199-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	REDLANDS SERVICE CENTER
Address:	287 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002A6D1
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A6D1.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported
Tank Num:	Not reported
Container Num:	Not reported

SOUTHERN CALIFORNIA EDISON (Continued) **S101591739**

Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 36008797
Regulated By: UTNKA
Regulated ID: 00022199
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8185721801
Mail To: Not reported
Mailing Address: BOX 800 ATN:ENV OPER
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92373
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

E23
ENE
< 1/8
0.122 mi.
644 ft.

CYCLERY USA INC DBA REDLANDS CYCLERY USA **RCRA NonGen / NLR** **1024848808**
415 TENNESSEE ST STE A **CAL000404742**
REDLANDS, CA 92373

Site 1 of 5 in cluster E

Relative:
Higher

Actual:
1266 ft.

RCRA NonGen / NLR:
Date form received by agency: 2015-02-26 00:00:00.0
Facility name: CYCLERY USA INC DBA REDLANDS CYCLERY USA
Facility address: 415 TENNESSEE ST STE A
REDLANDS, CA 92373
EPA ID: CAL000404742
Contact: CRAIG KUNDIG
Contact address: 415 TENNESSEE ST STE A
REDLANDS, CA 92373
Contact country: Not reported
Contact telephone: 909-792-2444
Contact email: ACCOUNTING@CYCLERYUSA.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CRAIG KUNDIG
Owner/operator address: 415 TENNESSEE ST STE A
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-792-2444
Owner/operator email: Not reported

CYCLERY USA INC DBA REDLANDS CYCLERY USA (Continued) **1024848808**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CRAIG KUNDIG
Owner/operator address: 415 TENNESSEE ST STE A
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-792-2444
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

24
North
1/8-1/4
0.132 mi.
699 ft.

CUSTOM MATERIAL SALES (CMS) **San Bern. Co. Permit** **S111311495**
1351 PARK AVE 105 **N/A**
REDLANDS, CA 92373

Relative:
Higher

Actual:
1259 ft.

San Bern. Co. Permit:
Name: CUSTOM MATERIAL SALES (CMS)
Address: 1351 PARK AVE 105
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0014025
Owner: SALTER, MICHAEL
Permit Number: PT0024644
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 10/31/2012

D25 **CENTRUM ANALYTICAL LABORATORIES** **RCRA-SQG** **1000978072**
ESE **290 TENNESSEE ST** **FINDS** **CAD982333262**
1/8-1/4 **REDLANDS, CA 92373** **ECHO**
0.136 mi. **HAZNET**
718 ft. **Site 11 of 13 in cluster D** **HWTS**

Relative: Higher

Actual: 1270 ft.

RCRA-SQG:

Date form received by agency:	1997-04-04 00:00:00.0
Facility name:	CENTRUM ANALYTICAL LABORATORIES
Facility address:	290 TENNESSEE ST REDLANDS, CA 92373
EPA ID:	CAD982333262
Mailing address:	TENNESSEE ST REDLANDS, CA 92373
Contact:	ROBERT CLARK
Contact address:	290 TENNESSEE ST REDLANDS, CA 92373
Contact country:	US
Contact telephone:	909-798-9336
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CENTRUM ANALYTICAL LABORATORIES
Owner/operator address:	290 TENNESSEE ST REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-798-9336
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Violation Status: No violations found

FINDS:
Registry ID: 110002795725
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002795725

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000978072
Registry ID: 110002795725
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002795725
Name: CENTRUM ANALYTICAL LABORATORIES
Address: 290 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373

HAZNET:
Name: CENTRUM ANALYTICAL LABORATORIES
Address: 290 TENNESSEE ST
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923730000
Contact: ROBERT R CLARK
Telephone: 9097989336
Mailing Name: Not reported
Mailing Address: 1401 RESEARCH PARK DR

Year: 2001
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: -
Tons: 0.417

Year: 2001
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 711 - Liquids with cyanides >= 1,000 Mg./L
Disposal Method: -
Tons: 0.0417

Year: 2001
Gepaid: CAD982333262
TSD EPA ID: CAD044429835
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: D99 - Disposal, Other
Tons: 0.001

Year: 2001

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: -
Tons: 0.4775

Year: 2001
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: -
Tons: 0.2085

Year: 2001
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: 1

Year: 2000
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: 2.4

Year: 2000
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: -
Tons: 1.5429

Year: 1999
Gepaid: CAD982333262
TSD EPA ID: AZD980892731
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: 5.55

Year: 1999
Gepaid: CAD982333262
TSD EPA ID: CAD097030993
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: R01 - Recycler
Tons: 0.2085

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2001
Gen EPA ID: CAD982333262

Shipment Date: 20010130

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010130
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407474
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Disposal Method:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407342
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Disposal Method:	- Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Disposal Method:	- Not reported
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407345
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407343
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U044
Disposal Method:	- Not reported
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010118
Creation Date:	3/22/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20407344
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD982333262
Shipment Date:	19971110
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	96687152
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971110
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971118
Manifest ID:	96687153
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970818
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970820
Manifest ID:	96364381
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970307
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970317
Manifest ID:	96039614
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970307
Creation Date:	6/26/1997 0:00:00

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Receipt Date:	19970311
Manifest ID:	96039613
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970217
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970219
Manifest ID:	96363989
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD982333262

Shipment Date:	20001020
Creation Date:	2/1/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	20404983
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000804
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99703069
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000804
Creation Date:	9/25/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99703070
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	2

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Waste Quantity:	4000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000510
Creation Date:	6/21/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99707931
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000215
Creation Date:	4/4/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99708815
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000215

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Creation Date:	4/4/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99708814
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD982333262
Shipment Date:	19931222
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931228
Manifest ID:	93043771
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931201
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931228
Manifest ID:	93045535
Trans EPA ID:	CAD980585293
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.221
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931012
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931105
Manifest ID:	92754241
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931012
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931026
Manifest ID:	92754238
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930803
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930812
Manifest ID:	92755640
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930603
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930621
Manifest ID:	92753726
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Shipment Date:	19930416
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	92754406
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930305
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930315
Manifest ID:	92754866
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD982333262

Shipment Date:	19951018
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951020
Manifest ID:	95340854
Trans EPA ID:	CAD980585293

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950831
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950907
Manifest ID:	95339853
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950822
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950824
Manifest ID:	95339766
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950822
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950824
Manifest ID:	95339766
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000088252
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950731
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950801
Manifest ID:	95328362
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Shipment Date:	19950613
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950619
Manifest ID:	93626762
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950613
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950619
Manifest ID:	93626761
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950309
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950310
Manifest ID:	93043525
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950309
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950314
Manifest ID:	93043524
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950307
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950314
Manifest ID:	93644241
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD982333262
Shipment Date:	19981217
Creation Date:	3/1/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	96040196
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981217
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	96040195
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980924
Creation Date:	12/10/1998 0:00:00
Receipt Date:	19981001
Manifest ID:	98245164
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980611
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980617
Manifest ID:	97262784
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2251
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980130
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980205
Manifest ID:	97262889
Trans EPA ID:	CAD980585293
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2251
Waste Quantity:	54
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD982333262
Shipment Date:	19941230
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19950109
Manifest ID:	93045674
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941014
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941021
Manifest ID:	93624198
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.7079
Waste Quantity:	0.84
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.018
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940812
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940816
Manifest ID:	93026946
Trans EPA ID:	CAD087169686
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940524
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940531
Manifest ID:	93627170

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940407
Creation Date:	3/25/1996 0:00:00
Receipt Date:	Not reported
Manifest ID:	93045001
Trans EPA ID:	CAL000121731
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940124
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940202
Manifest ID:	93043945
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

RCRA Code:	D002
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD982333262
Shipment Date:	19961125
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961202
Manifest ID:	96039500
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960806
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960808
Manifest ID:	95738310
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960806
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960813
Manifest ID:	95738309
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960716
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960719
Manifest ID:	96040084
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960611
Creation Date:	5/30/1997 0:00:00

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Receipt Date:	19960613
Manifest ID:	95738013
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960305
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960313
Manifest ID:	95738683
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960108
Creation Date:	10/9/1996 0:00:00
Receipt Date:	19960109
Manifest ID:	95738943
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD982333262
Shipment Date:	19991029
Creation Date:	12/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99420836
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991029
Creation Date:	12/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	95737477
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2293

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990920
Creation Date:	11/16/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99421061
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990920
Creation Date:	11/16/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99421061
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990802

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Creation Date:	9/1/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99427902
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990802
Creation Date:	9/1/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	99427902
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990611
Creation Date:	7/19/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98895915
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990611
Creation Date:	7/19/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98895915
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990401
Creation Date:	5/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98892262
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported

CENTRUM ANALYTICAL LABORATORIES (Continued) **1000978072**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990401
Creation Date:	5/17/1999 0:00:00
Receipt Date:	Not reported
Manifest ID:	98892262
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CENTRUM ANALYTICAL LABORATORIES
Address:	290 TENNESSEE ST
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAD982333262
Inactive Date:	06/30/2002
Create Date:	12/21/1987
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	1401 RESEARCH PARK DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RIVERSIDE, CA 925070000
Owner Name:	ROBERT R CLARK
Owner Address:	290 TENNESSEE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923730000
Contact Name:	ROBERT R CLARK
Contact Address:	INACTIVE PER VQ01 - BMI
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923750000

F26 **REDLANDS COLOR LAB** **San Bern. Co. Permit** **S104769461**
NE **461 TENNESSEE ST F** **N/A**
1/8-1/4 **REDLANDS, CA 92374**
0.137 mi.
722 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
1269 ft.

San Bern. Co. Permit:

Name:	REDLANDS COLOR LAB
Address:	461 TENNESSEE ST F
City,State,Zip:	REDLANDS, CA 92374
Region:	SAN BERNARDINO
Facility ID:	FA0005635
Owner:	PROFESSIONAL PHOTO SYSTEM
Permit Number:	PT0004103
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	07/31/2007

D27 **WESLEY RAY AND SON INC** **HIST UST** **U001575492**
East **300 TENNESSEE ST** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.138 mi.
728 ft. **Site 12 of 13 in cluster D**

Relative:
Higher

Actual:
1270 ft.

HIST UST:

Name:	WESLEY RAY AND SON INC
Address:	300 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
File Number:	0002AA4A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AA4A.pdf
Region:	STATE
Facility ID:	00000048902
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7147922208
Owner Name:	WESLEY RAY & SON, INC.
Owner Address:	300 TENNESSEE ST.
Owner City,St,Zip:	REDLANDS, CA 92373
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	1962
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002

WESLEY RAY AND SON INC (Continued) **U001575492**

Container Num:	2
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

San Bern. Co. Permit:

Name:	WESLEY RAY AND SON INC
Address:	300 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0007250
Owner:	WESLEY RAY AND SON INC
Permit Number:	PT0007994
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	05/31/2011

D28 **RCRA NonGen / NLR** **1025859793**
East **300 TENNESSEE ST** **CAC003040372**
1/8-1/4 **REDLANDS, CA 92373**
0.138 mi.
728 ft. **Site 13 of 13 in cluster D**

Relative:
Higher

Actual:
1270 ft.

RCRA NonGen / NLR:

Date form received by agency:	2019-10-24 00:00:00.0
Facility name:	Not reported
Facility address:	300 TENNESSEE ST REDLANDS, CA 92373-8170
EPA ID:	CAC003040372
Mailing address:	NYS/NEW, LLC REDLANDS, CA 92375
Contact:	VERONICA BURGESS
Contact address:	PO BOX 7538 REDLANDS, CA 92375
Contact country:	Not reported
Contact telephone:	909-793-2853
Contact email:	VBURGESS@ESRI.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	VERONICA BURGESS

(Continued) **1025859793**

Owner/operator address: PO BOX 7538
REDLANDS, CA 92375
Owner/operator country: Not reported
Owner/operator telephone: 909-793-2853
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYS/ NEW, LLC
Owner/operator address: PO BOX 7538
REDLANDS, CA 92375
Owner/operator country: Not reported
Owner/operator telephone: 909-793-2853
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G29 **SOUTHERN CA FLEET SERVICES INC** **RCRA NonGen / NLR** **1024849006**
NNE **1270 W PARK AVE BLDG F** **CAL000405115**
1/8-1/4 **REDLANDS, CA 92373**
0.147 mi.
775 ft. **Site 1 of 4 in cluster G**

Relative:
Higher

Actual:
1266 ft.

RCRA NonGen / NLR:
Date form received by agency: 2015-03-11 00:00:00.0
Facility name: SOUTHERN CA FLEET SERVICES INC
Facility address: 1270 W PARK AVE BLDG F
REDLANDS, CA 92373-8112
EPA ID: CAL000405115
Mailing address: 2855 SAMPSON AVE
CORONA, CA 92879-0000

SOUTHERN CA FLEET SERVICES INC (Continued) **1024849006**

Contact: TONI CASH
Contact address: 11752 HESPERIA
HESPERIA, CA 92345-0000
Contact country: Not reported
Contact telephone: 760-949-1968
Contact email: TCASH@SOCALFLEET.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SOUTHERN CAL FLEET SERVICES INC
Owner/operator address: 2855 SAMPSON AVE
CORONA, CA 92879
Owner/operator country: Not reported
Owner/operator telephone: 951-272-8655
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: TONI CASH
Owner/operator address: 11752 HESPERIA
HESPERIA, CA 92345
Owner/operator country: Not reported
Owner/operator telephone: 760-949-1968
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G30 **REDLANDS CITY** **CERS HAZ WASTE** **S106838120**
NNE **1270 W PARK AVE** **CERS TANKS** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **EMI**
0.147 mi. **San Bern. Co. Permit**
775 ft. **Site 2 of 4 in cluster G** **CERS**

Relative:
Higher

Actual:
1266 ft.

CERS HAZ WASTE:
Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 60994
CERS ID: 10037302
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 60994
CERS ID: 10037302
CERS Description: Underground Storage Tank

EMI:
Name: REDLANDS CITY
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 29454
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: REDLANDS CITY
Address: 1270 W PARK AV
City,State,Zip: REDLANDS, CA 92373
Year: 1995
County Code: 36
Air Basin: SC
Facility ID: 29454
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1

REDLANDS CITY (Continued) **S106838120**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

San Bern. Co. Permit:
Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0039829
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003464
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011082
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011083
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011084

REDLANDS CITY (Continued) **S106838120**

Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003463
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0021424
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0003465
Permit Category: CE ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 10/31/2009

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011085
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011086
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE

REDLANDS CITY (Continued) **S106838120**

Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011087
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011088
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002002
Owner: CITY OF REDLANDS
Permit Number: PT0011089
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2005

CERS:
Name: REDLANDS CORP YRD
Address: 1270 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 60994
CERS ID: 10037302
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 02-10-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/11/2015. OBSERVATION: THE CERS UST Tank Information/Monitoring Plan - Tank ID # 1 , 2 & 3 INFORMATION HAD NOT BEEN SUBMITTED . COMPLIANCE REQUIREMENT: SUBMIT UST Tank Information/Monitoring Plan - Tank ID # 1 ,2 & 3 TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM.
Violation Division: San Bernardino County Fire Department

REDLANDS CITY (Continued) **S106838120**

Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-21-2018
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes: Returned to compliance on 01/18/2019. OBSERVATION: Inaccurate UST Tank information for Owner/Operator Agreement. Designated Operator form was uploaded instead of Owner/Operator agreement. CORRECTIVE ACTION: Update UST information via CERS: If Tank Owner/Operator are the same, it should be listed G EXEMPTG .
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-08-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 08/21/2017. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) OBSERVATION: THE UST MONITORING PLANS MUST BE CORRECTED PRIOR TO BEING ACCEPTED INTO THE SYSTEM. CORRECT THE FOLLOWING: 1.) UPDATE THE ANNULAR SENSOR MODEL TO REFLECT THE CORRECT MODEL USED: 409 (NOT 420)-ALL TANKS. 2.) CHECK "YES" DESIGNATED OPERATOR TRAINING-ALL TANKS. 3.) SUBMIT A UST SITE MONITORING MAP THAT CONTAINS THE TANK LOCATION, SIZE AND CONTENTS, THE UNDERGROUND PIPING LAYOUT, THE UDC LOCATIONS AND ALL MONITORING EQUIPMENT USED. INCLUDE THE LOCATION OF THE EMERGENCY SHUT-OFF SWITCH AND MONITORING PANEL. REQUIREMENT: WITHIN 30 DAYS, UPDATE THE MONITORING PLANS TO INCLUDE THE ABOVE NOTED INFORMATION WITH A COMPLETE A UST SITE PLAN AND SUBMIT TO CERS. UPON COMPLETION, SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-16-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 12/17/2013. THE BUSINESS PLAN HAS NOT BEEN SUBMITTED TO CERS AND SHOULD HAVE BEEN BY 10/31/13 (PERMIT EXPIRATION DATE). SUBMIT THE BUSINESS PLAN TO CERS BY 12/31/13.
Violation Division: San Bernardino County Fire Department

REDLANDS CITY (Continued) **S106838120**

Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-08-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 08/21/2017. OBSERVATION: THE TANK INFORMATION SUBMITTED TO CERS REQUIRES MULTIPLE CORRECTIONS PRIOR TO BEING ACCEPTED INTO THE SYSTEM. CORRECT THE FOLLOWING: 1.) UPDATE THE PIPING SYSTEM TYPE TO IDENTIFY THE PIPING AS "PRESSURE" (NOT CONVENTIONAL SUCTION)-ALL TANKS. 2.) UPDATE THE PIPING/TURBINE CONTAINMENT SUMPS AS SINGLE-WALLED (NOT DOUBLE-WALLED)-ALL TANKS. 3.) UPDATE THE VENT PIPING SECTION TO REFLECT THE PRIMARY AS "FIBERGLASS" (NOT STEEL)-TANK 1 AND 2. 4.) UPDATE THE VENT PIPING SECTION TO REFLECT THE SECONDARY AS "FIBERGLASS" (NOT STEEL)-TANK 3. 5.) UPDATE THE RISER CONTAINMENT SECTION TO IDENTIFY THE PRIMARY CONTAINMENT AS "STEEL" AND THE SECONDARY CONTAINMENT AS "FIBERGLASS"-ALL TANKS. 6.) UPDATE THE UDC CONSTRUCTION SECTION TO IDENTIFY THE TYPE AS "SINGLE-WALLED" (NOT DOUBLE WALLED)-ALL TANKS. 7.) REMOVE THE IDENTIFICATION OF VAPOR RECOVERY PIPING FOR TANK 3 (DIESEL IS NOT CONNECTED TO VAPOR RECOVERY PIPING) REQUIREMENT: WITHIN 30 DAYS, UPDATE THE TANK INFORMATION [Truncated]
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-01-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler’s operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 01/18/2019. Violation Observed: Current Certificate of Fianancial Responsibilty not uploaded in CERS. Corrective Action: Upload Current document in CERS. Violation Observed: Current Owner/DO Statement not uploaded in CERS. Corrective action: Upload current document in CERS. Violation Observed: UST Site Plan does not correctly reflect turbine and fuel line location. Corrective Action: Fill Sump L4 contains turbine supplyiny despensers 11 and 12. Make required corrections within 30 days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	02-10-2015

REDLANDS CITY (Continued) **S106838120**

Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/11/2015. OBSERVATION: THE SUBMITTED DOCUMENTATION EXPIRED 07/01/2014. COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-01-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 01/18/2019. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) *UST Monitoring/Response Plans, Evidence of Financial Responsibility, UST D.O. Statement/Agreement, UST Permit Application with Tank Forms submitted on line in CERS not current or correct. Corrective action Required: UST DO Statement/Agreement requires amendment to reflect change in DO to Fuel Serv. And entry in CERS., Certificate of Financial Responsibility requires download to CERS. UST Monitoring Site Plan requires amendment to indicate turbine location in L4 Fill feeding dispensers 11 and 12. Make required corrections within 30 days
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	11-19-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/05/2017. INVENTORY INCOMPLETE
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	60994
Site Name:	REDLANDS CORP YRD
Violation Date:	12-16-2013
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 12/20/2013. THE SERVICE TECHNICIAN DID NOT

REDLANDS CITY (Continued) **S106838120**

HAVE A CURRENT CERTIFICATION TO TEST THE BEAUDREAU SENSORS IN THE UDCS. PLEASE SCHEDULE A RE-INSPECTION TO TEST THE BEAUDREAU SENSORS WITHIN 15 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-21-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/09/2019. OBSERVATION: Inaccurate UST Tank Information on CERS. CORRECTIVE ACTION: Update and submit accurate UST Tank Information via CERS: 1. Tank Install Date should be 05/01/1987. 2. Under Corrosion Protection, isolation should be marked G YESG . 3. Vapor Recovery Secondary Containment should be G FIBERGLASSG for tank #1 and #2 (Unlead).
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 11-19-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 01/05/2017. INVENTORY INCOMPLETE
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-21-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention

REDLANDS CITY (Continued) **S106838120**

equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 01/18/2019. OBSERVATION: Overfill Prevention Equipment testing was not conducted every 36 months. CORRECTIVE ACTION: As of October 13, 2018, Overfill Prevention Equipment must be tested every 36 months. Contact the OFM office to schedule an appointment within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-08-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/21/2017. OBSERVATION: THE CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR) ON RECORD IDENTIFIES AN EXPIRED PERIOD OF COVERAGE (7/1/15). REQUIREMENT: WITHIN 30 DAYS; UPDATE THE CFR WITH THE CURRENT POLICY COVERAGE DATES AND RESUBMIT TO CERS. UPON COMPLETION, SIGN AND RETURN THE CERTIFICATE OF COMPLIANCE TO JKOOYMAN@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-16-2013
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 12/30/2013. THE CERTIFICATION OF FINANCIAL RESPONSIBILITY ON SITE WAS NOT CURRENT. PLEASE MAINTAIN A CURRENT FINANCIAL RESPONSIBILITY DOCUMENT ON SITE AND SUBMIT IT TO CERS BY 12/31/13.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-16-2013
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7,

REDLANDS CITY (Continued) **S106838120**

Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 12/16/2013. THERE WAS WATER IN THE 87 FILL SUMP. KEEP SUMPS CLEAN AND DRY AT ALL TIMES. THE WATER WAS REMOVED TODAY-VIOLATION CORRECTED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Violation Date: 12-09-2015
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 12/09/2015. OBSERVATION: THE EAST-87 ANNULAR SENSOR FAILED. COMPLIANCE MET ON SITE: TECHNICIAN REPLACED AND RE-TESTED- PASSED
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST FIELD INSPECTION AND CERS REVIEW-ANNUAL MONITORING SYSTEM CERTIFICATION (3 TANKS) W/KEVIN NELSON
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REDLANDS CORP YARD- UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2017

REDLANDS CITY (Continued) **S106838120**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	FA0002002 Redlands Corp Yard UST Handler
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	REDLANDS CORP YARD- UST INSPECTION & UST MONITORING INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-29-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	FA0002002 Redlands Corp yard Annual inspection, monitoring Cert With CERS review)
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-07-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

REDLANDS CITY (Continued) **S106838120**

Eval Notes: RETEST OF THE SHEAR VALVE. PERMIT # SR0177752
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: " "
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: REDLANDS CORP YARD 1270 W PARK AVE REDLANDS
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-20-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOW UP INSPECTION TO THE ANNUAL CERTIFICATION PERFORMED IN 12/16/13. ORIGINAL TECHNICIAN DID NOT POSSESS THE PROPER CERTIFICATION TO TEST THE UDC BEAUDREAU SENSORS. CERTIFICATIONS CONFIRMED DURING RE-TEST. ALL PASSED (TRIPPED SERVO AT DISPENSER/ELIMINATED FLOW)
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-10-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-19-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

REDLANDS CITY (Continued) **S106838120**

Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-08-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-16-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 60994
Site Name: REDLANDS CORP YRD
Site Address: 1270 W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 12-16-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

REDLANDS CITY (Continued) **S106838120**

Coordinates:

Site ID:	60994
Facility Name:	REDLANDS CORP YRD
Env Int Type Code:	HWG
Program ID:	10037302
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.059275
Longitude:	-117.201666

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Monica Duran
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Timothy Sullivan
Entity Title:	Not reported
Affiliation Address:	PO BOX 3005
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1270 PARK AVE
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373-0629
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	REDLANDS CORP YRD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	PO Box 3005
Affiliation City:	Redlands

REDLANDS CITY (Continued) **S106838120**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Identification Signer
Entity Name:	Monica Duran
Entity Title:	Senior Administrative Assistant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	1270 WEST PARK AVE
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7567
Affiliation Type Desc:	Operator
Entity Name:	Timothy Sullivan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 798-7655
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Ashley Claire Johnson
Entity Title:	Project Assistant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 798-7655
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	City of Redlands

REDLANDS CITY (Continued) **S106838120**

Entity Title:	Not reported
Affiliation Address:	PO Box 3005
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655
Affiliation Type Desc:	UST Tank Operator
Entity Name:	CITY OF REDLANDS
Entity Title:	Not reported
Affiliation Address:	PO BOX 3005
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 798-7655

G31 **REDLANDS CORP YRD** **UST** **U003784986**
NNE **1270 W PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.147 mi.
775 ft. **Site 3 of 4 in cluster G**

Relative: **Higher**
Actual: **1266 ft.**

UST:

Name:	CI-REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	87014146
Permitting Agency:	SAN BERNARDINO COUNTY
Latitude:	34.0608277
Longitude:	-117.2000274
Name:	REDLANDS CORP YRD
Address:	1270 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	FA0002002
Permitting Agency:	San Bernardino County Fire Department
Latitude:	34.059361
Longitude:	-117.201658

G32 **REDLANDS CORPORATE YARD** **LUST** **S101591433**
NNE **1270 PARK AVE** **SWEEPS UST** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CA FID UST**
0.147 mi. **HIST CORTESE**
775 ft. **Site 4 of 4 in cluster G** **CERS**

Relative: **Higher**
Actual: **1266 ft.**

LUST:

Name:	REDLANDS CORPORATE YARD
Address:	1270 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100594
Global Id:	T0607100594

REDLANDS CORPORATE YARD (Continued) **S101591433**

Latitude:	34.059252
Longitude:	-117.2016269
Status:	Completed - Case Closed
Status Date:	06/14/2000
Case Worker:	Not reported
RB Case Number:	083603526T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	99100
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607100594
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	valerie.jahn-bull@waterboards.ca.gov
Phone Number:	9517824903

LUST:

Global Id:	T0607100594
Action Type:	Other
Date:	05/14/1999
Action:	Leak Reported

Global Id:	T0607100594
Action Type:	ENFORCEMENT
Date:	06/14/2000
Action:	Closure/No Further Action Letter

Global Id:	T0607100594
Action Type:	Other
Date:	04/15/1999
Action:	Leak Discovery

Global Id:	T0607100594
Action Type:	Other
Date:	04/15/1999
Action:	Leak Stopped

LUST:

Global Id:	T0607100594
Status:	Open - Case Begin Date
Status Date:	04/15/1999

Global Id:	T0607100594
Status:	Open - Site Assessment
Status Date:	05/14/1999

Global Id:	T0607100594
Status:	Completed - Case Closed
Status Date:	06/14/2000

REDLANDS CORPORATE YARD (Continued) **S101591433**

LUST REG 8:

Name:	REDLANDS CORPORATE YARD
Address:	1270 PARK AVE
City:	REDLANDS
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083603526T
Local Case Num:	99100
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	TENNESSEE
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0607100594
How Stopped Date:	4/15/1999
Enter Date:	9/1/1999
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	4/15/1999
Enforcement Date:	Not reported
Close Date:	6/14/2000
Date Prelim Assessment Workplan Submitted:	5/14/1999
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/1/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0592856
Longitude:	-117.2017634
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported

REDLANDS CORPORATE YARD (Continued) **S101591433**

Cleanup Fund Id: Not reported
Work Suspended: No
Summary: Not reported

SWEEPS UST:
Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000001
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: 8

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000002
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000003

REDLANDS CORPORATE YARD (Continued) **S101591433**

Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000004
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000005
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92

REDLANDS CORPORATE YARD (Continued) **S101591433**

Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000006
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000007
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CITY OF REDLANDS CORP YARD
Address: 1270 PARK AVE
City: REDLANDS
Status: Active
Comp Number: 14146
Number: 4
Board Of Equalization: 44-020540
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-07-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-014146-000008
Tank Status: A
Capacity: 1
Active Date: 09-07-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36007694
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported

REDLANDS CORPORATE YARD (Continued) **S101591433**

Facility Phone: Not reported
Mail To: Not reported
Mailing Address: PO BOX 2090
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 923730629
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: REDLANDS CORPORATE YARD
edr_fadd1: 1270
City,State,Zip: REDLANDS, CA 92373
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083603526T

CERS:
Name: REDLANDS CORPORATE YARD
Address: 1270 PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 196948
CERS ID: T0607100594
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903

H33 **PLANT 1** **US MINES** **1025442769**
WNW **410 MISSOURI COURT** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.154 mi.
811 ft. **Site 1 of 4 in cluster H**

Relative:
Lower

Actual:
1243 ft.

MINES VIOLATIONS:
Name: PLANT 1
Address: 410 MISSOURI COURT
City,State,Zip: REDLANDS, CA 92373
Facility ID: Not reported

MINES VIOLATIONS:
Violation Number: 8781525
Mine ID: 0405853
Contractor ID: Not reported

PLANT 1 (Continued) **1025442769**

Date Issued:	10/07/2014
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/08/2014
Title 30 Code of Federal Regulations:	56.14107(a)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2014
Address Type:	MineLocation
PO Box:	Not reported
Address:	410 MISSOURI COURT
City:	REDLANDS
State:	CA
Operator:	Talon Services Inc.
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8781526
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/07/2014
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/08/2014
Title 30 Code of Federal Regulations:	56.9301
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2014
Address Type:	MineLocation
PO Box:	Not reported
Address:	410 MISSOURI COURT
City:	REDLANDS
State:	CA
Operator:	Talon Services Inc.
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC

PLANT 1 (Continued) **1025442769**

Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874734
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/14/2016
Title 30 Code of Federal Regulations:	56.11001
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874735
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/06/2016
Title 30 Code of Federal Regulations:	56.9300(b)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC

PLANT 1 (Continued) **1025442769**

Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874736
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	10/06/2016
Title 30 Code of Federal Regulations:	56.11002
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO
Violation Number:	8874737
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(g)(1)
Type of Issue:	Order
S and S:	N
Term Date:	10/07/2016
Title 30 Code of Federal Regulations:	46.8(a)(2)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported

PLANT 1 (Continued) **1025442769**

Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8874738
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/06/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/11/2016
Title 30 Code of Federal Regulations:	56.12028
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8874739
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	10/07/2016
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y

PLANT 1 (Continued) **1025442769**

Term Date:	10/07/2016
Title 30 Code of Federal Regulations:	56.20003(a)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2016
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	08/06/2012
Mine Status:	Active
Status Date:	10/01/2015
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8994672
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	5/18/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	5/19/2017
Title 30 Code of Federal Regulations:	56.14132(b)(1)(i)
Proposed Penalty:	116.00
Assessment Amount:	116.00
Paid Penalty Amount:	116.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012
Mine Status:	Abandoned
Status Date:	3/5/2018
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

PLANT 1 (Continued) **1025442769**

Violation Number:	8994673
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	5/18/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	5/23/2017
Title 30 Code of Federal Regulations:	56.14110
Proposed Penalty:	116.00
Assessment Amount:	116.00
Paid Penalty Amount:	116.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012
Mine Status:	Abandoned
Status Date:	3/5/2018
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Violation Number:	8995105
Mine ID:	0405853
Contractor ID:	Not reported
Date Issued:	11/2/2017
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/2/2017
Title 30 Code of Federal Regulations:	56.12008
Proposed Penalty:	492.00
Assessment Amount:	492.00
Paid Penalty Amount:	492.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2017
Address Type:	MineLocation
PO Box:	Not reported
Address:	602 AMIGOS DRIVE #C
City:	REDLANDS
State:	CA
Operator:	Aggrecon LLC
Zip:	92373
Mine Controller Name:	T J Lamb
Name:	PLANT 1
Ownership Date:	8/6/2012

PLANT 1 (Continued) **1025442769**

Mine Status:	Abandoned
Status Date:	3/5/2018
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN BERNARDINO

Click this hyperlink while viewing on your computer to access
4 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

E34 **DUTCH GIRL CLEANERS** **CERS HAZ WASTE** **S121695140**
ENE **414 TENNESSEE ST STE K** **DRYCLEANERS** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.156 mi. **CERS**
822 ft. **Site 2 of 5 in cluster E**

Relative:
Higher

Actual:
1270 ft.

CERS HAZ WASTE:

Name:	DUTCH GIRL CLEANERS
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 92373
Site ID:	113024
CERS ID:	10047292
CERS Description:	Hazardous Waste Generator

DRYCLEAN SOUTH COAST:

Name:	DUTCH GIRL CLEANERS
Address:	414 TENNESSEE AVE STE K
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	134867
Application Number:	409724
Permit Number:	F57420
Status:	O
Representative Name:	SHIRAZALI JIVANI
Representative Telephone:	909 7923630
Permit Status:	INACT_NR
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0

San Bern. Co. Permit:

Name:	DUTCH GIRL CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0007665
Owner:	MARICELA AVINA GONZALEZ
Permit Number:	PT0013183
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	02/28/2020

Name:	DUTCH GIRL CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K

DUTCH GIRL CLEANERS (Continued) **S121695140**

City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0007665
Owner: MARICELA AVINA GONZALEZ
Permit Number: PT0013182
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 02/28/2020

CERS:
Name: DUTCH GIRL CLEANERS
Address: 414 TENNESSEE ST STE K
City,State,Zip: REDLANDS, CA 92373
Site ID: 113024
CERS ID: 10047292
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to operate and maintain facility to prevent a fire, spill or release (CCR 66265.31)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/01/2017. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017

DUTCH GIRL CLEANERS (Continued) **S121695140**

Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 05/22/2017. Failure to train facility personnel in hazardous waste management procedures (CCR 66265.16) Employee training not conducted.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/22/2017. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Observed unlabeled hazardous waste container.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	02-14-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 03/14/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/14/2017. Business plan not annually reviewed and electronically certified as complete an accurate.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	113024
Site Name:	DUTCH GIRL CLEANERS
Violation Date:	03-01-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/22/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Observed hazardous waste

DUTCH GIRL CLEANERS (Continued) **S121695140**

container without accumulation start date.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a)) Observed open container of hazardous waste.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 03/14/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2014. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 02-14-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/14/2015. Failure to keep hazardous waste containers closed when not in active use (CCR 66265.173(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

DUTCH GIRL CLEANERS (Continued) **S121695140**

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/14/2017. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID number inactive.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Observed incomplete hazardous waste label.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a)) Hazardous waste disposal records not available for review.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Violation Date: 03-01-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/22/2017. Failure to manage hazardous waste lawfully (CHSC 25154) Hazardous waste not managed lawfully.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency

DUTCH GIRL CLEANERS (Continued) **S121695140**

Eval Notes: Routine Inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION OF DUTCH GIRL CLEANERS.
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION OF DUTCH GIRL CLEANERS.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 02-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW

DUTCH GIRL CLEANERS (Continued) **S121695140**

Enf Action Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 113024
Site Name: DUTCH GIRL CLEANERS
Site Address: 414 TENNESSEE ST STE K
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 03-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Maricela Avina
Entity Title: Not reported
Affiliation Address: 414 Tennessee st suite k
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 414 Tennessee st suite k
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Maricela Avina
Entity Title: Not reported
Affiliation Address: 414 Tennessee st suite k
Affiliation City: Redlands
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92373

DUTCH GIRL CLEANERS (Continued) **S121695140**

Affiliation Phone:	(909) 792-3630
Affiliation Type Desc:	Operator
Entity Name:	Maricela Avina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 312-9865
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Identification Signer
Entity Name:	Maricela Avina
Entity Title:	Business Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	DUTCH GIRL CLEANERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E35 **X-CELL LABORATORIES INC** **San Bern. Co. Permit** **S109433762**
ENE **414 TENNESSEE ST STE H** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.156 mi.
822 ft. **Site 3 of 5 in cluster E**

Relative:
Higher

Actual:
1270 ft.

San Bern. Co. Permit:

Name:	X-CELL LABORATORIES INC
Address:	414 TENNESSEE ST STE H
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0013591
Owner:	X-CELL LABORATORIES INC
Permit Number:	PT0023851
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL

X-CELL LABORATORIES INC (Continued) **S109433762**

Facility Status: ACTIVE
Expiration Date: 10/31/2020

Name: X-CELL LABORATORIES INC
Address: 414 TENNESSEE ST STE H
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0013591
Owner: X-CELL LABORATORIES INC
Permit Number: PT0038350
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: FEE EXEMPT
Expiration Date: 10/31/2018

E36 **DUTCH GIRL DRY CLEANERS & LAUNDRY** **DRYCLEANERS** **S111075464**
ENE **414 TENNESSEE ST STE K** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **HWTS**
0.156 mi.
822 ft. **Site 4 of 5 in cluster E**

Relative: **Higher**
Actual: **1270 ft.**

DRYCLEANERS:
Name: DUTCH GIRL DRY CLEANERS & LAUNDRY
Address: 414 TENNESSEE ST STE K
City,State,Zip: REDLANDS, CA 923738152
EPA Id: CAL000267327
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 03/06/2003
Facility Active: No
Inactive Date: 06/30/2017
Facility Addr2: Not reported
Owner Name: SHIRAZALI JIVANI
Owner Address: 414 TENNESSEE ST STE K
Owner Address 2: Not reported
Owner Telephone: 9097923630
Contact Name: SHIRAZALI JIVANI
Contact Address: 414 TENNESSEE ST STE K
Contact Address 2: Not reported
Contact Telephone: 9097923630
Mailing Name: Not reported
Mailing Address 1: 414 TENNESSEE ST STE K
Mailing Address 2: Not reported
Mailing City: REDLANDS
Mailing State: CA
Mailing Zip: 923738152
Owner Fax: 9097934513
Region Code: 4

HAZNET:
Name: DUTCH GIRL DRY CLEANERS & LAUNDRY
Address: 414 TENNESSEE ST STE K
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738152
Contact: SHIRAZALI JIVANI
Telephone: 9097923630

DUTCH GIRL DRY CLEANERS & LAUNDRY (Continued) **S111075464**

Mailing Name: Not reported
Mailing Address: 414 TENNESSEE ST STE K

Year: 2003
Gepaid: CAL000267327
TSD EPA ID: CAD008302903
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: -
Tons: Not reported

Year: 2003
Gepaid: CAL000267327
TSD EPA ID: CAD008302903
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.08

Additional Info:
Year: 2003
Gen EPA ID: CAL000267327

Shipment Date: 20030305
Creation Date: 5/19/2003 18:32:02
Receipt Date: 20030306
Manifest ID: 22218299
Trans EPA ID: CAR000036921
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.08
Waste Quantity: 160
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030305
Creation Date: 5/19/2003 18:32:02
Receipt Date: 20030306
Manifest ID: 22218299
Trans EPA ID: CAR000036921
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903

DUTCH GIRL DRY CLEANERS & LAUNDRY (Continued) **S111075464**

TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Address:	414 TENNESSEE ST STE K
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738152
EPA ID:	CAL000267327
Inactive Date:	06/30/2017
Create Date:	03/06/2003
Last Act Date:	03/14/2017
Mailing Name:	Not reported
Mailing Address:	414 TENNESSEE ST STE K
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738152
Owner Name:	SHIRAZALI JIVANI
Owner Address:	414 TENNESSEE ST STE K
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923738152
Contact Name:	SHIRAZALI JIVANI
Contact Address:	414 TENNESSEE ST STE K
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738152

NAICS:

EPA ID:	CAL000267327
Create Date:	2003-03-06 12:29:41
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date:	2003-03-06 12:29:41
Inactive Date:	2017-06-30 00:00:00
Facility Name:	DUTCH GIRL DRY CLEANERS & LAUNDRY
Facility Address:	414 TENNESSEE ST STE K
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	923738152

E37 **X-CELL LABORATORIES INC** **RCRA NonGen / NLR** **1024813423**
ENE **414 TENNESSEE ST STE H** **CAL000304012**
1/8-1/4 **REDLANDS, CA 92373**
0.156 mi.
822 ft. **Site 5 of 5 in cluster E**

Relative:
Higher

Actual:
1270 ft.

RCRA NonGen / NLR:

Date form received by agency:	2006-03-02 00:00:00.0
Facility name:	X-CELL LABORATORIES INC
Facility address:	414 TENNESSEE ST STE H REDLANDS, CA 92373
EPA ID:	CAL000304012
Contact:	JIM SMITH
Contact address:	414 TENNESSEE ST STE H REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-307-9373
Contact email:	LJHJUNIOR@AOL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JIM SMITH
Owner/operator address:	414 TENNESSEE ST STE H REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-9373
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	X-CELL LABORATORIES INC
Owner/operator address:	414 TENNESSEE ST STE H REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-9373
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

X-CELL LABORATORIES INC (Continued) **1024813423**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

I38 **SAN BERNARDINO COUNTY D E H S** **RCRA NonGen / NLR** **1024784168**
NNW **500 KANSAS AVENUE** **CAH111000039**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
868 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
1254 ft.

RCRA NonGen / NLR:
Date form received by agency: 1990-05-16 00:00:00.0
Facility name: SAN BERNARDINO COUNTY D E H S
Facility address: 500 KANSAS AVENUE
REDLANDS, CA 92373-0000
EPA ID: CAH111000039
Mailing address: 385 N ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0000
Contact: -- JACKSON/PROGRAM MANAGER
Contact address: --
--,
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: -- JACKSON/PROGRAM MANAGER
Owner/operator address: --
--,
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAN BERNARDINO COUNTY
Owner/operator address: --
--,
Owner/operator country: Not reported
Owner/operator telephone: 000-000-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner

SAN BERNARDINO COUNTY D E H S (Continued) **1024784168**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

I39 **HHW SATELLITE REDLANDS** **CERS HAZ WASTE** **S110372757**
NNW **500 KANSAS ST** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.164 mi.
868 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
1254 ft.

CERS HAZ WASTE:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Hazardous Waste Generator

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Household Hazardous Waste Collection

San Bern. Co. Permit:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008370
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373

HHW SATELLITE REDLANDS (Continued) **S110372757**

Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0013882
Permit Category: PBR - HHW ANNUAL FEE
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008369
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: FEE EXEMPT
Expiration Date: 12/31/2004

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0016788
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: INACTIVE
Expiration Date: 12/31/2005

Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0002307
Owner: HOUSEHOLD HAZARDOUS WASTE
Permit Number: PT0008372
Permit Category: PBR ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 12/31/2003

CERS:
Name: HHW SATELLITE REDLANDS
Address: 500 KANSAS ST
City,State,Zip: REDLANDS, CA 92373
Site ID: 122447
CERS ID: 10037857
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-HHW REDLANDS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

HHW SATELLITE REDLANDS (Continued) **S110372757**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE PBR INSPECTION-HHW REDLANDS
Eval Division: San Bernardino County Fire Department
Eval Program: HHW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-HHW REDLANDS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 122447
Facility Name: HHW SATELLITE REDLANDS
Env Int Type Code: HWG
Program ID: 10037857
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.059367
Longitude: -117.204376

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Monica Ronchetti
Entity Title: SUPERVISING HMS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Monica Ronchetti
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 382-5401

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2824 EAST "W" ST
Affiliation City: SAN BERNARDINO

HHW SATELLITE REDLANDS (Continued) **S110372757**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Legal Owner
Entity Name:	HOUSEHOLD HAZARDOUS WASTE
Entity Title:	Not reported
Affiliation Address:	2824 E "W" ST, STE 302
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92415-0799
Affiliation Phone:	(909) 382-5401
Affiliation Type Desc:	Parent Corporation
Entity Name:	San Bernardino County Fire Department - HHW
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Michael VanGese
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Monica Ronchetti
Entity Title:	Not reported
Affiliation Address:	2824 E "W" ST
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0799
Affiliation Phone:	Not reported

I40 **SAN BERNARDINO COUNTY FIRE DEPARTMENT** **RCRA NonGen / NLR** **1024785153**
NNW **500 KANSAS AVE** **CAH111001289**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
868 ft. **Site 3 of 3 in cluster I**

Relative:
Lower

Actual:
1254 ft.

RCRA NonGen / NLR:

Date form received by agency:	2009-05-28 00:00:00.0
Facility name:	SAN BERNARDINO COUNTY FIRE DEPARTMENT
Facility address:	500 KANSAS AVE REDLANDS, CA 92373-0000
EPA ID:	CAH111001289
Mailing address:	2824 EAST W ST SAN BERNARDINO, CA 92415-0799
Contact:	IONIE WALLACE
Contact address:	2824 EAST W ST SAN BERNARDINO, CA 92415-0799
Contact country:	Not reported
Contact telephone:	909-382-5401
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAN BERNARDINO COUNTY FIRE DEPARTME
Owner/operator address:	2824 EAST W ST SAN BERNARDINO, CA 92415
Owner/operator country:	Not reported
Owner/operator telephone:	909-382-5401
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	IONIE WALLACE
Owner/operator address:	2824 EAST W ST SAN BERNARDINO, CA 92415
Owner/operator country:	Not reported
Owner/operator telephone:	909-382-5401
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

SAN BERNARDINO COUNTY FIRE DEPARTMENT (Continued) **1024785153**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H41 **NATIONWIDE MARKETING SOLUTIONS** **San Bern. Co. Permit** **S107863382**
WNW **446 MISSOURI CT** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.164 mi.
868 ft. **Site 2 of 4 in cluster H**

Relative: San Bern. Co. Permit:
Lower
Actual: Name: NATIONWIDE MARKETING SOLUTIONS
1243 ft. Address: 446 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0010334
Owner: MILON-BRASSELL, INC.
Permit Number: PT0017546
Permit Category: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2010

F42 **CALIFORNIA RIDER MOTORCYCLE** **San Bern. Co. Permit** **S106718471**
NE **450 TENNESSEE ST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.167 mi.
883 ft. **Site 2 of 3 in cluster F**

Relative: San Bern. Co. Permit:
Higher
Actual: Name: CALIFORNIA RIDER MOTORCYCLE
1271 ft. Address: 450 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009415
Owner: WAGDA III, JOE & MEDINA, RICHARD
Permit Number: PT0037153
Permit Category: HAZMAT HANDLER GENERAL ACT.(NB)
Facility Status: INACTIVE
Expiration Date: 01/31/2018

Name: CALIFORNIA RIDER MOTORCYCLE
Address: 450 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009415
Owner: WAGDA III, JOE & MEDINA, RICHARD
Permit Number: PT0016095
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: INACTIVE

CALIFORNIA RIDER MOTORCYCLE (Continued) **S106718471**

Expiration Date: 01/31/2018

F43 **SIMPLY TOYOTA** **San Bern. Co. Permit** **S104763637**
NE **452 TENNESSEE ST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.167 mi.
883 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
1271 ft.

San Bern. Co. Permit:

Name: SIMPLY TOYOTA
Address: 452 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0011635
Owner: Joseph Gurrola
Permit Number: PT0020146
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2014

Name: SIMPLY TOYOTA
Address: 452 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0011635
Owner: Joseph Gurrola
Permit Number: PT0020145
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2014

Name: ANDY'S FORD SPECIALTIES
Address: 452 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0000951
Owner: ANDERSON, JOHN H.
Permit Number: PT0012852
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 08/31/2007

Name: ANDY'S FORD SPECIALTIES
Address: 452 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0000951
Owner: ANDERSON, JOHN H.
Permit Number: PT0009718
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2007

J44
SW
1/8-1/4
0.171 mi.
905 ft.

CONTINENTAL DATALABEL
211 BUSINESS CENTER CT
REDLANDS, CA 92373

San Bern. Co. Permit

S104765512
N/A

Site 1 of 3 in cluster J

Relative:
Lower

Actual:
1242 ft.

San Bern. Co. Permit:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002487
Owner:	CONTINENTAL DATALABEL
Permit Number:	PT0000271
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	05/31/2020

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0002487
Owner:	CONTINENTAL DATALABEL
Permit Number:	PT0000272
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	05/31/2020

J45
SW
1/8-1/4
0.171 mi.
905 ft.

CONTINENTAL DATALABEL
211 BUSINESS CENTER CT
REDLANDS, CA 92373

RCRA NonGen / NLR
FINDS

1004675416
CAR000072652

Site 2 of 3 in cluster J

Relative:
Lower

Actual:
1242 ft.

RCRA NonGen / NLR:

Date form received by agency:	2001-04-03 00:00:00.0
Facility name:	CONTINENTAL DATALABEL
Facility address:	211 BUSINESS CENTER CT REDLANDS, CA 92373-4404
EPA ID:	CAR000072652
Contact:	ANGELICA BAUTISTA
Contact address:	211 BUSINESS CENTER COURT REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-307-3627
Contact email:	ANGELICA.BAUTISTA@DATALABEL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ANGELICA BAUTISTA
Owner/operator address:	211 BUSINESS CENTER COURT REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-307-3627
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

CONTINENTAL DATALABEL (Continued) **1004675416**

Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL DATALABEL
Owner/operator address: 211 BUSINESS CENTER CT
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-793-1400
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL DATALABEL
Owner/operator address: 1855 FOX LN
ELGIN, IL 60123
Owner/operator country: Not reported
Owner/operator telephone: 847-742-1600
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2000-05-09 00:00:00.0
Site name: CONTINENTIAL DATALABEL
Classification: Small Quantity Generator

Hazardous Waste Summary:

CONTINENTAL DATALABEL (Continued) **1004675416**

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

Violation Status: No violations found

FINDS:
Registry ID: 110002936690
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002936690

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
OSHA ESTABLISHMENT
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J46 **CONTINENTAL DATALABEL** **CERS HAZ WASTE** **S113174947**
SW **211 BUSINESS CENTER CT** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.171 mi. **HWTS**
905 ft. **Site 3 of 3 in cluster J**

Relative: Lower
Actual: 1242 ft.

CERS HAZ WASTE:
Name: CONTINENTAL DATALABEL
Address: 211 BUSINESS CENTER CT
City,State,Zip: REDLANDS, CA 92373
Site ID: 107858
CERS ID: 10038205
CERS Description: Hazardous Waste Generator

HAZNET:
Name: CONTINENTAL DATALABEL
Address: 211 BUSINESS CENTER CT
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923734404
Contact: ANGELICA BAUTISTA
Telephone: 9093073627
Mailing Name: Not reported
Mailing Address: 211 BUSINESS CENTER CT

Year: 2017
Gepaid: CAR000072652

CONTINENTAL DATALABEL (Continued) **S113174947**

TSD EPA ID: CAD008252405
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.029

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.357

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.38

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.06255

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.3

Year: 2017
Gepaid: CAR000072652
TSD EPA ID: NVT330010000
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0472

Year: 2016
Gepaid: CAR000072652
TSD EPA ID: CAD008252405
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.071

Year: 2016
Gepaid: CAR000072652
TSD EPA ID: ORQ000024781
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H020 - Solvents Recovery
Tons: 0.9288

CONTINENTAL DATALABEL (Continued) **S113174947**

Year:	2015
Gepaid:	CAR000072652
TSD EPA ID:	CAD008252405
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.462

Year:	2015
Gepaid:	CAR000072652
TSD EPA ID:	NED981723513
CA Waste Code:	-
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.225

Click this hyperlink while viewing on your computer to access
29 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2005
Gen EPA ID:	CAR000072652
Shipment Date:	20050929
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20051003
Manifest ID:	24701614
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050929
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20051003
Manifest ID:	24701615
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405

CONTINENTAL DATALABEL (Continued) **S113174947**

TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.22935
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050518
Creation Date: 8/17/2005 18:32:59
Receipt Date: 20050526
Manifest ID: 24190402
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.4587
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAR000072652

Shipment Date: 20100913
Creation Date: 10/8/2012 8:32:02
Receipt Date: 20100917
Manifest ID: 005273711JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.4587

CONTINENTAL DATALABEL (Continued) **S113174947**

Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100913
Creation Date:	10/8/2012 8:32:02
Receipt Date:	20100917
Manifest ID:	005273711JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.35445
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAR000072652
Shipment Date:	20171218
Creation Date:	10/16/2018 18:30:53
Receipt Date:	20171220
Manifest ID:	009282387JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171218
Creation Date:	10/16/2018 18:30:53
Receipt Date:	20171220
Manifest ID:	009282386JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.085
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20171102
Manifest ID:	016596660JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	6/13/2018 18:30:34
Receipt Date:	20171031
Manifest ID:	016596662JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO\\KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	10/8/2018 18:30:25
Receipt Date:	20171031
Manifest ID:	016596661JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170906
Manifest ID:	009282291JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170906
Manifest ID:	009282290JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000072652

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20041207
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041215
Manifest ID:	22751340
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041207
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20041214
Manifest ID:	23844985
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041207
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041215
Manifest ID:	22751340
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040219
Creation Date:	9/10/2004 9:51:11
Receipt Date:	20040219
Manifest ID:	22751338
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040219
Creation Date:	8/23/2004 8:25:08
Receipt Date:	20040225
Manifest ID:	22751339
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAR000072652
Shipment Date:	20000926
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	99633779
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.306
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000926
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	99633779
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20000926
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20001006
Manifest ID:	99633852
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000524
Creation Date:	8/1/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118793
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.1876
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000524
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118796
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.414
Waste Quantity:	115
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000524
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000602
Manifest ID:	98118796
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Disposal Method:	R01 - Recycler
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000072652

Shipment Date:	20141125
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20141203
Manifest ID:	005273187JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141125
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20141203
Manifest ID:	005273187JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140602
Creation Date:	11/11/2014 22:15:05
Receipt Date:	20140604
Manifest ID:	005273074JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.386
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2002
Gen EPA ID:	CAR000072652
Shipment Date:	20020718
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020724
Manifest ID:	21551880
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020718
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020724
Manifest ID:	21551880
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020301
Manifest ID:	21551636
Trans EPA ID:	CAD981429673

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020225
Manifest ID:	20990652
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020219
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020301
Manifest ID:	21551636
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

CONTINENTAL DATALABEL (Continued) **S113174947**

Disposal Method:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAR000072652
Shipment Date:	20070822
Creation Date:	2/5/2008 18:30:19
Receipt Date:	20070827
Manifest ID:	000525623JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070718
Creation Date:	3/4/2008 18:30:28
Receipt Date:	20070723
Manifest ID:	000525362JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070613
Creation Date:	1/8/2008 18:31:19
Receipt Date:	20070618
Manifest ID:	000521950JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000072652
Shipment Date:	20130422
Creation Date:	9/28/2013 22:15:06
Receipt Date:	20130424
Manifest ID:	009286128JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2003
Gen EPA ID:	CAR000072652
Shipment Date:	20031023
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031031
Manifest ID:	22751223
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	CAR000038646
Trans 2 Name:	HAZ MAT SERVICES INC
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031023
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031023
Manifest ID:	22751227
Trans EPA ID:	CAD981429673
Trans Name:	PHOTO WASTE RECYCLING CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.323
Waste Quantity:	95
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030520
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030520
Manifest ID:	22020994
Trans EPA ID:	CAD981429673

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030109
Creation Date:	5/21/2003 18:32:18
Receipt Date:	20030120
Manifest ID:	21551879
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030109
Creation Date:	5/6/2003 18:31:20
Receipt Date:	20030118
Manifest ID:	21551877
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011

CONTINENTAL DATALABEL (Continued) **S113174947**

Disposal Method:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030109
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030117
Manifest ID:	22020875
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030109
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030117
Manifest ID:	22020875
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2006
Gen EPA ID:	CAR000072652
Shipment Date:	20061108
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061113
Manifest ID:	000528232JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061108
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061113
Manifest ID:	000528232JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060426
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060501
Manifest ID:	24847117
Trans EPA ID:	CAD982433575

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	COMMODITY RESOURCE ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060426
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060501
Manifest ID:	24847119
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000072652

Shipment Date:	20150819
Creation Date:	1/21/2016 22:15:23
Receipt Date:	20150902
Manifest ID:	007489793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	TXR000081205
Trans 2 Name:	SAFETY KLEEN SYSTEMS INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENV SERVICES INC

CONTINENTAL DATALABEL (Continued) **S113174947**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150622
Creation Date: 1/25/2016 22:15:12
Receipt Date: 20150623
Manifest ID: 005273388JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.462
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2001
Gen EPA ID: CAR000072652

Shipment Date: 20011025
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011101
Manifest ID: 20990635
Trans EPA ID: CAD981429673
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler

CONTINENTAL DATALABEL (Continued) **S113174947**

Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20990635
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D005
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011025
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011101
Manifest ID:	20990635
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.204
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20990436
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010523
Creation Date:	8/14/2001 0:00:00
Receipt Date:	20010602
Manifest ID:	99633817
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981429673
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981429673
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010523
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20990436
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

CONTINENTAL DATALABEL (Continued) **S113174947**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010129
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010208
Manifest ID:	99633637
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010129
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010208
Manifest ID:	99633637
Trans EPA ID:	CAD981429673
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAR000072652

Shipment Date: 20150819
Creation Date: 1/21/2016 22:15:23
Receipt Date: 20150902
Manifest ID: 007489793FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: TXR000081205
Trans 2 Name: SAFETY KLEEN SYSTEMS INC
TSDF EPA ID: NED981723513
Trans Name: CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150622
Creation Date: 1/25/2016 22:15:12
Receipt Date: 20150623
Manifest ID: 005273388JJK
Trans EPA ID: CAD982433575
Trans Name: COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.462
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2009
Gen EPA ID:	CAR000072652
Shipment Date:	20090819
Creation Date:	3/5/2010 18:30:52
Receipt Date:	20090826
Manifest ID:	005275169JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000072652
Shipment Date:	20080507
Creation Date:	10/13/2008 18:30:25
Receipt Date:	20080508
Manifest ID:	000527205JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Additional Info:

Year:	2012
Gen EPA ID:	CAR000072652
Shipment Date:	20120529
Creation Date:	6/5/2013 22:15:06
Receipt Date:	20120530
Manifest ID:	009284726JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120529
Creation Date:	6/5/2013 22:15:06
Receipt Date:	20120530
Manifest ID:	009284726JJK
Trans EPA ID:	CAD982433575
Trans Name:	COMMODITY RESOURCE & ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
City,State,Zip:	REDLANDS, CA 92373

CONTINENTAL DATALABEL (Continued) **S113174947**

Site ID: 107858
CERS ID: 10038205
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 01-15-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 05/31/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 01-15-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 01/28/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 10-31-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/15/2019. OBSERVATION: Observed (2) 55-gallon drums of waste ink] located in the hazard waste storage area was observed without the following information on the label: Hazardous Properties CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 10-31-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any

CONTINENTAL DATALABEL (Continued) **S113174947**

	one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 02/15/2019. OBSERVATION: Observed (4) 55 gallon drums of imaging oil and (2) 55 gallon drums of ink extender that was not previously disclosed on the business plan. CORRECTIVE ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	107858
Site Name:	CONTINENTAL DATALABEL
Violation Date:	01-15-2016
Citation:	HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.9
Violation Description:	Failure to meet the following requirements of excluded recyclable materials: 1) Used or reused as an ingredient in an industrial process to make a product if the material is not being reclaimed, 2) Used or reused as a safe and effective substitute for commercial products if the material is not being reclaimed, 3) Returned to the original process from which the material was generated, without first being reclaimed, if the material is returned as a substitute for raw material feedstock, and the process uses raw materials as principal feedstocks, 4) The material is recycled and used at the same facility at which the material was generated, or by the same corporate entity, 5) The material is recycled within the applicable generator accumulation time, 6) The material is managed in accordance with all applicable requirements for generators of hazardous wastes, 7) If the material is held in a container or tank, the container or tank is labeled, marked, and placarded in accordance with the department's hazardous waste labeling, marking, and placarding requirements which are applicable to generators, except that the container or tank shall be labeled or marked clearly with the words "Excluded Recyclable Material" instead of the words "Hazardous Waste," 8) If the material is used oil, the containers, aboveground tanks, and fill pipes used to transfer oil into underground storage tanks shall also be labeled and clearly marked with the words "Used Oil", 9) The owner or operator of the business location where the material is located has a business plan that meets the following minimal requirements: emergency response plans and procedures, which specifically address the material or that meets the emergency response and contingency requirements which are applicable to generators of hazardous waste, and 10) The material shall be stored and handled in accordance with all local ordinances and codes.
Violation Notes:	Returned to compliance on 01/28/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	107858
Site Name:	CONTINENTAL DATALABEL
Violation Date:	01-15-2016

CONTINENTAL DATALABEL (Continued) **S113174947**

Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Violation Date: 10-31-2018
Citation: HSC 6.5 25144.6 (b) - California Health and Safety Code, Chapter 6.5, Section(s) 25144.6 (b)
Violation Description: Failure to properly manage reusable soiled textile materials prior to being sent for laundering.
Violation Notes: Returned to compliance on 02/15/2019. OBSERVATION: Reusable soiled textiles being managed on site were observed disposed of in the trash. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you are properly managing reusable soiled textiles in accordance with HSC 25144.6(b).
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2016
Violations Found: Yes
Eval Type: Routine done by local agency

CONTINENTAL DATALABEL (Continued) **S113174947**

Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Site Address: 211 BUSINESS CENTER CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 01-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 107858
Site Name: CONTINENTAL DATALABEL
Site Address: 211 BUSINESS CENTER CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 01-15-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 107858
Facility Name: CONTINENTAL DATALABEL
Env Int Type Code: HWG
Program ID: 10038205
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.054516
Longitude: -117.206047

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Angelica Bautista
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported

CONTINENTAL DATALABEL (Continued) **S113174947**

Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	211 BUSINESS CENTER CT
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Tim Flynn
Entity Title:	Not reported
Affiliation Address:	1855 FOX LANE
Affiliation City:	ELGIN
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60123
Affiliation Phone:	(847) 717-1111
Affiliation Type Desc:	Operator
Entity Name:	CONTINENTAL DATALABEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-1400
Affiliation Type Desc:	Parent Corporation
Entity Name:	CONTINENTAL DATALABEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Tim Flynn
Entity Title:	Not reported
Affiliation Address:	1855 Fox Lane
Affiliation City:	Elgin
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60123
Affiliation Phone:	(847) 717-1111

CONTINENTAL DATALABEL (Continued) **S113174947**

Affiliation Type Desc:	Environmental Contact
Entity Name:	ANGELICA BAUTISTA
Entity Title:	Not reported
Affiliation Address:	211 Business Center Court
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Angelica Bautista
Entity Title:	Conformance Coordinator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	CONTINENTAL DATALABEL
Address:	211 BUSINESS CENTER CT
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923734404
EPA ID:	CAR000072652
Inactive Date:	Not reported
Create Date:	04/03/2001
Last Act Date:	08/13/2019
Mailing Name:	Not reported
Mailing Address:	211 BUSINESS CENTER CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923734404
Owner Name:	CONTINENTAL DATALABEL
Owner Address:	211 BUSINESS CENTER CT
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923734404
Contact Name:	ANGELICA BAUTISTA
Contact Address:	211 BUSINESS CENTER COURT
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAR000072652
Create Date:	2010-11-22 13:00:50
NAICS Code:	323114
NAICS Description:	Quick Printing
Issued EPA ID Date:	2001-04-03 00:00:00
Inactive Date:	Not reported
Facility Name:	CONTINENTAL DATALABEL
Facility Address:	211 BUSINESS CENTER CT
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	923734404

47
NW
1/8-1/4
0.177 mi.
932 ft.

NOVA COACH
1445 PARK AVE
REDLANDS, CA 92373

San Bern. Co. Permit **S108419387**
N/A

Relative:
Lower

Actual:
1249 ft.

San Bern. Co. Permit:

Name:	NOVA COACH
Address:	1445 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010837
Owner:	MICHEL, LIONEL
Permit Number:	PT0018620
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	02/28/2009

K48
SE
1/8-1/4
0.183 mi.
968 ft.

PIONEER CONSULTANTS
251 TENNESSEE ST
REDLANDS, CA 92373

Site 1 of 2 in cluster K

RCRA-SQG **1000312432**
HIST UST **CAD066158320**
FINDS
ECHO
NPDES
CIWQS

Relative:
Higher

Actual:
1270 ft.

RCRA-SQG:

Date form received by agency:	1986-02-20 00:00:00.0
Facility name:	PIONEER CONSULTANTS
Facility address:	251 TENNESSEE ST REDLANDS, CA 92373
EPA ID:	CAD066158320
Mailing address:	TENNESSEE ST REDLANDS, CA 92373
Contact:	ENVIRONMENTAL MANAGER
Contact address:	251 TENNESSEE ST REDLANDS, CA 92373
Contact country:	US
Contact telephone:	714-793-2691
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

PIONEER CONSULTANTS (Continued) **1000312432**

Owner/Op end date: Not reported

Owner/operator name: DAVID W TURNER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HIST UST:
Name: PIONEER CONSULTANTS
Address: 251 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92373
File Number: 0002A42A
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A42A.pdf
Region: STATE
Facility ID: 00000049219
Facility Type: Other
Other Type: ENGINEERING
Contact Name: DAVID W. TURNER
Telephone: 7147932691
Owner Name: PIONEER CONSULTANTS
Owner Address: 251 TENNESSEE STREET
Owner City,St,Zip: REDLANDS, CA 92373
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

PIONEER CONSULTANTS (Continued) **1000312432**

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002654609
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002654609

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000312432
Registry ID: 110002654609
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002654609
Name: PIONEER CONSULTANTS
Address: 251 TENNESSEE ST
City,State,Zip: REDLANDS, CA 92373

NPDES:
Name: REDLANDS CHRISTIAN MIDDLE SCHOOL
Address: 251 TENNESSEE STREET
City,State,Zip: REDLANDS, CA 92373
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 36C368471
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported

PIONEER CONSULTANTS (Continued) **1000312432**

Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	01/12/2016
Operator Name:	Arrowhead Christian Academy
Operator Address:	105 Tennessee Street
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	443026
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 36C368471
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/30/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/10/2013
Processed Date:	12/12/2013
Status:	Terminated
Status Date:	01/12/2016
Place Size:	2.35
Place Size Unit:	Acres
Contact:	Kristin Tissot
Contact Title:	Not reported
Contact Phone:	909-748-7777
Contact Phone Ext:	32
Contact Email:	kristint@thatcherengineering.com
Operator Name:	Arrowhead Christian Academy
Operator Address:	105 Tennessee Street
Operator City:	Redlands
Operator State:	California
Operator Zip:	92373
Operator Contact:	Daniel Cole
Operator Contact Title:	Not reported
Operator Contact Phone:	909-793-0601
Operator Contact Phone Ext:	153
Operator Contact Email:	dcole@arrowheadchristian.com
Operator Type:	Other
Developer:	Arrowhead Christian Academy
Developer Address:	105 Tennessee Street
Developer City:	Redlands
Developer State:	California

PIONEER CONSULTANTS (Continued) **1000312432**

Developer Zip:	92373
Developer Contact:	Daniel Cole
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Reach 5
Certifier:	Daniel Cole
Certifier Title:	Head of School
Certification Date:	10-DEC-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	443026
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C368471
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/12/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/30/2015
Discharge Name:	Arrowhead Christian Academy
Discharge Address:	105 Tennessee Street
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92373
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported

PIONEER CONSULTANTS (Continued) **1000312432**

Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	REDLANDS CHRISTIAN MIDDLE SCHOOL
Address:	251 TENNESSEE STREET
City,State,Zip:	REDLANDS, CA 92373
Agency:	Arrowhead Christian Academy
Agency Address:	105 Tennessee Street, Redlands, CA 92373

PIONEER CONSULTANTS (Continued) **1000312432**

Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C368471
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	12/12/2013
Termination Date:	12/30/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.054499
Longitude:	-117.200434

K49 **REDLANDS CHRISTIAN MIDDLE SCHOOL** **San Bern. Co. Permit** **S117896827**
SE **251 TENESSEE ST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.183 mi.
968 ft. **Site 2 of 2 in cluster K**

Relative: **Higher**
Actual: **1270 ft.**

San Bern. Co. Permit:

Name:	REDLANDS CHRISTIAN MIDDLE SCHOOL
Address:	251 TENESSEE ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0015862
Owner:	DAN COLE
Permit Number:	PT0034556
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	INACTIVE
Expiration Date:	03/31/2016

L50 **JOSEPH GURROLA DBA SIMPLY TOYOTA** **RCRA NonGen / NLR** **1024836947**
NE **1195 W PARK AVE** **CAL000381523**
1/8-1/4 **REDLANDS, CA 92373**
0.191 mi.
1010 ft. **Site 1 of 9 in cluster L**

Relative: **Higher**
Actual: **1273 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2013-01-11 00:00:00.0
Facility name:	JOSEPH GURROLA DBA SIMPLY TOYOTA
Facility address:	1195 W PARK AVE REDLANDS, CA 92373
EPA ID:	CAL000381523
Contact:	JOSEPH GURROLA
Contact address:	1195 W PARK AVE REDLANDS, CA 92373
Contact country:	Not reported

JOSEPH GURROLA DBA SIMPLY TOYOTA (Continued) **1024836947**

Contact telephone: 909-798-8344
Contact email: AIMEE_GURROLA@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JOSEPH GURROLA
Owner/operator address: 1195 W PARK AVE
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-798-8344
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOSEPH GURROLA DBA SIMPLY TOYOTA
Owner/operator address: 145 CORAL CT
REDLANDS, CA 92374
Owner/operator country: Not reported
Owner/operator telephone: 909-856-6187
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

L51 **PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC** **CERS HAZ WASTE** **S113158773**
NE **1195 W PARK AVE** **HAZNET** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **San Bern. Co. Permit**
0.191 mi. **CERS**
1010 ft. **Site 2 of 9 in cluster L** **HWTS**

Relative: Higher
Actual: 1273 ft.

CERS HAZ WASTE:

Name:	SIMPLY TOYOTA
Address:	1195W W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Site ID:	378117
CERS ID:	10689301
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Address:	1195 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738005
Contact:	PAMELA J ROZEMA
Telephone:	9098559762
Mailing Name:	Not reported
Mailing Address:	PO BOX 7244
Year:	2011
Gepaid:	CAL000353392
TSD EPA ID:	CAT000613893
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2834

Additional Info:

Year:	2011
Gen EPA ID:	CAL000353392
Shipment Date:	20110606
Creation Date:	11/12/2011 18:30:22
Receipt Date:	20110608
Manifest ID:	002823190SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110317
Creation Date:	8/25/2011 18:30:11
Receipt Date:	20110321
Manifest ID:	002597151SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	342 - Organic liquids with metals (see 121
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SIMPLY TOYOTA
Address:	1195W W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0015111
Owner:	Joseph Gurrola
Permit Number:	PT0026344
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	05/31/2020

Name:	SIMPLY TOYOTA
Address:	1195W W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0015111
Owner:	Joseph Gurrola
Permit Number:	PT0026345
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	05/31/2020

CERS:

Name:	SIMPLY TOYOTA
Address:	1195W W PARK AVE
City,State,Zip:	REDLANDS, CA 92373

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Site ID: 378117
CERS ID: 10689301
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 06-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/22/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) The hazardous waste label on (1) ~300 gallon tank of used oil was not legible
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 06-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/12/2017. Failure to establish a Contingency Plan (CCR 66265.51(a)) A Contingency Plan was never submitted to this Divison.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 08-06-2013
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 08/06/2013.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 09-17-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: OBSERVATION:(1) 55 gallon drum of waste paper filters located in the hazardous waste storage areawas observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-28-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. NON INSPECTION RELATED VIOLATION
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. A Business Plan was never submitted to this division.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 09/12/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: Business plan was last reviewed and certified as complete and accurate on 9/5/17. CORRECTIVE ACTION: Review and certify the business plan annually.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/12/2017. Failure to establish a Contingency Plan (CCR 66265.51(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 09/12/2017. A Business Plan was never submitted to this division.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/12/2017. The facility has never submitted the Business Plan on CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/06/2013. Failure to manage hazardous waste lawfully (CHSC 25154)
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	OBSERVATION: (1) 55-gallon drum of waste paper filters located in the hazardous waste storage area was observed without the following information on the label: Accumulation Start Date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	08-06-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/06/2013. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	09-17-2018
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	OBSERVATION: Observed (1) 120-gallon aboveground storage tank of new oil and (1) 55-gallon drum of new oil not previously disclosed on 9/5/17 business plan. CORRECTIVE ACTION: Submit the updated business plan information into the California Environmental Reporting System (CERS).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	378117
Site Name:	Simply Toyota
Violation Date:	06-22-2016
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 09/12/2017. (1) 55 gallon drum of drained

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

used filters was missing a lid and not properly labeled. A lid was placed on the drum and the container was closed while the inspectors were on-site, however the drum still was not properly labeled.

Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 08-06-2013
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 09/12/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Violation Date: 06-22-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/22/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) The correct accumulation start date was not legible on (1) ~300 gallon tank of used oil.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-28-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS ENFORCEMENT PROJECT - ENTER VIOLATION

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 06-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 06-22-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 08-06-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 378117
Site Name: Simply Toyota
Site Address: 1195W W PARK AVE
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 08-06-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1195W Park Ave
Affiliation City: redlands
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Simply Toyota
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Joseph Gurrola
Entity Title:	Not reported
Affiliation Address:	5655 N Pinnacle Lane
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Aimee Gurrola
Entity Title:	manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Joseph Gurrola
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 856-6187

Affiliation Type Desc:	Document Preparer
Entity Name:	Aimee Gurrola
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Joseph Gurrola
Entity Title:	Not reported
Affiliation Address:	145 Coral Court
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States

PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC (Continued) **S113158773**

Affiliation Zip:	92374
Affiliation Phone:	(909) 798-8344
Affiliation Type Desc:	Property Owner
Entity Name:	Joseph Gurrola
Entity Title:	Not reported
Affiliation Address:	145 Coral Court
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92374
Affiliation Phone:	(909) 856-6187

HWTS:

Name:	PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Address:	1195 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923738005
EPA ID:	CAL000353392
Inactive Date:	06/30/2013
Create Date:	06/15/2010
Last Act Date:	10/15/2013
Mailing Name:	Not reported
Mailing Address:	PO BOX 7244
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923730000
Owner Name:	PAMELA J ROZEMA
Owner Address:	1195 W PARK AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	REDLANDS, CA 923750000
Contact Name:	PAMELA J ROZEMA
Contact Address:	2170 MENTONE BLVD
Contact Address 2:	Not reported
City,State,Zip:	MENTONE, CA 923590000

NAICS:

EPA ID:	CAL000353392
Create Date:	2010-06-15 11:30:42
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-06-15 11:30:42
Inactive Date:	2013-06-30 00:00:00
Facility Name:	PARK AVENUE AUTOMOTIVE & SMOG REPAIR LLC
Facility Address:	1195 W PARK AVE
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	923738005

L52 **CHUCK'S COMPLETE AUTOMOTIVE REPAIR** **San Bern. Co. Permit** **S110656299**
NE **1195 PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.191 mi.
1010 ft. **Site 3 of 9 in cluster L**

Relative:
Higher

Actual:
1273 ft.

San Bern. Co. Permit:

Name:	CHUCK'S COMPLETE AUTOMOTIVE REPAIR
Address:	1195 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0001964
Owner:	CHUCK SKIDMORE
Permit Number:	PT0001892
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	07/31/2004

Name:	CHUCK'S COMPLETE AUTOMOTIVE REPAIR
Address:	1195 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0001964
Owner:	CHUCK SKIDMORE
Permit Number:	PT0012810
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	07/31/2002

L53 **MAGNUM PERFORMANCE CENTER** **San Bern. Co. Permit** **S108240239**
NE **1195 W PARK AVE** **HWTS** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.191 mi.
1010 ft. **Site 4 of 9 in cluster L**

Relative:
Higher

Actual:
1273 ft.

San Bern. Co. Permit:

Name:	MAGNUM PERFORMANCE CENTER
Address:	1195 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010735
Owner:	EDWARD SCOTT CORRALES
Permit Number:	PT0018441
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	01/31/2007

Name:	MAGNUM PERFORMANCE CENTER
Address:	1195 W PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0010735
Owner:	EDWARD SCOTT CORRALES
Permit Number:	PT0018440
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	01/31/2007

Name:	SMOG PLUS AUTO CARE CENTERS
Address:	1195 W PARK AVE

MAGNUM PERFORMANCE CENTER (Continued) **S108240239**

City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009378
Owner: TSAD COMPANY, INC
Permit Number: PT0016023
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 12/31/2005

Name: SMOG PLUS AUTO CARE CENTERS
Address: 1195 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009378
Owner: TSAD COMPANY, INC
Permit Number: PT0016024
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2005

HWTS:
Name: MAGNUM PERFORMANCE CENTER
Address: 1195 W PARK AVE
Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738005
EPA ID: CAL000306060
Inactive Date: 06/30/2007
Create Date: 04/28/2006
Last Act Date: 03/20/2008
Mailing Name: Not reported
Mailing Address: 904 SUNSET HILLS LN
Mailing Address 2: Not reported
Mailing City,State,Zip: REDLANDS, CA 923736963
Owner Name: MAGNUM PERFORMANCE CENTER INC
Owner Address: 904 SUNSET HILLS LN
Owner Address 2: Not reported
Owner City,State,Zip: REDLANDS, CA 923736963
Contact Name: EDWARD CORRALES
Contact Address: 904 SUNSET HILLS LN
Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 923736963

NAICS:
EPA ID: CAL000306060
Create Date: 2006-04-28 11:35:49
NAICS Code: 81149
NAICS Description: Other Personal and Household Goods Repair and Maintenance
Issued EPA ID Date: 2006-04-28 11:35:49
Inactive Date: 2007-06-30 00:00:00
Facility Name: MAGNUM PERFORMANCE CENTER
Facility Address: 1195 W PARK AVE
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: 36
Facility State: CA
Facility Zip: 923738005

L54 **CITY YARDS** **HIST UST** **U001575393**
NE **501 TENNESSEE STREET** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.192 mi.
1014 ft. **Site 5 of 9 in cluster L**

Relative: **Higher**

Actual: **1272 ft.**

HIST UST:

Name:	CITY YARDS
Address:	501 TENNESSEE ST
City,State,Zip:	REDLANDS, CA 92373
File Number:	00029CA7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029CA7.pdf
Region:	STATE
Facility ID:	00000032749
Facility Type:	Other
Other Type:	VEHICLE REPAIR
Contact Name:	KENNETH D. MAYLONE
Telephone:	7147921634
Owner Name:	CITY OF REDLANDS
Owner Address:	501 TENNESSEE ST
Owner City,St,Zip:	REDLANDS, CA 92373
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

CITY YARDS (Continued) **U001575393**

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	001
Container Num:	501
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	502
Year Installed:	1965

CITY YARDS (Continued) **U001575393**

Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	502
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	503
Year Installed:	1965
Tank Capacity:	00005500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

CITY YARDS (Continued) **U001575393**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 503
Year Installed: 1965
Tank Capacity: 00005500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 503
Year Installed: 1965
Tank Capacity: 00005500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 503
Year Installed: 1965
Tank Capacity: 00005500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 503
Year Installed: 1965
Tank Capacity: 00005500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

CITY YARDS (Continued) **U001575393**

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	504
Year Installed:	1965
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported

CITY YARDS (Continued) **U001575393**

Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

L55 **CITY OF REDLANDS/ EQUIPMENT MAINTENANCE** **RCRA NonGen / NLR** **1000277284**
NE **501 TENNESSEE** **CAD981997315**
1/8-1/4 **REDLANDS, CA 92373**
0.192 mi.
1014 ft. **Site 6 of 9 in cluster L**

Relative:
Higher

Actual:
1272 ft.

RCRA NonGen / NLR:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: CITY OF REDLANDS/ EQUIPMENT MAINTENANCE
Site name: REDLANDS MAINTENANCE CITY OF
Facility address: 501 TENNESSEE
REDLANDS, CA 92373
EPA ID: CAD981997315
Mailing address: TENNESSEE
REDLANDS, CA 92373
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: REDLANDS CITY OF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212

CITY OF REDLANDS/ EQUIPMENT MAINTENANCE (Continued) **1000277284**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-01-07 00:00:00.0
Site name: CITY OF REDLANDS, GARAGE
Classification: Small Quantity Generator

Date form received by agency: 1991-06-13 00:00:00.0
Site name: REDLANDS MAINTENANCE CITY OF
Classification: Large Quantity Generator

Date form received by agency: 1988-03-01 00:00:00.0
Site name: CITY OF REDLANDS/ EQUIPMENT MAINTENANCE
Classification: Not a generator, verified

Violation Status: No violations found

H56 **THE SMART SHOP INC/GL MACHINE** **CERS HAZ WASTE** **S106803311**
WNW **451 MISSOURI CT** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.197 mi. **HWTS**
1042 ft. **Site 3 of 4 in cluster H**

Relative:
Lower

Actual:
1241 ft.

CERS HAZ WASTE:
Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Site ID: 75308
CERS ID: 10050004
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009500
Owner: BEYRONNEAU, JACK
Permit Number: PT0016221
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 02/28/2020

Name: THE SMART SHOP INC/GL MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009500
Owner: BEYRONNEAU, JACK
Permit Number: PT0016220
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 02/28/2020

Name: G.L. MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009499
Owner: LANE, GARY A.
Permit Number: PT0016218
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 02/28/2015

Name: G.L. MACHINE
Address: 451 MISSOURI CT
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0009499
Owner: LANE, GARY A.
Permit Number: PT0016219
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: INACTIVE
Expiration Date: 02/28/2015

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

CERS:
- Name: THE SMART SHOP INC/GL MACHINE
- Address: 451 MISSOURI CT
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 75308
- CERS ID: 10050004
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 75308
- Site Name: THE SMART SHOP INC/GL MACHINE
- Violation Date: 11-05-2014
- Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
- Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
- Violation Notes: Returned to compliance on 12/01/2014. A business plan has not been submitted using the CERS system.
- Violation Division: San Bernardino County Fire Department
- Violation Program: HMRRP
- Violation Source: CERS

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-05-2014
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: routine inspection the smart shop
- Eval Division: San Bernardino County Fire Department
- Eval Program: HW
- Eval Source: CERS

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-05-2014
- Violations Found: Yes
- Eval Type: Routine done by local agency
- Eval Notes: the smart shop inspection
- Eval Division: San Bernardino County Fire Department
- Eval Program: HMRRP
- Eval Source: CERS

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-13-2017
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Not reported
- Eval Division: San Bernardino County Fire Department
- Eval Program: HMRRP
- Eval Source: CERS

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-13-2017
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Not reported
- Eval Division: San Bernardino County Fire Department
- Eval Program: HW

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Eval Source: CERS

Enforcement Action:
Site ID: 75308
Site Name: THE SMART SHOP INC/GL MACHINE
Site Address: 451 MISSOURI CT
Site City: REDLANDS
Site Zip: 92373
Enf Action Date: 11-05-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 75308
Facility Name: THE SMART SHOP INC/GL MACHINE
Env Int Type Code: HWG
Program ID: 10050004
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.058315
Longitude: -117.207405

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JACK BEYRONNEAU
Entity Title: Not reported
Affiliation Address: 451 MISSOURI CT
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: THE SMART SHOP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 451 MISSOURI CT
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Affiliation Type Desc:	Operator
Entity Name:	THE SMART SHOP INC/GL MACHINE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 838-2282

Affiliation Type Desc:	Property Owner
Entity Name:	PRECISE DEVELOPMENT
Entity Title:	Not reported
Affiliation Address:	12398 CAMBRIA DRIVE
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 838-2282

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Legal Owner
Entity Name:	BEYRONNEAU, JACK
Entity Title:	Not reported
Affiliation Address:	12398 CAMBRIA DRIVE
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 838-2282

HWTS:

Name:	G.L. MACHINE
Address:	451 MISSOURI CT
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 923730000
EPA ID:	CAL000291577
Inactive Date:	06/30/2015
Create Date:	02/25/2005
Last Act Date:	01/27/2016
Mailing Name:	Not reported
Mailing Address:	451 MISSOURI CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 923738083
Owner Name:	GARY LANE
Owner Address:	12434 WINDSOR DR
Owner Address 2:	Not reported

THE SMART SHOP INC/GL MACHINE (Continued) **S106803311**

Owner City,State,Zip: YUCAIPA, CA 923991907
Contact Name: GARY LANE
Contact Address: 451 MISSOURI CT
Contact Address 2: Not reported
City,State,Zip: REDLANDS, CA 923738083

NAICS:
EPA ID: CAL000291577
Create Date: 2010-11-22 13:00:50
NAICS Code: 33271
NAICS Description: Machine Shops
Issued EPA ID Date: 2005-02-25 09:50:59
Inactive Date: 2015-06-30 00:00:00
Facility Name: G.L. MACHINE
Facility Address: 451 MISSOURI CT
Facility Address 2: Not reported
Facility City: REDLANDS
Facility County: 36
Facility State: CA
Facility Zip: 923730000

H57 **THE SMART SHOP/ GL MACHINE** **RCRA NonGen / NLR** **1024810665**
WNW **451 MISSOURI CT** **CAL000291002**
1/8-1/4 **REDLANDS, CA 92373**
0.197 mi.
1042 ft. **Site 4 of 4 in cluster H**

Relative:
Lower

Actual:
1241 ft.

RCRA NonGen / NLR:
Date form received by agency: 2005-02-09 00:00:00.0
Facility name: THE SMART SHOP/ GL MACHINE
Facility address: 451 MISSOURI CT
REDLANDS, CA 92373
EPA ID: CAL000291002
Contact: JACK BEYRONNEAU
Contact address: 451 MISSOURI CT.
REDLANDS, CA 92373
Contact country: Not reported
Contact telephone: 909-838-2282
Contact email: SMARTSHOPFAB@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JACK BEYRONNEAU
Owner/operator address: 451 MISSOURI CT
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-838-2282
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

THE SMART SHOP/ GL MACHINE (Continued) **1024810665**

Owner/operator name: JACK BEYRONNEAU
Owner/operator address: 451 MISSOURI CT.
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-838-2282
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

L58 **REDLANDS AUTO ELECTRIC** **CERS HAZ WASTE** **S122218713**
NE **1165 W PARK AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **REDLANDS, CA 92373** **CERS**
0.213 mi. **HWTS**
1123 ft. **Site 7 of 9 in cluster L**

Relative: Higher
Actual: 1276 ft.

CERS HAZ WASTE:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 436889
CERS ID: 10761757
CERS Description: Hazardous Waste Generator

San Bern. Co. Permit:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017827
Owner: COOPER, JAMES A
Permit Number: PT0038549
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2020

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Region: SAN BERNARDINO
Facility ID: FA0017827
Owner: COOPER, JAMES A
Permit Number: PT0038548
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2020

CERS:
Name: REDLANDS AUTO ELECTRIC
Address: 1165 W PARK AVE
City,State,Zip: REDLANDS, CA 92373
Site ID: 436889
CERS ID: 10761757
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Not reported
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: Un-Specified
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 03/21/2018. Failure to obtain and maintain a CUPA Hazardous Waste generator permit. (SBCC 23.0602)
Violation Division: San Bernardino County Fire Department

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Violation Program: HW
Violation Source: CERS

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Not reported
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Failure to obtain a CUPA Hazardous Materials Handler permit (SBCC 23.0602(a))
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 436889
Site Name: Redlands Auto Electric
Violation Date: 03-21-2018
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description: Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes: Not reported
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 436889
Facility Name: Redlands Auto Electric
Env Int Type Code: HMBP
Program ID: 10761757
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.059000
Longitude: -117.199250

Affiliation:
Affiliation Type Desc: Operator
Entity Name: JAMES COOPER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 583-4751

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1165 W. Park Ave.
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92373
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: JAMES COOPER
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: JAMES COOPER
Entity Title: Not reported
Affiliation Address: jimcp5@aol.com
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92373
Affiliation Phone: (909) 792-4776

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Redlands Auto Electric
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	James Cooper
Entity Title:	Not reported
Affiliation Address:	1165 W. Park Ave.
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92373
Affiliation Phone:	(909) 792-4776

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Document Preparer
Entity Name:	James Cooper
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	JAMES COOPER
Entity Title:	Not reported
Affiliation Address:	1165 W. Park Ave.
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92373
Affiliation Phone:	Not reported

HWTS:

Name:	REDLANDS AUTO ELECTRIC
Address:	1165 W PARK AVE
Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373
EPA ID:	CAL000434888

REDLANDS AUTO ELECTRIC (Continued) **S122218713**

Inactive Date:	Not reported
Create Date:	04/11/2018
Last Act Date:	08/19/2019
Mailing Name:	Not reported
Mailing Address:	1165 W. PARK AVE.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDLANDS, CA 92373
Owner Name:	JAMES COOPER
Owner Address:	33909 ENOCH AVE.
Owner Address 2:	Not reported
Owner City,State,Zip:	YUCAIPA, CA 923990000
Contact Name:	JAMES COOPER
Contact Address:	1165 W. PARK AVE.
Contact Address 2:	Not reported
City,State,Zip:	REDLANDS, CA 92373

NAICS:

EPA ID:	CAL000434888
Create Date:	2018-04-11 10:48:05
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2018-04-11 10:48:05
Inactive Date:	Not reported
Facility Name:	REDLANDS AUTO ELECTRIC
Facility Address:	1165 W PARK AVE
Facility Address 2:	Not reported
Facility City:	REDLANDS
Facility County:	36
Facility State:	CA
Facility Zip:	92373

L59 **REDLANDS AUTO ELECTRIC** **RCRA NonGen / NLR** **1024866304**
NE **1165 W PARK AVE** **CAL000434888**
1/8-1/4 **REDLANDS, CA 92373**
0.213 mi.
1123 ft. **Site 8 of 9 in cluster L**

Relative:
Higher

Actual:
1276 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-04-11 00:00:00.0
Facility name:	REDLANDS AUTO ELECTRIC
Facility address:	1165 W PARK AVE REDLANDS, CA 92373
EPA ID:	CAL000434888
Contact:	JAMES COOPER
Contact address:	1165 W PARK AVE REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-792-4776
Contact email:	JAMCP@AOL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JAMES COOPER
Owner/operator address:	1165 W PARK AVE REDLANDS, CA 92373

REDLANDS AUTO ELECTRIC (Continued) **1024866304**

Owner/operator country: Not reported
Owner/operator telephone: 909-792-4776
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAMES COOPER
Owner/operator address: 1165 W PARK AVE
REDLANDS, CA 92373
Owner/operator country: Not reported
Owner/operator telephone: 909-792-4776
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

M60 **ROBERTSON'S** **US MINES** **1016468830**
West **N/A**
1/8-1/4 **SAN BERNARDINO (County), CA**
0.233 mi.
1228 ft. **Site 1 of 2 in cluster M**

Relative: US MINES:
Lower
Sic Code(s): 144200
Actual: Sic Code(s): 000000
1231 ft. Sic Code(s): 000000
Sic Code(s): 000000
Sic Code(s): 000000
Sic Code(s): 000000
Mine ID: 0404652
Entity Name: REDLANDS
Company: ROBERTSON'S

ROBERTSON'S (Continued) **1016468830**

Status:	1
Status Date:	19830707
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	34
Longitude Degree:	117
Latitude Minute:	03
Latitude Seconds:	25
Longitude Minutes:	12
Longitude Seconds:	30
Number of Pits:	000

L61 **L & L TOWING** **San Bern. Co. Permit** **S104767645**
ENE **1143 PARK AVE** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.235 mi.
1241 ft. **Site 9 of 9 in cluster L**

Relative: **Higher**

Actual: **1278 ft.**

San Bern. Co. Permit:

Name:	L & L TOWING
Address:	1143 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004316
Owner:	ANDERSON, HAROLD
Permit Number:	PT0006953
Permit Category:	SPECIAL HANDLER
Facility Status:	INACTIVE
Expiration Date:	12/31/2010

Name:	L & L TOWING
Address:	1143 PARK AVE
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0004316
Owner:	ANDERSON, HAROLD
Permit Number:	PT0006954
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	12/31/2010

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62 **GTE / REDLANDS PLANT YARD** **SWEEPS UST** **S101591209**
ESE **1130 W STATE ST** **CA FID UST** **N/A**
1/8-1/4 **REDLANDS, CA 92373**
0.244 mi.
1286 ft.

Relative: **Higher**

Actual: **1281 ft.**

SWEEPS UST:

Name:	GTE / REDLANDS PLANT YARD
Address:	1130 W STATE ST
City:	REDLANDS
Status:	Active
Comp Number:	9037
Number:	1
Board Of Equalization:	44-020053

GTE / REDLANDS PLANT YARD (Continued) **S101591209**

Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-23-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-009037-000001
Tank Status: A
Capacity: 1
Active Date: 09-23-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: 2

Name: GTE / REDLANDS PLANT YARD
Address: 1130 W STATE ST
City: REDLANDS
Status: Active
Comp Number: 9037
Number: 1
Board Of Equalization: 44-020053
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-23-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-009037-000002
Tank Status: A
Capacity: 1
Active Date: 09-23-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36002677
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 4950 PALO VERDE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92373
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

63 SCE REDLANDS LAYDOWN YARD **CERS HAZ WASTE** **S124441336**
NNW 10616 KANSAS ST **San Bern. Co. Permit** **N/A**
1/8-1/4 REDLANDS, CA 92373 **CERS**
0.244 mi.
1288 ft.

Relative:
Lower

Actual:
1249 ft.

CERS HAZ WASTE:

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	549109
CERS ID:	10809220
CERS Description:	Hazardous Waste Generator

San Bern. Co. Permit:

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0018336
Owner:	Southern California Edison
Permit Number:	PT0039656
Permit Category:	LARGE QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2020

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Region:	SAN BERNARDINO
Facility ID:	FA0018336
Owner:	Southern California Edison
Permit Number:	PT0039657
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2020

CERS:

Name:	SCE REDLANDS LAYDOWN YARD
Address:	10616 KANSAS ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	549109
CERS ID:	10809220
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported

SCE REDLANDS LAYDOWN YARD (Continued) **S124441336**

Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 302-1212
Affiliation Type Desc:	Parent Corporation
Entity Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 302-1212
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported

N64
WSW
1/8-1/4
0.249 mi.
1314 ft.

QA PROCESSOR SERVICE
302 ALABAMA ST, STE8
REDLANDS, CA 92373

Site 1 of 5 in cluster N

HWP **S100942968**
N/A

Relative:
Lower

Actual:
1224 ft.

HWP:

Name:	QA PROCESSOR SERVICE
Address:	302 ALABAMA ST, STE8
City,State,Zip:	REDLANDS, CA 923730000
EPA Id:	CAD983604000
Cleanup Status:	CLOSED
Latitude:	34.05584
Longitude:	-117.2070
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	40
Senate District:	23
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Closure:

EPA Id:	CAD983604000
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	01/01/1999

N65
WSW
1/8-1/4
0.249 mi.
1314 ft.

DIAGNOSTIC IMAGING INC
302 ALABAMA ST SUITE 8
REDLANDS, CA 92373

Site 2 of 5 in cluster N

RCRA-SQG **1000596429**
FINDS **CAD983604000**

Relative:
Lower

Actual:
1224 ft.

RCRA-SQG:

Date form received by agency:	1999-09-17 00:00:00.0
Facility name:	DIAGNOSTIC IMAGING INC
Facility address:	302 ALABAMA ST SUITE 8 REDLANDS, CA 92373-8033
EPA ID:	CAD983604000
Contact:	RONALD RICHARDS
Contact address:	302 ALABAMA ST SUITE 8 REDLANDS, CA 92373-8033
Contact country:	US
Contact telephone:	909-793-1881
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Owner/Operator Summary:
- Owner/operator name: DIAGNOSTIC IMAGING INC
- Owner/operator address: 4345 SOUTHPOINT BLVD
  JACKSONVILLE, FL 32216
- Owner/operator country: Not reported
- Owner/operator telephone: 904-332-3265
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Other
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: Yes
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 1999-09-17 00:00:00.0
- Site name: DIAGNOSTIC IMAGING INC
- Classification: Small Quantity Generator

Hazardous Waste Summary:

- Waste code: D000
- Waste name: Not Defined

- Waste code: D011
- Waste name: SILVER

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: TSD - Preparedness and Prevention
- Date violation determined: 1996-06-19 00:00:00.0
- Date achieved compliance: 1996-06-19 00:00:00.0
- Violation lead agency: State
  - Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
  - Enforcement action date: 1996-06-19 00:00:00.0
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1996-06-19 00:00:00.0
Date achieved compliance: 1996-06-19 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1996-06-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1996-06-19 00:00:00.0
Date achieved compliance: 1996-06-19 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1996-06-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1996-06-19 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1996-06-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1996-06-19 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1996-06-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1996-06-19 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1996-06-19 00:00:00.0
Evaluation lead agency: State

FINDS:
Registry ID: 110002859416
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002859416

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource

DIAGNOSTIC IMAGING INC (Continued) **1000596429**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N66 **EMPIRE KARTS** **RCRA-SQG** **1004676797**
WSW **302 ALABAMA NO 9** **FINDS** **CAR000089581**
1/8-1/4 **REDLANDS, CA 92373** **ECHO**
0.249 mi.
1314 ft. **Site 3 of 5 in cluster N**

Relative: **Lower**
Actual: **1224 ft.**

RCRA-SQG:

Date form received by agency:	2001-01-05 00:00:00.0
Facility name:	EMPIRE KARTS
Facility address:	302 ALABAMA NO 9 REDLANDS, CA 92373
EPA ID:	CAR000089581
Contact:	BILL BURROS
Contact address:	302 ALABAMA NO 9 REDLANDS, CA 92373
Contact country:	US
Contact telephone:	909-793-7532
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BILL BURROS
Owner/operator address:	302 ALABAMA NO 9 REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-793-7532
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

EMPIRE KARTS (Continued) **1004676797**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:
Registry ID: 110012266555
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110012266555

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004676797
Registry ID:	110012266555
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012266555
Name:	EMPIRE KARTS
Address:	302 ALABAMA NO 9
City,State,Zip:	REDLANDS, CA 92373

N67 **RCRA NonGen / NLR** **1025876388**
WSW **302 ALABAMA ST UNIT 5** **CAL000449524**
1/8-1/4 **REDLANDS, CA 92373**
0.249 mi.
1314 ft. **Site 4 of 5 in cluster N**

Relative:
Lower

Actual:
1224 ft.

RCRA NonGen / NLR:

Date form received by agency:	2019-10-01 00:00:00.0
Facility name:	Not reported
Facility address:	302 ALABAMA ST UNIT 5 REDLANDS, CA 92373
EPA ID:	CAL000449524
Mailing address:	505 SANSOME ST STE 900 SAN FRANCISCO, CA 94111
Contact:	JOE PIMENTEL
Contact address:	505 SANSOME ST STE 900 SAN FRANCISCO, CA 94111
Contact country:	Not reported
Contact telephone:	415-819-5797
Contact email:	JOE.PIMENTEL@FOUNDATIONWINDPOWER.COM

(Continued) **1025876388**

EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MATT WILSON
Owner/operator address: 505 SANSOME ST STE 900
SAN FRANCISCO, CA 94111
Owner/operator country: Not reported
Owner/operator telephone: 415-320-9342
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOE PIMENTEL
Owner/operator address: 505 SANSOME ST STE 900
SAN FRANCISCO, CA 94111
Owner/operator country: Not reported
Owner/operator telephone: 415-819-5797
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

N68 **JOSEPH BARROS** **RCRA NonGen / NLR** **1024752235**
WSW **302 ALABAMA ST. #10** **CAC002972039**
1/8-1/4 **REDLANDS, CA 92373**
0.249 mi.
1314 ft. **Site 5 of 5 in cluster N**

Relative:
Lower

Actual:
1224 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-07-20 00:00:00.0
Facility name:	JOSEPH BARROS
Facility address:	302 ALABAMA ST. #10 REDLANDS, CA 92373
EPA ID:	CAC002972039
Contact:	JOE BARROS
Contact address:	302 ALABAMA ST. #10 REDLANDS, CA 92373
Contact country:	Not reported
Contact telephone:	909-222-0668
Contact email:	TDCCOMPONENTS@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JOE BARROS
Owner/operator address:	302 ALABAMA ST. #10 REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-222-0668
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOE BARROS
Owner/operator address:	302 ALABAMA ST. #10 REDLANDS, CA 92373
Owner/operator country:	Not reported
Owner/operator telephone:	909-557-3054
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

JOSEPH BARROS (Continued) **1024752235**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

69
NNE
1/4-1/2
0.265 mi.
1401 ft.

ARGON FUEL **CPS-SLIC S122853929**
1205/1255 REDLANDS BLVD **CERS N/A**
REDLANDS, CA 92373

Relative:
Higher

Actual:
1273 ft.

CPS-SLIC:

Name:	ARGON FUEL
Address:	1205/1255 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92373
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	07/13/2018
Global Id:	T10000011531
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.06056
Longitude:	-117.20033
Case Type:	Cleanup Program Site
Case Worker:	CAB
Local Agency:	Not reported
RB Case Number:	T10000011531
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	On June 19, 2003, various above ground fuel storage tanks (ASTs), above and below ground piping, and fuel dispensers were removed from the site during demolition activities. The ASTs were reported to contain diesel fuel, gasoline or kerosene. Additionally, an underground storage tank (UST) containing waste oil was also excavated and removed. The tank and fuel system removal activities were completed by A&J ENVIRONMENTAL, INC. of Riverside, California. During the removal of the various fueling systems on June 19, 2003, under the supervision of Ms. Betti MacGregor of the SBCFD, initial compliance soil samples were collected by A&J staff. All samples were collected between approximately two and three feet below site grade. The results of the soil analyses showed evidence of petroleum fuel releases near several of the fueling system features. On December 18, 2003, AEM observed the excavation of the shallow soil in the areas of elevated concentrations of petroleum compounds, based on the previous samples collected on June 19, 2003. Verification samples were then collected from the bottom and sidewalls of five distinct excavated areas. These verification soil samples indicated that the vertical extent of impacted soil was not removed in three of the five excavation locations.

Click here to access the California GeoTracker records for this facility:

ARGON FUEL (Continued) **S122853929**

CERS:
- Name: ARGON FUEL
- Address: 1205/1255 REDLANDS BLVD
- City,State,Zip: REDLANDS, CA 92373
- Site ID: 440736
- CERS ID: T10000011531
- CERS Description: Cleanup Program Site

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
- Entity Title: Not reported
- Affiliation Address: 3737 MAIN STREET, SUITE 500
- Affiliation City: RIVERSIDE
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 9517824495

M70 **BROOKSIDE DAIRY** **LUST** **S102425785**
West **325 ALABAMA ST** **HIST CORTESE** **N/A**
1/4-1/2 **REDLANDS, CA 92373** **CERS**
0.271 mi.
1431 ft. **Site 2 of 2 in cluster M**

Relative: **Lower**
Actual: **1229 ft.**

LUST:
- Name: BROOKSIDE DAIRY
- Address: 325 ALABAMA ST
- City,State,Zip: REDLANDS, CA 92373
- Lead Agency: SAN BERNARDINO COUNTY
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100050
- Global Id: T0607100050
- Latitude: 34.057142
- Longitude: -117.209667
- Status: Completed - Case Closed
- Status Date: 04/11/1988
- Case Worker: Not reported
- RB Case Number: 083600475T
- Local Agency: Not reported
- File Location: Local Agency
- Local Case Number: 87091
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: Heating Oil / Fuel Oil
- Site History: Not reported

LUST:
- Global Id: T0607100050
- Contact Type: Regional Board Caseworker
- Contact Name: PATRICIA HANNON
- Organization Name: SANTA ANA RWQCB (REGION 8)
- Address: 3737 MAIN STREET, SUITE 500
- City: RIVERSIDE
- Email: patricia.hannon@waterboards.ca.gov
- Phone Number: Not reported

BROOKSIDE DAIRY (Continued) **S102425785**

LUST:
Global Id: T0607100050
Action Type: Other
Date: 07/20/1987
Action: Leak Reported

Global Id: T0607100050
Action Type: REMEDIATION
Date: 03/01/1988
Action: Excavation

LUST:
Global Id: T0607100050
Status: Open - Case Begin Date
Status Date: 07/20/1986

Global Id: T0607100050
Status: Open - Site Assessment
Status Date: 07/20/1987

Global Id: T0607100050
Status: Completed - Case Closed
Status Date: 04/11/1988

LUST REG 8:
Name: BROOKSIDE DAIRY
Address: 325 ALABAMA ST
City: REDLANDS
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083600475T
Local Case Num: 87091
Case Type: Aquifer affected
Substance: #4 Fuel Oil
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: BARTON
Enf Type: Not reported
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global ID: T0607100050
How Stopped Date: Not reported
Enter Date: 7/20/1987
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: Not reported
Enforcement Date: Not reported
Close Date: 4/11/1988
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: 7/20/1987

BROOKSIDE DAIRY (Continued) **S102425785**

Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/20/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0593426
Longitude:	-117.2090997
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

HIST CORTESE:

edr_fname:	BROOKSIDE DAIRY
edr_fadd1:	325 ALABAMA
City,State,Zip:	REDLANDS, CA 92373
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083600475T

CERS:

Name:	BROOKSIDE DAIRY
Address:	325 ALABAMA ST
City,State,Zip:	REDLANDS, CA 92373
Site ID:	215775
CERS ID:	T0607100050
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	PATRICIA HANNON - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

71
WNW
1/4-1/2
0.350 mi.
1850 ft.

REDLANDS COMMUNITY DAY SCHOOL
ALABAMA STREET/WEST PARK AVENUE
REDLANDS, CA 92373

ENVIROSTOR SCH

S106153062
N/A

Relative:
Lower

Actual:
1229 ft.

ENVIROSTOR:

Name:	REDLANDS COMMUNITY DAY SCHOOL
Address:	ALABAMA STREET/WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36010050
Status:	No Further Action
Status Date:	10/22/2004
Site Code:	404512
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	8
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	40
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05861
Longitude:	-117.21
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Toxaphene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	REDLANDS COMMUNITY DAY SCHOOL
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. OFFICE OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO OE-PRPSD REDLAND COM.DAY
Alias Type:	Alternate Name
Alias Name:	404512
Alias Type:	Project Code (Site Code)
Alias Name:	36010050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/22/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/06/2004
Comments:	Not reported

REDLANDS COMMUNITY DAY SCHOOL (Continued) **S106153062**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/10/2004
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/13/2004
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	REDLANDS COMMUNITY DAY SCHOOL
Address:	ALABAMA STREET/WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36010050
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	8
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Amit Pathak
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404512
Assembly:	40
Senate:	23
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	10/22/2004
Restricted Use:	NO
Funding:	School District
Latitude:	34.05861
Longitude:	-117.21
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Toxaphene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	REDLANDS COMMUNITY DAY SCHOOL
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. OFFICE OF EDUCATION

REDLANDS COMMUNITY DAY SCHOOL (Continued) **S106153062**

Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO OE-PRPSD REDLAND COM.DAY
Alias Type:	Alternate Name
Alias Name:	404512
Alias Type:	Project Code (Site Code)
Alias Name:	36010050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/22/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/06/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/10/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/13/2004
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

72
WNW
1/4-1/2
0.475 mi.
2508 ft.

LAYNE CHRISTENSEN REDLANDS PROPERTY **ENVIROSTOR** **S121475142**
1675 WEST PARK AVENUE **VCP** **N/A**
REDLANDS, CA 92373

Relative:
Lower

Actual:
1220 ft.

ENVIROSTOR:

Name:	LAYNE CHRISTENSEN REDLANDS PROPERTY
Address:	1675 WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	60002340
Status:	Certified
Status Date:	10/15/2019
Site Code:	401739
Site Type:	Voluntary Cleanup

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Site Type Detailed:	Voluntary Cleanup
Acres:	7.08
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Chia Rin Yen
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 40
Senate:	, 23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.05845
Longitude:	-117.2120
APN:	0292-158-15-0000, 029215801
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	Dieldrin
Confirmed COC:	Dieldrin
Potential Description:	SOIL
Alias Name:	0292-158-15-0000
Alias Type:	APN
Alias Name:	029215801
Alias Type:	APN
Alias Name:	401739
Alias Type:	Project Code (Site Code)
Alias Name:	60002340
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	11/15/2017
Comments:	VCP application submitted by new RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/10/2018
Comments:	DTSC conditionally approved the PEA provided a land use covenant is executed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	05/24/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Community Profile
Completed Date:	12/17/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Completed Document Type: Fact Sheets
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/14/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/31/2018
Comments: FY 18/19 Estimate: $27,193

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/29/2018
Comments: DTSC prepared a revised cost estimate to reflect changes in the scope of work

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 11/29/2017

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Comments:	Fully executed VCA sent to Michael McKenna via Certified Mail on 11/29/17.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/09/2018
Comments:	DTSC conducted a drive by site visit prior to approval of the PEA
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	01/28/2019
Comments:	NOD was sent by overnight mail to DTSC Sacramento for filing with OPR on 1/29/2019.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Land Use Restriction
Schedule Due Date:	07/28/2018
Schedule Revised Date:	11/08/2018

VCP:

Name:	LAYNE CHRISTENSEN REDLANDS PROPERTY
Address:	1675 WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	60002340
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	7.08
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Chia Rin Yen
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401739
Assembly:	, 40
Senate:	, 23
Special Programs Code:	Not reported
Status:	Certified
Status Date:	10/15/2019
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.05845 / -117.2120
APN:	0292-158-15-0000, 029215801
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	30207
Confirmed COC:	30207
Potential Description:	SOIL
Alias Name:	0292-158-15-0000

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Alias Type: APN
Alias Name: 029215801
Alias Type: APN
Alias Name: 401739
Alias Type: Project Code (Site Code)
Alias Name: 60002340
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 11/15/2017
Comments: VCP application submitted by new RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/10/2018
Comments: DTSC conditionally approved the PEA provided a land use covenant is executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/03/2019
Comments: Not reported

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	02/26/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/14/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	07/31/2018
Comments:	FY 18/19 Estimate: $27,193

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	09/11/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/29/2018
Comments:	DTSC prepared a revised cost estimate to reflect changes in the scope of work

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	11/29/2017
Comments:	Fully executed VCA sent to Michael McKenna via Certified Mail on 11/29/17.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/09/2018
Comments:	DTSC conducted a drive by site visit prior to approval of the PEA

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	01/28/2019
Comments:	NOD was sent by overnight mail to DTSC Sacramento for filing with OPR on 1/29/2019.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported

LAYNE CHRISTENSEN REDLANDS PROPERTY (Continued) **S121475142**

Schedule Document Type: Land Use Restriction
Schedule Due Date: 07/28/2018
Schedule Revised Date: 11/08/2018

73
NNW
1/4-1/2
0.486 mi.
2564 ft.

CALIFORNIA TARGET ENTP. #943 **LUST S102426139**
1580 REDLANDS BLVD **CERS N/A**
REDLANDS, CA 92375

Relative:
Lower

Actual:
1242 ft.

LUST:

Name:	CALIFORNIA TARGET ENTP. #943
Address:	1580 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92375
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100419
Global Id:	T0607100419
Latitude:	34.063124
Longitude:	-117.208096
Status:	Completed - Case Closed
Status Date:	01/16/2004
Case Worker:	Not reported
RB Case Number:	083602863T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	96037
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History:	Not reported

LUST:

Global Id:	T0607100419
Contact Type:	Regional Board Caseworker
Contact Name:	MIGUEL OVIEDO
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 Main Street, Suite 500
City:	RIVERSIDE
Email:	miguel.oviedo@waterboards.ca.gov
Phone Number:	9517823238

LUST:

Global Id:	T0607100419
Action Type:	Other
Date:	07/26/1995
Action:	Leak Reported

Global Id:	T0607100419
Action Type:	Other
Date:	07/26/1995
Action:	Leak Discovery

Global Id:	T0607100419
Action Type:	REMEDIATION
Date:	04/21/2004
Action:	Not reported

Global Id: T0607100419

CALIFORNIA TARGET ENTP. #943 (Continued) **S102426139**

Action Type: Other
Date: 07/26/1995
Action: Leak Stopped

Global Id: T0607100419
Action Type: ENFORCEMENT
Date: 01/16/2004
Action: Closure/No Further Action Letter

LUST:
Global Id: T0607100419
Status: Open - Case Begin Date
Status Date: 05/11/1995

Global Id: T0607100419
Status: Open - Site Assessment
Status Date: 05/11/1995

Global Id: T0607100419
Status: Open - Site Assessment
Status Date: 07/26/1995

Global Id: T0607100419
Status: Completed - Case Closed
Status Date: 01/16/2004

LUST REG 8:
Name: CALIFORNIA TARGET ENTP. #943
Address: 1580 REDLANDS BLVD
City: REDLANDS
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083602863T
Local Case Num: 96037
Case Type: Soil only
Substance: 8006619, MTB
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: ALABAMA
Enf Type: Not reported
Funding: Federal Funds
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0607100419
How Stopped Date: 7/26/1995
Enter Date: 9/12/1996
Date Confirmation of Leak Began: 7/26/1995
Date Preliminary Assessment Began: 5/11/1995
Discover Date: 7/26/1995
Enforcement Date: Not reported
Close Date: 1/16/2004

CALIFORNIA TARGET ENTP. #943 (Continued) **S102426139**

Date Prelim Assessment Workplan Submitted:	7/26/1995
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/12/1996
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0608015
Longitude:	-117.1998383
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	TME
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	MUN
Priority:	A2
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: NEW RP: PRIME - JC LLC/ CHARLES COMPANY, CONTACT: DOUG CARR, 9171 WILSHIRE BLVD., SUITE #600, BEVERLY HILLS, CA 90210

CERS:

Name:	CALIFORNIA TARGET ENTP. #943
Address:	1580 REDLANDS BLVD
City,State,Zip:	REDLANDS, CA 92375
Site ID:	243057
CERS ID:	T0607100419
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517823238

74
WNW
1/2-1
0.700 mi.
3698 ft.

REDLANDS EARLY EDUCATION CENTER
1712 WEST PARK AVENUE
REDLANDS, CA 92373

ENVIROSTOR
SCH
CERS

S105628840
N/A

Relative:
Lower

Actual:
1205 ft.

ENVIROSTOR:

Name:	REDLANDS EARLY EDUCATION CENTER
Address:	1712 WEST PARK AVENUE
City,State,Zip:	REDLANDS, CA 92373
Facility ID:	36010023
Status:	No Further Action
Status Date:	04/19/2002
Site Code:	404257
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	40
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05977
Longitude:	-117.2163
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Chlordane DDD DDE DDT Lead
Confirmed COC:	30004-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description:	SOIL
Alias Name:	REDLANDS EARLY EDUCATION CENTER
Alias Type:	Alternate Name
Alias Name:	REDLANDS EARLY EDUCATION CTR. (PROPOSED)
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO CO. SUPT. OF SCHOOLS
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO COE-REDLANDS EARLY ED CTR
Alias Type:	Alternate Name
Alias Name:	SAN BERNARDINO COUNTY SUPERINTENDENT SCH
Alias Type:	Alternate Name
Alias Name:	404257
Alias Type:	Project Code (Site Code)
Alias Name:	36010023
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	11/02/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/19/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: REDLANDS EARLY EDUCATION CENTER
Address: 1712 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36010023
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.2
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404257
Assembly: 40
Senate: 23
Special Program Status: Not reported
Status: No Further Action
Status Date: 04/19/2002
Restricted Use: NO
Funding: School District
Latitude: 34.05977
Longitude: -117.2163
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Chlordane, DDD, DDE, DDT, Lead
Confirmed COC: 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

Potential Description: SOIL
Alias Name: REDLANDS EARLY EDUCATION CENTER
Alias Type: Alternate Name
Alias Name: REDLANDS EARLY EDUCATION CTR. (PROPOSED)
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO CO. SUPT. OF SCHOOLS
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO COE-REDLANDS EARLY ED CTR
Alias Type: Alternate Name
Alias Name: SAN BERNARDINO COUNTY SUPERINTENDENT SCH
Alias Type: Alternate Name
Alias Name: 404257
Alias Type: Project Code (Site Code)
Alias Name: 36010023
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/19/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: REDLANDS EARLY EDUCA
Address: 1712 WEST PARK AVENUE
City,State,Zip: REDLANDS, CA 92373
Site ID: 342104
CERS ID: 36010023

REDLANDS EARLY EDUCATION CENTER (Continued) **S105628840**

CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: YOLANDA GARZA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

O75 **SO CAL GAS/REDLANDS MGP** **EDR MGP** **1008407741**
East **STATE STREET AT REDLANDS BLVD** **N/A**
1/2-1 **REDLANDS, CA 92373**
0.729 mi.
3851 ft. **Site 1 of 2 in cluster O**

Relative: Higher
Actual: 1323 ft.

Manufactured Gas Plants:

The site is a 1-acre parcel which was operated as a MGP from 1906 to 1921 by various utility companies. In 1921, the Gas Company discontinued operations at the site. The site was dismantled prior to 1928. PEA field work conducted in June 1993 revealeed visible soil contamination (possibly with lampblack).

O76 **SO CAL GAS/REDLANDS I (STATE ST.) MGP** **ENVIROSTOR** **S106568286**
East **STATE STREET AT REDLANDS BL.** **VCP** **N/A**
1/2-1 **REDLANDS, CA 92373**
0.759 mi.
4006 ft. **Site 2 of 2 in cluster O**

Relative: Higher
Actual: 1324 ft.

ENVIROSTOR:
Name: SO CAL GAS/REDLANDS I (STATE ST.) MGP
Address: STATE STREET AT REDLANDS BL.
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36490112
Status: Active
Status Date: 07/28/2000
Site Code: 400336
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 40
Senate: 23
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05720
Longitude: -117.1890
APN: NONE SPECIFIED

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Past Use: MANUFACTURED GAS PLANT
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS * OXYGENATED SOLVENTS * CONTAMINATED SOIL * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES Benzene Lead Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC: 10196-NO 10198-NO Benzene 10003-NO 10009-NO Lead 10064-NO 10067-NO 10097-NO Polynuclear aromatic hydrocarbons (PAHs
Potential Description: SOIL
Alias Name: REDLANDS I
Alias Type: Alternate Name
Alias Name: REDLANDS I MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SO CAL GAS CO - REDLANDS
Alias Type: Alternate Name
Alias Name: SO CAL GAS/REDLANDS (REDLANDS BL) MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/REDLANDS (STATE ST.) MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT - REDLANDS
Alias Type: Alternate Name
Alias Name: TOWN GAS SITE - REDLANDS
Alias Type: Alternate Name
Alias Name: 110033615737
Alias Type: EPA (FRS #)
Alias Name: 400336
Alias Type: Project Code (Site Code)
Alias Name: 36490112
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2001
Comments: RP placed wood chips to fully cover the exposed soil in two planters at the site. High concentrations of lead have been detected at these planters during previous investigations. The placement of these wood chips is a temporary measure that will minimize the contaminant exposure to human health.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/11/2003
Comments: CEQA - ND: DTSC completed Removal Action Workplan (RAW) and Negative Declaration (ND). The RAW and ND were approved on 9/11/03. The Notice of Determination (NOD) of a CEQA was signed on 9/11/03. Removal action will occur with the adjacent Redlands II site. The proposed cleanup option is excavation and offsite treatment and offsite stabilization. Approximately 40,000 cubic yards of contaminated soil will be removed from these two sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/20/2001
Comments: The Workplan documents the additional site investigation activities to be conducted as required by DTSC at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/21/2002
Comments: DTSC approved the SI report as complete. A Removal Action Workplan will be developed to address the contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2009
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/28/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation to further characterize the existing soil contamination and to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: DTSC sent the cost estimate for the upcoming year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Date: 10/30/2018
Comments: O&M not required.

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: The Gas Co. informed that there is no O&M activity required for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Cost Estimated

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021
Future Area Name: Property 3
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2020
Future Area Name: Property 1
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2020
Future Area Name: Property 2
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SO CAL GAS/REDLANDS I (STATE ST.) MGP
Address: STATE STREET AT REDLANDS BL.
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36490112
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 400336
Assembly: 40
Senate: 23
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 07/28/2000
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05720 / -117.1890
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 10003, 10009, 10064, 10067, 10097, 10196, 10198, 30003, 30013, 30019
Confirmed COC: 10196-NO,10198-NO,30003,10003-NO,10009-NO,30013,10064-NO,10067-NO, 10097-NO,30019
Potential Description: SOIL
Alias Name: REDLANDS I
Alias Type: Alternate Name
Alias Name: REDLANDS I MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SO CAL GAS CO - REDLANDS
Alias Type: Alternate Name
Alias Name: SO CAL GAS/REDLANDS (REDLANDS BL) MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/REDLANDS (STATE ST.) MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT - REDLANDS
Alias Type: Alternate Name
Alias Name: TOWN GAS SITE - REDLANDS
Alias Type: Alternate Name
Alias Name: 110033615737
Alias Type: EPA (FRS #)
Alias Name: 400336
Alias Type: Project Code (Site Code)
Alias Name: 36490112

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2001
Comments: RP placed wood chips to fully cover the exposed soil in two planters at the site. High concentrations of lead have been detected at these planters during previous investigations. The placement of these wood chips is a temporary measure that will minimize the contaminant exposure to human health.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/11/2003
Comments: CEQA - ND: DTSC completed Removal Action Workplan (RAW) and Negative Declaration (ND). The RAW and ND were approved on 9/11/03. The Notice of Determination (NOD) of a CEQA was signed on 9/11/03. Removal action will occur with the adjacent Redlands II site. The proposed cleanup option is excavation and offsite treatment and offsite stabilization. Approximately 40,000 cubic yards of contaminated soil will be removed from these two sites.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/1994
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/20/2001
Comments: The Workplan documents the additional site investigation activities to be conducted as required by DTSC at the site.

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/21/2002
Comments: DTSC approved the SI report as complete. A Removal Action Workplan will be developed to address the contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2009
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/06/2010
Comments: DTSC approved the RACR. An LUC along with the soil management plan is required to certify the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/28/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Site Investigation to further characterize the existing soil contamination and to prepare a removal action workplan and implement a removal action under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: DTSC sent the cost estimate for the upcoming year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: Not reported

Completed Area Name: Property 2
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: Not reported

Completed Area Name: Property 3
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/30/2018
Comments: O&M not required.

Completed Area Name: Property 1
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/30/2016
Comments: The Gas Co. informed that there is no O&M activity required for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018

SO CAL GAS/REDLANDS I (STATE ST.) MGP (Continued) **S106568286**

Comments:	Cost Estimated
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2026
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2021
Future Area Name:	Property 3
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2020
Future Area Name:	Property 1
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2020
Future Area Name:	Property 2
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2020
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

P77 **TELEDYNE INC TELEDYNE BATTERY** **CORRACTS** **1000201836**
NE **840 W BROCKTON AVE** **RCRA-TSDF** **CAD008386641**
1/2-1 **REDLANDS, CA 92373** **RCRA-LQG**
0.807 mi. **2020 COR ACTION**
4259 ft. **Site 1 of 2 in cluster P** **RAATS**

Relative: Higher
Actual: 1311 ft.

CORRACTS:

EPA ID:	CAD008386641
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	2012-01-09 00:00:00.0
Action:	CA550RC
NAICS Code(s):	335911 Storage Battery Manufacturing
Original schedule date:	2012-02-08 00:00:00.0
Schedule end date:	Not reported

EPA ID:	CAD008386641
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	2011-10-18 00:00:00.0
Action:	CA550RC
NAICS Code(s):	335911 Storage Battery Manufacturing
Original schedule date:	2011-12-22 00:00:00.0
Schedule end date:	Not reported

EPA ID:	CAD008386641
EPA Region:	09
Area Name:	ENTIRE FACILITY

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Actual Date: 2011-01-18 00:00:00.0
Action: CA550RC
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: 2011-01-18 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2004-06-28 00:00:00.0
Action: CA350 - CMS Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2004-06-28 00:00:00.0
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2000-05-15 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: 2000-05-15 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2000-05-15 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: 2000-05-15 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE SITE
Actual Date: 2000-01-19 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1995-10-25 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1993-12-17 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1993-08-20 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1992-11-10 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1987-09-30 00:00:00.0
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: 1987-09-30 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1987-09-30 00:00:00.0
Action: CA050 - RFA Completed

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: 1987-09-30 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD008386641
EPA Region: 09
Area Name: WHSE SITE
Actual Date: 1985-10-25 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 335911
Storage Battery Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-10-22 00:00:00.0
Facility name: TELEDYNE BATTERY PRODUCTS
Facility address: 840 W. BROCKTON
REDLANDS, CA 92374-2902
EPA ID: CAD008386641
Mailing address: WEST BROCKTON AVE
840 W BROCKTON AVE
REDLANDS, CA 92374
Contact: MICHAEL VOLPONE
Contact address: W BROCKTON AVE 840 W. BROCKTON AVE
REDLANDS, CA 92374
Contact country: US
Contact telephone: 909-793-3131
Telephone ext.: 139
Contact email: MICHAEL.VOLPONE@TELEDYNE.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Owner/operator address: CAMINO DOS RIOS 1049 CAMINO DOS RIOS
THOUSANDS OAKS, CA 92374
Owner/operator country: US
Owner/operator telephone: 805-373-4540

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE TECHNOLOGIES, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE BATTERY PRODUCTS
Owner/operator address: W BROCKTON AVE 840 W BROCKTON AVE
REDLANDS, CA 92374
Owner/operator country: US
Owner/operator telephone: 909-793-3131
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TYLEDYNE TECHNOLOGIES, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Historical Generators:
Date form received by agency: 2016-03-01 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2014-10-22 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2012-07-27 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-24 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-21 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2006-03-07 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Classification: Large Quantity Generator

Date form received by agency: 2004-09-03 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS BATTERY PROD
Classification: Large Quantity Generator

Date form received by agency: 2002-02-27 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2000-08-08 00:00:00.0
Site name: T C M BATTERY PRODUCTS OPERATION
Classification: Large Quantity Generator

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date form received by agency: 1999-03-04 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: T C M BATTERY PRODUCTS OPERATION
Classification: Large Quantity Generator

Date form received by agency: 1994-03-18 00:00:00.0
Site name: TELEDYNE AIRCRAFT PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1990-04-05 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6484789.8

Waste code: D008
Waste name: LEAD
Amount (Lbs): 7051932.8

Corrective Action Summary:
Event date: 1985-10-25 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1987-09-30 00:00:00.0
Event: RFA COMPLETED

Event date: 1987-09-30 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 1987-09-30 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Event date: 1989-02-24 00:00:00.0
Event: 3008(H) ENFORCMT INTERIM STATUS

Event date: 1989-02-24 00:00:00.0
Event: INVESTIGATION IMPOSITION

Event date: 1989-02-24 00:00:00.0
Event: CMS IMPOSITION

Event date: 1991-12-18 00:00:00.0
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 1992-11-10 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1992-11-10 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1993-08-20 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 1993-08-20 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 1993-12-17 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 1995-10-25 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1996-11-27 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1999-05-12 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 1999-05-12 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2000-01-19 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2000-05-15 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2000-05-15 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2000-05-15 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2000-05-15 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Event date: 2004-06-28 00:00:00.0
Event: CMS COMPLETE

Event date: 2004-06-28 00:00:00.0
Event: CMI WORKPLAN APPROVED

Event date: 2011-01-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2011-01-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2011-10-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2012-01-09 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 2018-05-09 00:00:00.0
Date achieved compliance: 2018-06-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2018-05-09 00:00:00.0
Date achieved compliance: 2018-06-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2010-10-06 00:00:00.0
Date achieved compliance: 2011-01-10 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-12-08 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2010-10-06 00:00:00.0
Date achieved compliance: 2011-01-10 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-11-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1994-08-04 00:00:00.0
Date achieved compliance: 1994-09-29 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-04-15 00:00:00.0
Date achieved compliance: 1993-05-07 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-04-15 00:00:00.0
Date achieved compliance: 1993-05-07 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-07-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37725

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-07-06 00:00:00.0
Date achieved compliance: 1993-12-07 00:00:00.0
Violation lead agency: State
Enforcement action: OPERATION AND MAINTENANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-07-06 00:00:00.0
Date achieved compliance: 1993-12-07 00:00:00.0
Violation lead agency: State
Enforcement action: OPERATION AND MAINTENANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-06-26 00:00:00.0
Date achieved compliance: 1993-03-11 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1993-03-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-11-08 00:00:00.0
Date achieved compliance: 1991-01-31 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-12-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-11-30 00:00:00.0
Date achieved compliance: 1990-02-02 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-01-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date violation determined: 1989-01-12 00:00:00.0
Date achieved compliance: 1990-02-27 00:00:00.0
Violation lead agency: State
Enforcement action: GROUNDWATER MONITORING EVALUATION
Enforcement action date: 1989-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 70000
Final penalty amount: 70000
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-01-12 00:00:00.0
Date achieved compliance: 1990-02-27 00:00:00.0
Violation lead agency: State
Enforcement action: GROUNDWATER MONITORING EVALUATION
Enforcement action date: 1989-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 70000
Final penalty amount: 70000
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-12-08 00:00:00.0
Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-12-08 00:00:00.0
Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-12-08 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1987-12-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-07-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-10-01 00:00:00.0
Date achieved compliance: 1987-10-19 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-10-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2010-10-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - Pre-transport
Date achieved compliance: 2011-01-10 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1994-08-04 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-09-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-01 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1993-05-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-01 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-05-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-11-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-01-31 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-11-30 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-02-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-01-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1990-02-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-01-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1990-02-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-12-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-02-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-12-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1989-02-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-10-01 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1987-10-19 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-10-22 00:00:00.0
Facility name: TELEDYNE BATTERY PRODUCTS
Facility address: 840 W. BROCKTON
REDLANDS, CA 92374-2902
EPA ID: CAD008386641
Mailing address: WEST BROCKTON AVE
840 W BROCKTON AVE
REDLANDS, CA 92374
Contact: MICHAEL VOLPONE
Contact address: W BROCKTON AVE 840 W. BROCKTON AVE
REDLANDS, CA 92374
Contact country: US
Contact telephone: 909-793-3131
Telephone ext.: 139
Contact email: MICHAEL.VOLPONE@TELEDYNE.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: TELEDYNE TECHNOLOGIES INC, DBA TELEDYNE BATTERY PRODUCTS
Owner/operator address: CAMINO DOS RIOS 1049 CAMINO DOS RIOS
THOUSANDS OAKS, CA 92374
Owner/operator country: US

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Owner/operator telephone: 805-373-4540
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE TECHNOLOGIES, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE BATTERY PRODUCTS
Owner/operator address: W BROCKTON AVE 840 W BROCKTON AVE
REDLANDS, CA 92374
Owner/operator country: US
Owner/operator telephone: 909-793-3131
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: TYLEDYNE TECHNOLOGIES, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1999-08-23 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Historical Generators:
Date form received by agency: 2016-03-01 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2014-10-22 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2012-07-27 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-24 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-21 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2006-03-07 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Classification: Large Quantity Generator

Date form received by agency: 2004-09-03 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS BATTERY PROD
Classification: Large Quantity Generator

Date form received by agency: 2002-02-27 00:00:00.0
Site name: TELEDYNE CONTINENTAL MOTORS, BATTERY PRO
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 2000-08-08 00:00:00.0
Site name: T C M BATTERY PRODUCTS OPERATION

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: T C M BATTERY PRODUCTS OPERATION
Classification: Large Quantity Generator

Date form received by agency: 1994-03-18 00:00:00.0
Site name: TELEDYNE AIRCRAFT PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 1990-04-05 00:00:00.0
Site name: TELEDYNE BATTERY PRODUCTS
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6484789.8

Waste code: D008
Waste name: LEAD
Amount (Lbs): 7051932.8

Corrective Action Summary:

Event date: 1985-10-25 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1987-09-30 00:00:00.0
Event: RFA COMPLETED

Event date: 1987-09-30 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Event date:	1987-09-30 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	1989-02-24 00:00:00.0
Event:	3008(H) ENFORCMT INTERIM STATUS
Event date:	1989-02-24 00:00:00.0
Event:	INVESTIGATION IMPOSITION
Event date:	1989-02-24 00:00:00.0
Event:	CMS IMPOSITION
Event date:	1991-12-18 00:00:00.0
Event:	CA PRIORITIZATION-HIGH CA PRIORITY
Event date:	1992-11-10 00:00:00.0
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	1992-11-10 00:00:00.0
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	1993-08-20 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1993-08-20 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1993-12-17 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1995-10-25 00:00:00.0
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	1996-11-27 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	1999-05-12 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	1999-05-12 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2000-01-19 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	2000-05-15 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2000-05-15 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2000-05-15 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Event date: 2000-05-15 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2004-06-28 00:00:00.0
Event: CMS COMPLETE

Event date: 2004-06-28 00:00:00.0
Event: CMI WORKPLAN APPROVED

Event date: 2011-01-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2011-01-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2011-10-18 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2012-01-09 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 2018-05-09 00:00:00.0
Date achieved compliance: 2018-06-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2018-05-09 00:00:00.0
Date achieved compliance: 2018-06-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2010-10-06 00:00:00.0
Date achieved compliance: 2011-01-10 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-12-08 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2010-10-06 00:00:00.0
Date achieved compliance: 2011-01-10 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-11-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1994-08-04 00:00:00.0
Date achieved compliance: 1994-09-29 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-04-15 00:00:00.0
Date achieved compliance: 1993-05-07 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-04-15 00:00:00.0
Date achieved compliance: 1993-05-07 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-07-14 00:00:00.0
Enf. disposition status: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37725
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1992-07-06 00:00:00.0
Date achieved compliance: 1993-12-07 00:00:00.0
Violation lead agency: State
Enforcement action: OPERATION AND MAINTENANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-07-06 00:00:00.0
Date achieved compliance: 1993-12-07 00:00:00.0
Violation lead agency: State
Enforcement action: OPERATION AND MAINTENANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-06-26 00:00:00.0
Date achieved compliance: 1993-03-11 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1993-03-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-11-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1991-11-21 00:00:00.0
Date achieved compliance: 1993-09-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-02-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-11-08 00:00:00.0
Date achieved compliance: 1991-01-31 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-12-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-11-30 00:00:00.0
Date achieved compliance: 1990-02-02 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-01-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 1989-01-12 00:00:00.0
Date achieved compliance: 1990-02-27 00:00:00.0
Violation lead agency: State
Enforcement action: GROUNDWATER MONITORING EVALUATION
Enforcement action date: 1989-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 70000
Final penalty amount: 70000
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-01-12 00:00:00.0
Date achieved compliance: 1990-02-27 00:00:00.0
Violation lead agency: State
Enforcement action: GROUNDWATER MONITORING EVALUATION
Enforcement action date: 1989-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 70000
Final penalty amount: 70000
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-12-08 00:00:00.0
Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-12-08 00:00:00.0
Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-12-08 00:00:00.0
Date achieved compliance: 1989-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-01-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1987-12-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-07-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-20 00:00:00.0
Date achieved compliance: 1988-11-08 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-04-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Area of violation: TSD - General
Date violation determined: 1987-10-01 00:00:00.0
Date achieved compliance: 1987-10-19 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-10-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2010-10-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - Pre-transport
Date achieved compliance: 2011-01-10 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1994-08-04 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-09-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-01 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1993-05-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-03-01 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-05-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-09-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-11-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-01-31 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-11-30 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-02-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-01-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 1990-02-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-01-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1990-02-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-12-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-02-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-12-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1989-02-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0

TELEDYNE INC TELEDYNE BATTERY (Continued) **1000201836**

Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-20 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-11-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-10-01 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1987-10-19 00:00:00.0
Evaluation lead agency: State

2020 COR ACTION:
EPA ID: CAD008386641
Region: 9
Action: Remedy Construction

RAATS:
Entry No: 1
Facility ID: CAD008386641
Type: Not reported
Docket No: RCRA-09-89-0026
Region: 09
Issue Date: Not reported
Final Date: 02/24/1989
Status: Unilateral Order (Corrective Action)
Additional: Not reported
Action ID: 497
Action: 3008 (H)
Violation No: Not reported
Viol No Cited: 0
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: .00
Final Penalty: .00
Total Prop. Penalty: .00
Comments: 3008(H) ORDER (UNILATERAL)

P78
NE
1/2-1
0.807 mi.
4259 ft.

Relative:
Higher

Actual:
1311 ft.

TELEDYNE BATTERY PRODUCTS
840 W BROCKTON AVE
REDLANDS, CA 92374

Site 2 of 2 in cluster P

Database(s):
ENVIROSTOR
LUST
CERS HAZ WASTE
SWEEPS UST
HIST UST
CA FID UST
EMI
ICE
HWP
NPDES
San Bern. Co. Permit
CIWQS
CERS

EDR ID Number: 1000201837
EPA ID Number: N/A

ENVIROSTOR:

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 923730000
Facility ID:	80001578
Status:	No Further Action
Status Date:	09/07/2018
Site Code:	400255
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Gould
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	40
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.06735
Longitude:	-117.1939
APN:	NONE SPECIFIED
Past Use:	BATTERY MANUFACTURING, BATTERY MANUFACTURING
Potential COC:	Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description:	SOIL
Alias Name:	CAD008386641
Alias Type:	EPA Identification Number
Alias Name:	400255
Alias Type:	Project Code (Site Code)
Alias Name:	36360017
Alias Type:	Envirostor ID Number
Alias Name:	80001578
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Report
Completed Date:	12/17/1993

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 11/10/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 10/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/28/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 06/28/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WHSE SITE
Completed Document Type: RFI Workplan
Completed Date: 10/25/1985
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE SITE
Completed Document Type: RFI Report
Completed Date: 01/19/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/27/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/25/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/01/1990
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SURFACE IMPOUNDMENTS
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/24/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 02/27/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 10/18/2011
Comments: document will be uploaded shortly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/29/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/15/2000

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/03/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON
City,State,Zip: REDLANDS, CA 92373
Facility ID: 36360017
Status: Refer: RCRA
Status Date: 04/25/1995
Site Code: 400255
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 40
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06743
Longitude: -117.1939
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008386641
Alias Type: EPA Identification Number
Alias Name: 400255
Alias Type: Project Code (Site Code)
Alias Name: 36360017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/09/1995
Comments: NFA FOR SITE MITIGATION OPERATIONS, THIS IS A RCRA FACILITY.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/24/1983
Comments: FACILITY IDENTIFIED ID VIA TELEPHONE DIRECTORY (1971) BATTERY PRODUCTS
Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: TELEDYNE BATTERY
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100086
Global Id: T0607100086
Latitude: 34.067435
Longitude: -117.193912
Status: Completed - Case Closed
Status Date: 12/28/1990
Case Worker: CR2
RB Case Number: 083600803T
Local Agency: SAN BERNARDINO COUNTY
File Location: Not reported
Local Case Number: 90201
Potential Media Affect: Soil
Potential Contaminants of Concern: Heating Oil / Fuel Oil
Site History: Not reported

LUST:
Global Id: T0607100086
Contact Type: Local Agency Caseworker
Contact Name: CATHERINE RICHARDS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: crichards@sbcfire.org
Phone Number: 9093868419

LUST:
Global Id: T0607100086
Action Type: Other
Date: 05/15/1987
Action: Leak Reported

Global Id: T0607100086
Action Type: Other
Date: 03/30/1987
Action: Leak Discovery

Global Id: T0607100086
Action Type: ENFORCEMENT
Date: 12/28/1990
Action: Referral to Regional Board

Global Id: T0607100086
Action Type: ENFORCEMENT
Date: 03/01/2000
Action: Closure/No Further Action Letter

LUST:
Global Id: T0607100086
Status: Open - Case Begin Date
Status Date: 03/30/1987

Global Id: T0607100086
Status: Open - Site Assessment
Status Date: 03/29/1988

Global Id: T0607100086
Status: Completed - Case Closed
Status Date: 12/28/1990

CERS HAZ WASTE:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Hazardous Waste Onsite Treatment

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Hazardous Waste Generator

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 1ABCD
SWRCB Tank Id: 36-000-000717-000001
Tank Status: A
Capacity: 42423
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 7

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 36-000-000717-000002
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Created Date: 02-29-88
Owner Tank Id: 9
SWRCB Tank Id: 36-000-000717-000003
Tank Status: A
Capacity: 1643
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 9A
SWRCB Tank Id: 36-000-000717-000004
Tank Status: A
Capacity: 1643
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 10
SWRCB Tank Id: 36-000-000717-000005
Tank Status: A
Capacity: 152
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 10A
SWRCB Tank Id: 36-000-000717-000006
Tank Status: A
Capacity: 943
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City: REDLANDS
Status: Active
Comp Number: 717
Number: 9
Board Of Equalization: 44-019774
Referral Date: 03-23-92
Action Date: 03-23-92
Created Date: 02-29-88
Owner Tank Id: 10B
SWRCB Tank Id: 36-000-000717-000007
Tank Status: A
Capacity: 2394
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVENUE
City,State,Zip: REDLANDS, CA 92374
File Number: 0002A75A
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A75A.pdf
Region: STATE
Facility ID: 00000000717
Facility Type: Other
Other Type: AIRCRAFT BATTERIES
Contact Name: Not reported
Telephone: 7147933131
Owner Name: TELEDYNE INDUSTRIES, INC.
Owner Address: 1901 AVENUE OF THE STARS
Owner City,St,Zip: LOS ANGELES, CA 90067
Total Tanks: 0013

Tank Num: 001
Container Num: 1ABCD
Year Installed: 1967
Tank Capacity: 00042423
Tank Used for: WASTE
Type of Fuel: Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1977
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	3/8
Leak Detection:	Visual
Tank Num:	003
Container Num:	6
Year Installed:	1980
Tank Capacity:	00003367
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	004
Container Num:	7
Year Installed:	1980
Tank Capacity:	00000596
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Visual
Tank Num:	005
Container Num:	8
Year Installed:	1978
Tank Capacity:	00001496
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	006
Container Num:	9
Year Installed:	1978
Tank Capacity:	00001643
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual
Tank Num:	007
Container Num:	9A
Year Installed:	1978
Tank Capacity:	00001643
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Tank Num:	008
Container Num:	10
Year Installed:	1978
Tank Capacity:	00000152
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	009
Container Num:	10A
Year Installed:	1978
Tank Capacity:	00000943
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	010
Container Num:	10B
Year Installed:	1978
Tank Capacity:	00002394
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	011
Container Num:	11
Year Installed:	1980
Tank Capacity:	00000412
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	012
Container Num:	12
Year Installed:	1980
Tank Capacity:	00001197
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	013
Container Num:	13
Year Installed:	1980
Tank Capacity:	00130000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	36 MIL
Leak Detection:	Visual, Groundwater Monitoring Well

Click here for Geo Tracker PDF:

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

CA FID UST:
Facility ID: 36000274
Regulated By: UTNKA
Regulated ID: 00000717
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: REDLANDS 92374
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON
City,State,Zip: REDLANDS, CA 92374
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 16732
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TELEDYNE AIRCRAFT PRODS-BATTER
Address: 840 W BROCKTON
City,State,Zip: REDLANDS, CA 92374
Year: 1995
County Code: 36
Air Basin: SC
Facility ID: 16732
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TELEDYNE CONTINENTAL MOTORS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Year: 2008
County Code: 36
Air Basin: SC
Facility ID: 16732
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .00434337
Part. Matter 10 Micrometers and Smllr Tons/Yr: .00249309438

Name: TELEDYNE AIRCRAFT PRODS-BATTER
Address: 840 W BROCKTON
City,State,Zip: REDLANDS, CA 92374
Year: 2009
County Code: 36
Air Basin: SC
Facility ID: 16732
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4.4678299999999999E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.5645344199999999E-3

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Year: 2012
County Code: 36
Air Basin: SC
Facility ID: 16732
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.02285986
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.01312155964

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Year: 2015
County Code: 36
Air Basin: SC
Facility ID: 173302
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.27292698282
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.27292613814

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Year: 2017
County Code: 36
Air Basin: SC
Facility ID: 173302
Air District Name: SC
SIC Code: 3691
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.15909090909
Reactive Organic Gases Tons/Yr: 0.07
Carbon Monoxide Emissions Tons/Yr: 0.49
NOX - Oxides of Nitrogen Tons/Yr: 1.96
SOX - Oxides of Sulphur Tons/Yr: 0.00917
Particulate Matter Tons/Yr: 0.0712552
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0707204848

ICE:
Envirostor ID: 3001949
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92373
EPA ID: CAD008386641
Site Type: INSPECTION
Facility Status: No Action

Inspection:

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 01/05/1999
Violation Class: No Violations
RTC Date: Not reported

HWP:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 923742902
EPA Id: CAD008386641
Cleanup Status: CLOSED
Latitude: 34.06735
Longitude: -117.1939
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 400255
Assembly District: 40
Senate District: 23
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 10/02/1985

EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/27/1986

EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 10/03/1985

Closure:
EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit),

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

SURFSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 01/17/1996

EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, PERCPOND1 (GPRA Unit), SLFRICTNK1, SLUDGETNK1 (GPRA Unit), SURFSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/26/1995

Alias:
EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 36360017

EPA Id: CAD008386641
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400255

NPDES:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Facility Status: Active
NPDES Number: CAS000001
Region: 8
Agency Number: 0
Regulatory Measure ID: 433709
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 8 36I023994
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/27/2012
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 7950
Discharge Name: Teledyne Technologies Incorporated dba Teledyne Battery Products
Discharge City: Redlands
Discharge State: California
Discharge Zip: 92375
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	433709
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/27/2012
Processed Date:	12/27/2012
Status:	Active
Status Date:	12/27/2012
Place Size:	4.75
Place Size Unit:	Acres
Contact:	Jesus Bueno Luna
Contact Title:	EHS Specialist
Contact Phone:	909-793-3131
Contact Phone Ext:	139
Contact Email:	Jesus.Luna@teledyne.com
Operator Name:	Teledyne Reynolds Inc
Operator Address:	PO Box 7950
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375
Operator Contact:	Jesus Bueno Luna
Operator Contact Title:	EHS Specialist
Operator Contact Phone:	909-793-3131
Operator Contact Phone Ext:	139
Operator Contact Email:	Jesus.Luna@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Jesus Luna
Certifier Title:	EHS Specialist
Certification Date:	17-JUN-15
Primary Sic:	3691-Storage Batteries
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	433709
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Reynolds Inc
Discharge Address:	PO Box 7950
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I023994
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	12/27/2012
Operator Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Operator Address:	PO Box 7950
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	433709
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/27/2012
Processed Date:	12/27/2012
Status:	Active
Status Date:	12/27/2012
Place Size:	4.75
Place Size Unit:	Acres
Contact:	Jesus Bueno Luna
Contact Title:	EHS Specialist
Contact Phone:	909-793-3131
Contact Phone Ext:	139
Contact Email:	Jesus.Luna@teledyne.com
Operator Name:	Teledyne Reynolds Inc
Operator Address:	PO Box 7950
Operator City:	Redlands
Operator State:	California
Operator Zip:	92375
Operator Contact:	Jesus Bueno Luna
Operator Contact Title:	EHS Specialist
Operator Contact Phone:	909-793-3131
Operator Contact Phone Ext:	139
Operator Contact Email:	Jesus.Luna@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Jesus Luna
Certifier Title:	EHS Specialist
Certification Date:	17-JUN-15
Primary Sic:	3691-Storage Batteries
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	433709
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023994
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Reynolds Inc
Discharge Address:	PO Box 7950
Discharge City:	Redlands
Discharge State:	California
Discharge Zip:	92375
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Region:	SAN BERNARDINO
Facility ID:	FA0006608
Owner:	TELEDYNE TECHNOLOGIES INC.
Permit Number:	PT0001494

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2020

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0039088
Permit Category: PBR ANNUAL FEE
Facility Status: ACTIVE
Expiration Date: 09/30/2020

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0023956
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2020

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0001495
Permit Category: SUPER LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 09/30/2018

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0013335
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Region: SAN BERNARDINO
Facility ID: FA0006608
Owner: TELEDYNE TECHNOLOGIES INC.
Permit Number: PT0016171
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Expiration Date: 09/30/2005

CIWQS:

Name:	TELEDYNE BATTERY
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Agency:	Teledyne Continental Motors
Agency Address:	PO Box 7950, Redlands, CA 92375
Place/Project Type:	Industrial - Storage Batteries
SIC/NAICS:	3691
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I014715
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	11/02/1998
Termination Date:	12/24/2012
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.06648
Longitude:	-117.19183

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Agency:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Agency Address:	PO Box 7950, Redlands, CA 92375
Place/Project Type:	Industrial - Storage Batteries
SIC/NAICS:	3691
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I023994
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/27/2012
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.06744
Longitude:	-117.19391

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

CERS:
Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 10045435
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 01-01-2018
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description: Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Violation Program: HWLQG
Violation Source: CERS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 10-31-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - RECYCLING WASTE
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	09-13-2018
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	74280

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	10-31-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	74280
Facility Name:	TELEDYNE BATTERY PRODUCTS
Env Int Type Code:	SMSWIND
Program ID:	820750
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.067440
Longitude:	-117.193910

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	MICHAEL VOLPONE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Volpone, EXT 139
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Type Desc:	Technical Contact
Entity Name:	MIKE VOLPONE
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097933131

Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany
Entity Title:	Directort of Operations
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071

Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602

Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-3131

Affiliation Type Desc:	Parent Company
Entity Name:	TELEDYNE TECHNOLOGIES INC.\\
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Zip: 92374
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: 820750
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 01-01-2018
Citation: 2014-0057-DWQ - Industrial General Permit

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Violation Description: SW - Late Report
Violation Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description: Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 10-31-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - RECYCLING WASTE
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 09-13-2018
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 74280
Facility Name: TELEDYNE BATTERY PRODUCTS
Env Int Type Code: SMSWIND
Program ID: 820750
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.067440
Longitude: -117.193910

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: MICHAEL VOLPONE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Entity Name:	Michael Volpone, EXT 139
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Facility Owner
Entity Name: TELEDYNE TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: 1049 CAMINO DOS RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 913600000
Affiliation Phone: 3105742071

Affiliation Type Desc: Technical Contact
Entity Name: MIKE VOLPONE
Entity Title: Not reported
Affiliation Address: 840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: 9097933131

Affiliation Type Desc: Company Official
Entity Name: vincent jermany
Entity Title: Directort of Operations
Affiliation Address: 840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Contact
Entity Name: Mark Egbert
Entity Title: Not reported
Affiliation Address: 5005 MCCONNELL AVE
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900660000
Affiliation Phone: 3105742071

Affiliation Type Desc: Legal Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602

Affiliation Type Desc: Operator
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 793-3131

Affiliation Type Desc: Parent Company
Entity Name: TELEDYNE TECHNOLOGIES INC.\\
Entity Title: Not reported
Affiliation Address: 840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602

Name: TELEDYNE BATTERY PRODUCTS
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 74280
CERS ID: CAD008386641
CERS Description: Hazardous Waste

Violations:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 05-09-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22,

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

	Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	01-01-2018
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Description:	Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes:	Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	10-31-2016
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - RECYCLING WASTE
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Notes: The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 09-13-2018
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Site Address: 840 W BROCKTON AVE
Site City: REDLANDS
Site Zip: 92374
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Coordinates:

Site ID:	74280
Facility Name:	TELEDYNE BATTERY PRODUCTS
Env Int Type Code:	SMSWIND
Program ID:	820750
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.067440
Longitude:	-117.193910

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	MICHAEL VOLPONE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Volpone, EXT 139
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071
Affiliation Type Desc:	Technical Contact
Entity Name:	MIKE VOLPONE
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097933131
Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Entity Title:	Directort of Operations
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 793-3131
Affiliation Type Desc:	Parent Company
Entity Name:	TELEDYNE TECHNOLOGIES INC.\\
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Type Desc:	Property Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602

Name:	TELEDYNE BATTERY PRODUCTS
Address:	840 W BROCKTON AVE
City,State,Zip:	REDLANDS, CA 92374
Site ID:	74280
CERS ID:	92374TLDYN840WE
CERS Description:	Toxic Release Inventory

Violations:

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 06/06/2018. OBSERVATION: A written hazardous waste tank assessment has not been maintained for the water treatment tank system. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the water treatment tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	01-01-2018
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Violation Date:	05-09-2018
Citation:	HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Violation Description: Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).
Violation Notes: Returned to compliance on 06/06/2018. OBSERVATION: A source reduction evaluation review and plan with all the required information has not been completed and maintained for review. CORRECTIVE ACTION: Complete a source reduction report with all the required information and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 74280
Site Name: TELEDYNE BATTERY PRODUCTS
Violation Date: 10-31-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 11/30/2016. (1) 55 gallon drum of Ethylene Glycol was not reported as inventory. Site map to include hazardous materials storage and handling areas, emergency shut offs, emergency response equipment.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-05-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: PBR
Eval Source: CERS

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-29-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - RECYCLING WASTE
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	The SWPPP, Monitoring Plan and log of inspections were reviewed at the facility. Generally the facility was clean during the inspection. The facility has waste water treatment plant and recycles all waste water. Storm water is discharged from the front side. The facility yard was clean during the inspection.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	09-13-2018
Enf Action Type:	Staff Enforcement Letter

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The Teledyne Battery Products Level 1 ERA Report for Lead, Total (Recoverable) has not been submitted for the July 1, 2016 - June 30, 2017 reporting year.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS
Site ID:	74280
Site Name:	TELEDYNE BATTERY PRODUCTS
Site Address:	840 W BROCKTON AVE
Site City:	REDLANDS
Site Zip:	92374
Enf Action Date:	10-31-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	74280
Facility Name:	TELEDYNE BATTERY PRODUCTS
Env Int Type Code:	SMSWIND
Program ID:	820750
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.067440
Longitude:	-117.193910

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	MICHAEL VOLPONE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Volpone, EXT 139
Entity Title:	Not reported
Affiliation Address:	PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Michael Volpone
Entity Title:	EHS Manager
Affiliation Address:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	Melanie S. Cibik
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	8053734605
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVE, P.O. BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	John D. Anderson
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Technologies Incorporated dba Teledyne Battery Products
Entity Title:	Operator
Affiliation Address:	PO Box 7950
Affiliation City:	Redlands
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92375
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Owner

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Entity Name:	TELEDYNE TECHNOLOGIES INC
Entity Title:	Not reported
Affiliation Address:	1049 CAMINO DOS RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	913600000
Affiliation Phone:	3105742071
Affiliation Type Desc:	Technical Contact
Entity Name:	MIKE VOLPONE
Entity Title:	Not reported
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	9097933131
Affiliation Type Desc:	Company Official
Entity Name:	vincent jermany
Entity Title:	Directort of Operations
Affiliation Address:	840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City:	REDLANDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92374
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Contact
Entity Name:	Mark Egbert
Entity Title:	Not reported
Affiliation Address:	5005 MCCONNELL AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	900660000
Affiliation Phone:	3105742071
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 CAMINOS DO RIOS
Affiliation City:	THOUSAND OAKS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(808) 373-4602
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Battery Products
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Phone: (909) 793-3131

Affiliation Type Desc: Parent Company
Entity Name: TELEDYNE TECHNOLOGIES INC.\\
Entity Title: Not reported
Affiliation Address: 840 W BROCKTON AVENUE, PO BOX 7950
Affiliation City: REDLANDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92374
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Battery Products
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 CAMINOS DO RIOS
Affiliation City: THOUSAND OAKS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (808) 373-4602

Name: TELEDYNE BATTERY
Address: 840 W BROCKTON AVE
City,State,Zip: REDLANDS, CA 92374
Site ID: 237852
CERS ID: T0607100086
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CATHERINE RICHARDS - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 SOUTH E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9093868419

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported

TELEDYNE BATTERY PRODUCTS (Continued) **1000201837**

Affiliation Zip: Not reported
Affiliation Phone: 9517824903

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CITY OF REDLANDS	1015730681	REDLANDS SMUDGE POT TANKS SITE	100 FEET WEST OF REDLANDS BLVD	92373	SEMS
REDLANDS	1008407740	EDISON/REDLANDS MGP	501-525 W REDLANDS AT KENDALL	92373	EDR MGP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/11/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/06/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/25/2020
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/11/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 73

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 62
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/24/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 68

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/20/2019
Date Made Active in Reports: 02/20/2020
Number of Days to Update: 62
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 10/31/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 40

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 62

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/24/2020
Number of Days to Update: 76
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/11/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/11/2019
Date Data Arrived at EDR: 12/12/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 71
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/06/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control?s data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51
Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106
Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63
Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 43

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/13/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 70

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/25/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 61

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/08/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 22

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/27/2020
Number of Days to Update: 68
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29
Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 11/20/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 67

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/20/2020
Number of Days to Update: 59
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/26/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 69

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/16/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 57

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 12/12/2019
Date Data Arrived at EDR: 12/13/2019
Date Made Active in Reports: 02/20/2020
Number of Days to Update: 69

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 68

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 72

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 11/25/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 51
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 73
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/12/2019
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 63

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KANSAS STREET PROPERTY
360 KANSAS STREET
REDLANDS, CA 92373

TARGET PROPERTY COORDINATES

Latitude (North):	34.05679 - 34° 3' 24.44''
Longitude (West):	117.203136 - 117° 12' 11.29''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	481252.9
UTM Y (Meters):	3768276.8
Elevation:	1257 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630631 REDLANDS, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

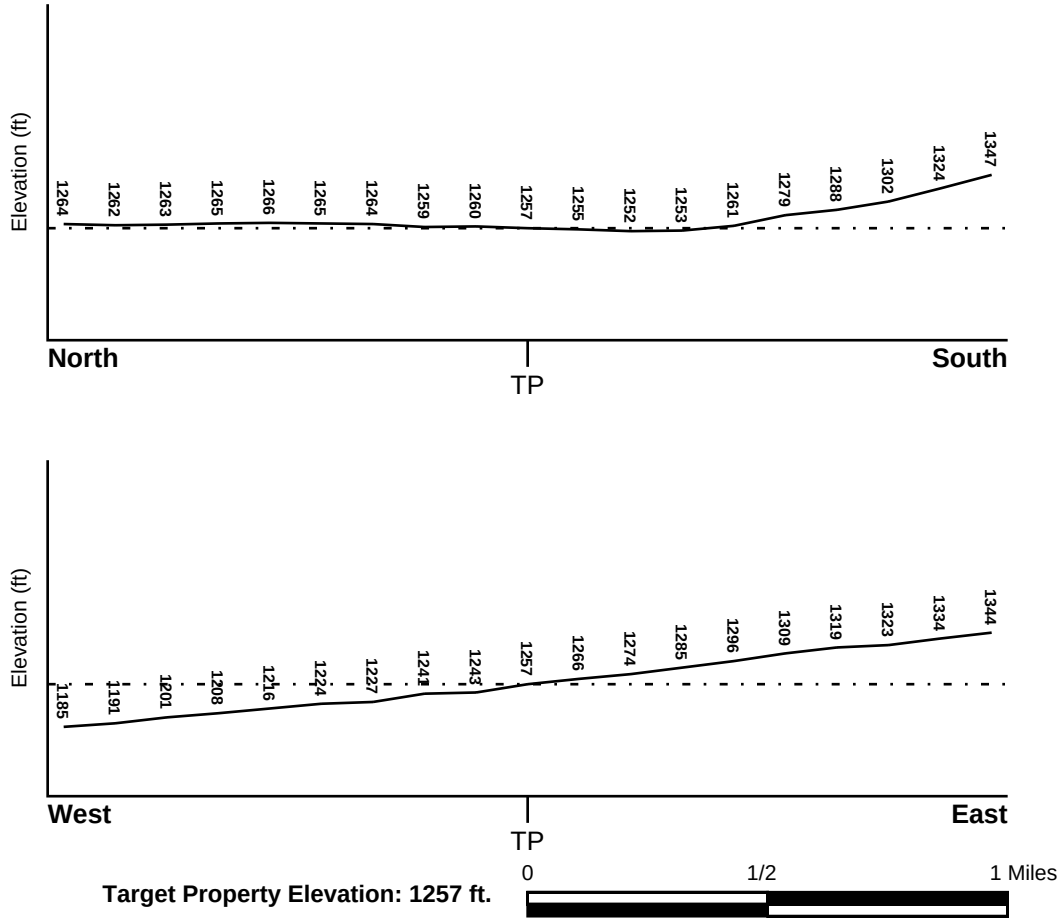
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1257 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C0090G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C8703H	FEMA FIRM Flood data
06071C8704H	FEMA FIRM Flood data
06071C8708H	FEMA FIRM Flood data
06071C8711H	FEMA FIRM Flood data
06071C8716H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
E19	1/2 - 1 Mile South	WNW
2G	1/2 - 1 Mile South	WNW

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

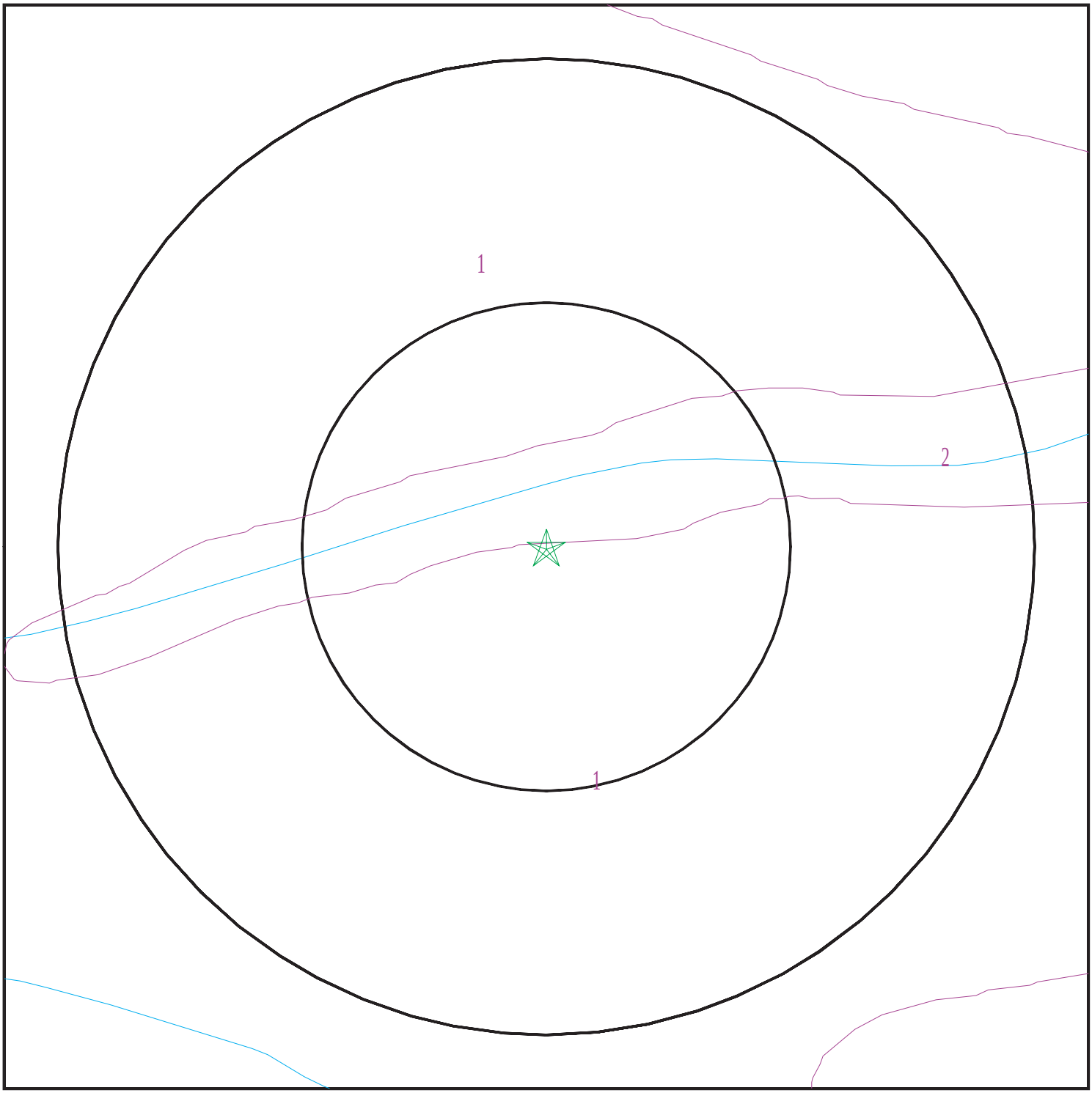
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6028383.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Kansas Street Property	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	360 Kansas Street Redlands CA 92373	CONTACT:	Angie Tran
LAT/LONG:	34.05679 / 117.203136	INQUIRY #:	6028383.2s
		DATE:	March 31, 2020 3:33 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000140291	1/8 - 1/4 Mile NW
A2	USGS40000140292	1/8 - 1/4 Mile NW
4	USGS40000140343	1/4 - 1/2 Mile NNE
5	USGS40000140303	1/4 - 1/2 Mile ENE
B7	USGS40000140194	1/4 - 1/2 Mile ESE
8	USGS40000140227	1/4 - 1/2 Mile West
9	USGS40000140405	1/4 - 1/2 Mile NNE
11	USGS40000140236	1/2 - 1 Mile West
12	USGS40000140406	1/2 - 1 Mile NW
C13	USGS40000140193	1/2 - 1 Mile East
15	USGS40000140444	1/2 - 1 Mile North
16	USGS40000140360	1/2 - 1 Mile WNW
17	USGS40000140280	1/2 - 1 Mile East
D18	USGS40000140224	1/2 - 1 Mile West
20	USGS40000140256	1/2 - 1 Mile East
D22	USGS40000140212	1/2 - 1 Mile West
D23	USGS40000140213	1/2 - 1 Mile West
24	USGS40000140058	1/2 - 1 Mile South
25	USGS40000140262	1/2 - 1 Mile West
26	USGS40000140474	1/2 - 1 Mile North
27	USGS40000140508	1/2 - 1 Mile North
29	USGS40000140518	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

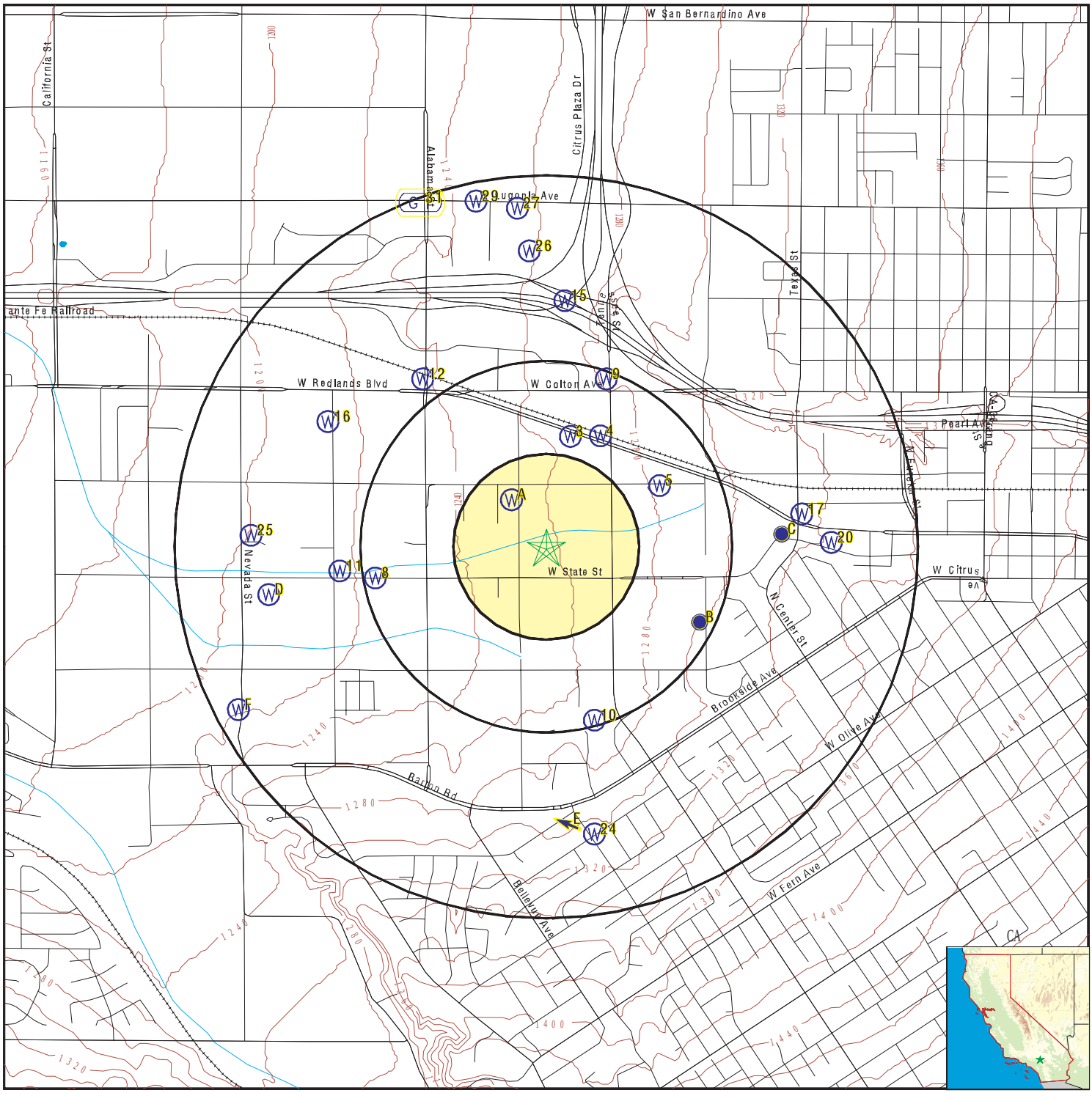
MAP ID	WELL ID	LOCATION FROM TP
3	CADWR8000006562	1/4 - 1/2 Mile NNE
B6	CADWR8000006516	1/4 - 1/2 Mile ESE
10	829	1/4 - 1/2 Mile SSE
C14	CADWR8000006545	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E21	CADWR8000006466	1/2 - 1 Mile South
F28	18667	1/2 - 1 Mile WSW
F30	830	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 6028383.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Kansas Street Property	CLIENT:	Northgate Env. Management, Inc.
ADDRESS:	360 Kansas Street Redlands CA 92373	CONTACT:	Angie Tran
		INQUIRY #:	6028383.2s
LAT/LONG:	34.05679 / 117.203136	DATE:	March 31, 2020 3:33 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000140291**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28E002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19350101	Well Depth:	330
Well Depth Units:	ft	Well Hole Depth:	342
Well Hole Depth Units:	ft		

A2
NW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000140292**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28E003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	284
Well Depth Units:	ft	Well Hole Depth:	284
Well Hole Depth Units:	ft		

3
NNE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR8000006562**

State Well #:	01S03W28C001S	Station ID:	27319
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Bunker Hill	Well Completion Rpt #:	Not Reported

4
NNE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000140343**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

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Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1928	Well Depth:	309
Well Depth Units:	ft	Well Hole Depth:	309
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	40	Level reading date:	2004-10-26
Feet below surface:	165.74	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2004-04-21	Feet below surface:	154.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	154.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-23	Feet below surface:	142.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-30	Feet below surface:	146.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-08	Feet below surface:	132.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-24	Feet below surface:	129.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-17	Feet below surface:	111.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	116.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-12	Feet below surface:	103.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-18	Feet below surface:	102.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-15	Feet below surface:	89.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-22	Feet below surface:	98.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-06	Feet below surface:	99.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-28	Feet below surface:	112.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	109.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-24	Feet below surface:	99.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-10-25	Feet below surface:	109.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-18	Feet below surface:	104.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-25	Feet below surface:	125.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-18	Feet below surface:	120.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-19	Feet below surface:	139.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-13	Feet below surface:	143.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-29	Feet below surface:	160.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-12	Feet below surface:	152.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	153.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-17	Feet below surface:	143.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-03	Feet below surface:	140.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-27	Feet below surface:	131.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-01	Feet below surface:	124.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-22	Feet below surface:	111.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-05	Feet below surface:	103.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-08	Feet below surface:	90.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	91.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-25	Feet below surface:	126.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-21	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1936-07-31	Feet below surface:	127.6
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1936-04-14	Feet below surface:	108.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.

Level reading date:	1928-06-09	Feet below surface:	69.7
Feet to sea level:	Not Reported	Note:	Not Reported

5
ENE **FED USGS** **USGS40000140303**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28B001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19320101	Well Depth:	283
Well Depth Units:	ft	Well Hole Depth:	412
Well Hole Depth Units:	ft		

B6
ESE **CA WELLS** **CADWR8000006516**
1/4 - 1/2 Mile
Higher

State Well #:	01S03W28J001S	Station ID:	49175
Well Name:	New York Well	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	548
Basin Name:	Bunker Hill	Well Completion Rpt #:	Not Reported

B7
ESE **FED USGS** **USGS40000140194**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28K001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19650101	Well Depth:	850
Well Depth Units:	ft	Well Hole Depth:	885
Well Hole Depth Units:	ft		

8
West **FED USGS** **USGS40000140227**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29J001S	Type:	Well

Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19030101	Well Depth:	638
Well Depth Units:	ft	Well Hole Depth:	660
Well Hole Depth Units:	ft		

9
NNE **FED USGS** **USGS40000140405**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21P002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19150101	Well Depth:	212
Well Depth Units:	ft	Well Hole Depth:	212
Well Hole Depth Units:	ft		

10
SSE **CA WELLS** **829**
1/4 - 1/2 Mile
Higher

Seq:	829	Prim sta c:	01S/03W-28K01 S
Frds no:	3610037028	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	NEW YORK STREET WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340300.0	Longitude:	1171200.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610037	System nam:	Redlands City Mud-Water Div
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		

11
West **FED USGS** **USGS40000140236**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	001S003W29H002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19130101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	105
Well Hole Depth Units:	ft		

12
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000140406**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W20R001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19200101	Well Depth:	301
Well Depth Units:	ft	Well Hole Depth:	318
Well Hole Depth Units:	ft		

C13
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000140193**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W28H001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	474
Well Depth Units:	ft	Well Hole Depth:	474
Well Hole Depth Units:	ft		

C14
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006545**

State Well #:	01S03W28H001S	Station ID:	46647
Well Name:	Well #41	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	474
Basin Name:	Bunker Hill	Well Completion Rpt #:	NA

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

15
North
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000140444**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21P001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19350101	Well Depth:	356
Well Depth Units:	ft	Well Hole Depth:	368
Well Hole Depth Units:	ft		

16
WNW
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000140360**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29B003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19440101	Well Depth:	180
Well Depth Units:	ft	Well Hole Depth:	202
Well Hole Depth Units:	ft		

17
East
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000140280**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W27E001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19260101	Well Depth:	365
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
D18 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000140224**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29K003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	424
Well Depth Units:	ft	Well Hole Depth:	460
Well Hole Depth Units:	ft		

E19 **South** **1/2 - 1 Mile** **Higher**	Site ID:	083600665T	**AQUIFLOW**	**54856**
	Groundwater Flow:	WNW		
	Shallow Water Depth:	110		
	Deep Water Depth:	120		
	Average Water Depth:	Not Reported		
	Date:	08/17/1992		

	Database	EDR ID Number
20 **East** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000140256**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W27E002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	390
Well Depth Units:	ft	Well Hole Depth:	390
Well Hole Depth Units:	ft		

	Database	EDR ID Number
E21 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR8000006466**

State Well #:	01S03W33C001S	Station ID:	6725
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Bunker Hill	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D22
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140212**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-05 LYSIMETER AT 40		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

D23
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140213**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-05 LYSIMETER AT 100		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

24
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000140058**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W33C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1899	Well Depth:	264
Well Depth Units:	ft	Well Hole Depth:	462
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	169	Level reading date:	2004-10-18
Feet below surface:	154.45	Feet to sea level:	Not Reported

Note:	Not Reported		
Level reading date:	2004-04-21	Feet below surface:	146.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-10-22	Feet below surface:	143.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2003-04-24	Feet below surface:	138.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-10-30	Feet below surface:	137.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-04-08	Feet below surface:	131.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-10-24	Feet below surface:	129.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-17	Feet below surface:	123.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	125.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-12	Feet below surface:	121.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-18	Feet below surface:	121.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-15	Feet below surface:	119.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-22	Feet below surface:	123.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-06	Feet below surface:	123.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-28	Feet below surface:	128.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	126.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	130.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-24	Feet below surface:	129.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-25	Feet below surface:	134.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-18	Feet below surface:	135.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-25	Feet below surface:	141.92
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1994-04-20	Feet below surface:	142.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-19	Feet below surface:	149.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-12	Feet below surface:	147.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-29	Feet below surface:	150.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-12	Feet below surface:	146.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	159.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-17	Feet below surface:	138.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-03	Feet below surface:	134.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-25	Feet below surface:	129.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-01	Feet below surface:	124.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-21	Feet below surface:	123.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-22	Feet below surface:	115.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	111.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-08	Feet below surface:	106.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-16	Feet below surface:	103.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-19	Feet below surface:	101.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-19	Feet below surface:	99.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-20	Feet below surface:	97.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-11	Feet below surface:	141.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-13	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-09	Feet below surface:	143.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-07-12	Feet below surface:	138.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-13	Feet below surface:	142.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-18	Feet below surface:	144.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-16	Feet below surface:	138.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-15	Feet below surface:	140.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	142.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-19	Feet below surface:	145.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-14	Feet below surface:	147.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-16	Feet below surface:	145.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-12	Feet below surface:	147.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-14	Feet below surface:	148.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-10	Feet below surface:	148.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-16	Feet below surface:	142.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-13	Feet below surface:	144.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-15	Feet below surface:	149.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-15	Feet below surface:	148.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-11	Feet below surface:	148.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-21	Feet below surface:	147.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-25	Feet below surface:	141.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-08	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-09	Feet below surface:	144.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-05-11	Feet below surface:	144.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-14	Feet below surface:	144.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-10	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-11	Feet below surface:	142.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-19	Feet below surface:	141.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-17	Feet below surface:	140.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-18	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-15	Feet below surface:	144.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-10	Feet below surface:	143.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-13	Feet below surface:	141.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-15	Feet below surface:	145.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-11	Feet below surface:	139.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-15	Feet below surface:	137.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-19	Feet below surface:	141.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-12	Feet below surface:	136.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-13	Feet below surface:	137.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-16	Feet below surface:	138.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-11	Feet below surface:	141.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-13	Feet below surface:	143.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-04	Feet below surface:	131.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-29	Feet below surface:	90.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1948-03-27	Feet below surface:	92.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-20	Feet below surface:	85.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-04	Feet below surface:	107.0
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1946-04-10	Feet below surface:	76.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-30	Feet below surface:	76.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-15	Feet below surface:	100.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-28	Feet below surface:	73.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-27	Feet below surface:	92.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-10	Feet below surface:	89.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-30	Feet below surface:	74.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-30	Feet below surface:	79.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-03	Feet below surface:	99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-31	Feet below surface:	77.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-07	Feet below surface:	82.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-03	Feet below surface:	92.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-04	Feet below surface:	93.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-06	Feet below surface:	87.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-03	Feet below surface:	76.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-31	Feet below surface:	77.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-02	Feet below surface:	85.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-02	Feet below surface:	89.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1941-09-03	Feet below surface:	88.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-31	Feet below surface:	89.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-29	Feet below surface:	78.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-03	Feet below surface:	80.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-05	Feet below surface:	82.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-04	Feet below surface:	83.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-04	Feet below surface:	85.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-05	Feet below surface:	92.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-07	Feet below surface:	88.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-05	Feet below surface:	88.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-22	Feet below surface:	105.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-02	Feet below surface:	94.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-22	Feet below surface:	81.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-26	Feet below surface:	82.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-05	Feet below surface:	83.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-03	Feet below surface:	87.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-30	Feet below surface:	89.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-02	Feet below surface:	95.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-30	Feet below surface:	90.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-31	Feet below surface:	104.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-31	Feet below surface:	86.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-02-25	Feet below surface:	87.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-04	Feet below surface:	91.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-01	Feet below surface:	96.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-29	Feet below surface:	102.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-30	Feet below surface:	101.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-02	Feet below surface:	102.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-04	Feet below surface:	100.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-04	Feet below surface:	99.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-07	Feet below surface:	96.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-02	Feet below surface:	105.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-03	Feet below surface:	106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-30	Feet below surface:	112.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-11	Feet below surface:	118.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-02	Feet below surface:	119.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-31	Feet below surface:	120.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-26	Feet below surface:	113.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-29	Feet below surface:	102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-01	Feet below surface:	113.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-03-30	Feet below surface:	109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-26	Feet below surface:	114.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-28	Feet below surface:	116.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1936-12-23	Feet below surface:	118.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-24	Feet below surface:	119.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-28	Feet below surface:	122.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-05-01	Feet below surface:	146.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-24	Feet below surface:	139.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-02-27	Feet below surface:	141.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-12-28	Feet below surface:	146.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-11-29	Feet below surface:	144.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-24	Feet below surface:	150.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-08-27	Feet below surface:	145.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-08-02	Feet below surface:	121.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-16	Feet below surface:	108.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-12	Feet below surface:	110.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-03	Feet below surface:	114.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-09-09	Feet below surface:	117.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-07-11	Feet below surface:	110.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-06-10	Feet below surface:	135.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1932-05-09	Feet below surface:	104.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-03-10	Feet below surface:	105.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-02-15	Feet below surface:	107.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-01-09	Feet below surface:	108.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1931-12-05	Feet below surface:	109.8
Feet to sea level:	Not Reported	Note:	Not Reported

25
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000140262**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W29G001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	216
Well Hole Depth Units:	ft		

26
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000140474**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	SANDYS RESTURANT	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

27
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000140508**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21M002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19280101	Well Depth:	270
Well Depth Units:	ft	Well Hole Depth:	304
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F28
WSW
1/2 - 1 Mile
Lower

CA WELLS **18667**

Seq:	18667	Prim sta c:	3510037-053
Frds no:	3610037053	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	WELL 38	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340303.0	Longitude:	1171300.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610037	System nam:	Redlands City Mud-Water Div
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		

29
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000140518**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21E002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19440101	Well Depth:	264
Well Depth Units:	ft	Well Hole Depth:	264
Well Hole Depth Units:	ft		

F30
WSW
1/2 - 1 Mile
Lower

CA WELLS **830**

Seq:	830	Prim sta c:	01S/03W-32D02 S
Frds no:	3610013007	County:	36
District:	13	User id:	TAN
System no:	3610013	Water type:	G
Source nam:	NICKS WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340300.0	Longitude:	1171300.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System no:	3610013	System nam:	City Of Loma Linda
Hqname:	Not Reported	Address:	11134 ANDERSON STREET
City:	LOMA LINDA	State:	CA
Zip:	92354	Zip ext:	Not Reported
Pop serv:	20000	Connection:	3994
Area serve:	LOMA LINDA		

31
NNW
1/2 - 1 Mile
Lower

Site ID:	083601119T
Groundwater Flow:	Not Reported
Shallow Water Depth:	80 ft
Deep Water Depth:	150
Average Water Depth:	Not Reported
Date:	12/21/1993

AQUIFLOW **50240**

1G
NNW
1/2 - 1 Mile
Lower

Site ID:	083601119T
Groundwater Flow:	Not Reported
Shallow Water Depth:	80 ft
Deep Water Depth:	150
Average Water Depth:	Not Reported
Date:	12/21/1993

AQUIFLOW **50240**

2G
South
1/2 - 1 Mile
Lower

Site ID:	083600665T
Groundwater Flow:	WNW
Shallow Water Depth:	110
Deep Water Depth:	120
Average Water Depth:	Not Reported
Date:	08/17/1992

AQUIFLOW **54856**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92373	29	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

SITE DOCUMENTS

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO

■ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 884-4056
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200
☐ Household Hazardous Waste Program
777 East Rialto Avenue • San Bernardino, CA 92415-0799 • (909) 387-2900

PAMELLA V. BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

July 3, 1995

ALEX KIMM
360 KANSAS STREET
REDLANDS CA 92374

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL AT 360 KANSAS STREET, REDLANDS, CALIFORNIA

The Department has received the sample results and/or closure report submitted by **Erickson Inc.** dated **June 29, 1995**.

After review of the reports prepared by you or your agent, it has been determined that the extent of contamination or lack thereof would indicate that no further investigation is warranted at this time.

It is important to note that this can not be construed as a release of liability for the site or declaration that the site is free from contamination. Should further projects or environmental investigations reveal additional contaminants on site you will be responsible and held liable for the investigation and remedial actions.

If you have any questions, please call (909) 387-3082.

MICHAEL J WARD, ET II
Underground Storage Tank Program

ERICKSON, INC
13738 Slover Avenue, Fontana, CA 92337
PHONE 909-355-5601 FAX 909-355-5912

ECO$_2$JET
DRYICE
BLASTING

FAX COVER PAGE

To: MIKE WARD	From : DON HUBBARD
Fax Number : 387.4323	Company : ERICKSON
Date : 6/29/95 Time : 1335	For Information Call:
Subject : TANK REMOVAL RESULTS	Fax Number :

Number of pages (3)

FOLLOWING IS THE ANALYTICAL RESULTS FOR ALEX KIMM TANK REMOVAL @ 360 KANSAS ST. REDLANDS. REMOVED MONDAY 6/26 @ 1300 HRS. IF YOU HAVE ANY QUESTIONS FEEL FREE TO GIVE ME A CALL.

THANKS

DON

EXT. 17.

HAZARDOUS WASTE - MANAGEMENT - TRANSPORTATION - SPILL RESPONSE
INDUSTRIAL CLEANING - ENVIRONMENTAL DECONTAMINATION
TANK (TSDF) PROCESSING - DEGASSING
PLANT CLOSURE - TREATMENT AND FILTRATION-WASTE MINIMIZATION

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---M8015(Gasoline)/M8020(BTEX)---

Client Name: Alex Kimm
Project Manager: Don Hubbard
Project Name: Alex Kimm

Date Sampled: 6-26-95
Date Analyzed: 6-27-95
Date Reported: 6-29-95

Sample Identification		Result (mg/kg or ppm)				
C&E ID	Sample ID	M8015 Gasoline	M8020 Benzene	M8020 Toluene	M8020 Ethylbenzene	M8020 Xylenes
50627D-1	AK1	ND	ND	ND	ND	ND
Detection Limit:		0.5	0.005	0.005	0.005	0.015

ND = Not detected at the indicated detection limit.

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---EPA 7420 (Total Lead)---

Client Name: Alex Kimm
Project Manager: Don Hubbard
Project Name: Alex Kimm

Date Sampled: 6-26-95
Date Analyzed: 6-27-95
Date Reported: 6-29-95

Sample Identification		Result
C&E ID	Sample ID	(mg/kg or ppm)
50627D-1	AK1	9.2
Detection Limit:		2.5

ND = Not detected at the indicated detection limit.

14096 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 310 921-8123, Fax: 310 921-7974

ERICKSON, INC
13738 Slover Avenue, Fontana, CA 92337
PHONE 909-355-5601 FAX 909-355-5912

ECO$_2$JET
DRYICE
BLASTING

FAX COVER PAGE

To: MIKE WARD	From : DON HUBBARD.
Fax Number : 909-387-4327	Company :
Date : 6-27-95 / Time : 12:05 PM.	For Information Call: 909-355-5601 EXT-17
Subject : ALEX KIM - TANK PULL	Fax Number :

Number of pages 2

HERE IS A COPY OF THE MANIFEST FOR THE TANK PULLED ON 6-26-95, AS REQUESTED. ANY OTHER QUESTIONS, PLEASE CALL

THANK YOU!

HAZARDOUS WASTE - MANAGEMENT - TRANSPORTATION - SPILL RESPONSE
INDUSTRIAL CLEANING - ENVIRONMENTAL DECONTAMINATION
TANK (TSDF) PROCESSING - DEGASSING
PLANT CLOSURE - TREATMENT AND FILTRATION-WASTE MINIMIZATION

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type — Form designed for use on elite (12 pitch) typewriter

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC001526CE — Manifest Document No. 63429 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law. ERICTANK

3. Generator's Name and Mailing Address
ALEX KIMM
360 KANSAS ST
REDLANDS CA. 92373

4. Generator's Phone (909) 798-7498 — 6. US EPA ID Number

5. Transporter 1 Company Name
ERICKSON INC. — CAD009466392 — 8. US EPA ID Number

7. Transporter 2 Company Name — 10. US EPA ID Number

9. Designated Facility Name and Site Address
ERICKSON, INC
13738 SLOVER AVE
FONTANA, CA 92337
CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA HAZARDOUS WASTE SOLID (waste empty storage tank(s)	001	TP	008000	P
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
EMPTY STORAGE TANK(S) ONCE CONTAINING PETROLEUM BY PRODUCT	a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY CONTACT (909) 798-7498 PHONE
ALEX KIMM
GLOVES GOGGLES TANK(S) 4552 JOB # 34311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: ALEX KIMM — Signature: Alex Kimm — Month 06 Day 26 Year 95

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: RUSSELL ALEXANDER — Signature: Russell Alexander — Month 06 Day 26 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name — Signature — Month Day Year

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: L.T. BARRIGAN — Signature: L.T. Barrigan — Month 06 Day 26 Year 95

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

95183429

GENERATOR

BE THIS COPY TO DTSC WITHIN 30 DAYS

SAN BERNARDINO COUNTY - DEHS

PAGE 1 / 1

HAZARDOUS MATERIALS FIELD SERVICES

UNDERGROUND STORAGE TANK REMOVAL

INSPECTION FORM

DATE: 26 JUNE 95 TIME: 1000

FACILITY NAME: AG-ALEX KIM

LOCATION: 360 KANSAS, REDLANDS

CONTRACTOR: ERICKSON, INC

INSPECTORS PRESENT DEHS WARD FIRE TEMBY AQMD OTHER

	QUANTITY	HAULER	DESTINATION
TRIPLE RINSATE			
TANKS	1	ERICKSON	ERICKSON

DEGASSING CONTRACTOR

MANIFEST # 95183429 SCAQMD REFERENCE # DRY ICE USED (10-15 # / 1000 g) 50

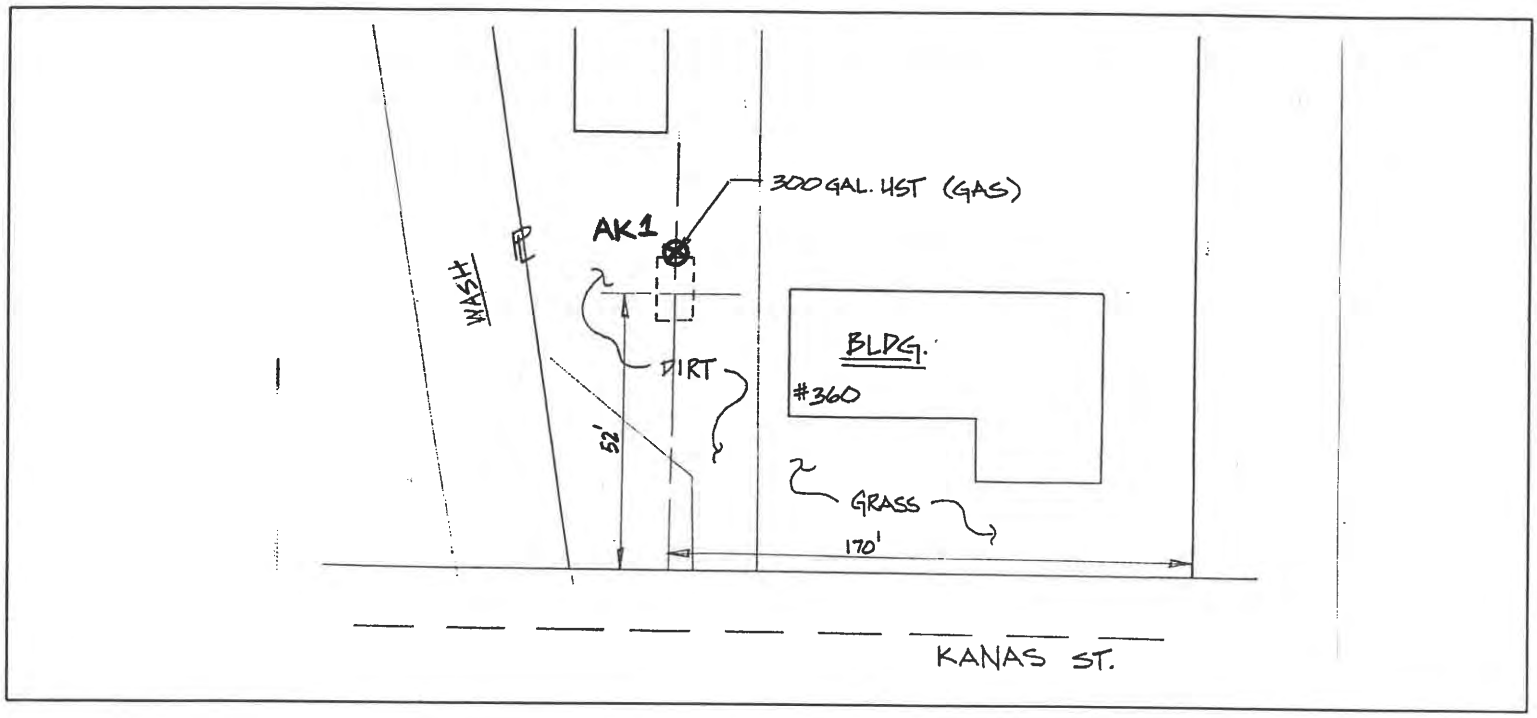
NOTES:

*UST HAULED AS HAZ-WASTE

INSPECTOR

TANK #	SIZE	MATERIAL HELD	UL #	APPEARANCE (RUSTY, HOLED, SOUND, ETC.)
1	300g	GASOLINE	B678514	SOUND

FACILITY MAP:



SAMPLE #	DATE	DESCRIPTION (color / soil / odor)	LOCATION	DEPTH	EPA TEST # 'S
1) AK4	7/3/95	MOIST/SILT-SAND/NONE	N/END UST PIT	7'	8020/8015M-G/7420
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					

SAMPLES TAKEN BY DON HUBBARD - ERICKSON LABORATORY CEE LABS

CONTAINER glass LABELS X SPLITS N/A HEADSPACE Ø SEALS X

REFRIGERATED X CHAIN OF CUSTODY X OTHER

REQUIRED EPA TESTS:
Gasoline: 8020 (BTEX) & 8015 (TRPH - modified for gas)
Diesel: 8020 & 8015 (modified for diesel) or 418.1
Solvents/HVO's: 8010
Waste Oil: 418.1 (with 8010 if solvents contamination is suspect)
Metals: 7030 (Cd), 7190 (Cr), 7950 (Zn), 7420 (Pb), 7080 (As), 8080 (PCB), 9010 (CN's)
Pesticides: 8080 (organo-Cl's), 8140 (N & P containing

NOTE:
UGST'S ≥1000 g require a minimum of 2 samples. One from the fill end and one from the turbine end. Also, a sample from the dispenser should be taken. Samples should be taken from at least 2' below native soil (not fill). If discoloration is noted in sidewalls, take samples there. And sample stockpiles if contamination is suspect. For piping, samples should be taken ± every 20' & at major joints.

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3082

LOG # 062095-03 **JOB CARD** 3859

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

REM 1

POST THIS CARD AT JOB SITE

Site Name & Address 360 KANSAS, REDLANDS
AG-ALEX KIMM

Contractor ERICKSON INC

Address/Phone No. 13738 SLOVER, FONTANA / 355-5601

	INSPECTION RECORD	APPROVED BY	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding Materials/Depth		
	Holiday Test, Tanks Set X_____		
	Manufacturer's UL #		
	Additional Requirements:		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Product Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Additional Requirements:		
FINAL INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12'' Beyond Excavation		
	Leak Detectors / Monitors Installed / Operational		
	Lockable Fluid-Tight Access for Monitoring Points		
	Precision Test Results		
	Additional Requirements:		
	FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)		
TANK REMOVAL INSPECTION	Tank(s) Removed X 1		
	Required Samples: 8020, 8015, 418.1 7420	MP	6/26/95
	Additional Test Requirements:		
	Removals **Can Not** Be Finaled Until A Copy Of The Sample Results Have Been Received And Approved By This Department.		
	Final — Approved for Backfill	MP	7/3/95

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS.

FOR INSPECTION CALL 5 DAYS IN ADVANCE AT (909) 387-3082.

THIS PERMIT EXPIRES 9 MONTHS FROM DATE OF ISSUANCE

DISTRIBUTION: White — DEHS
Canary — Agency
Green — Owner

14-16867-631 Rev. 3/94

Submit to:
San Bernardino County Department of Environmental Health Services
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

FEE:

$_____ First Tank — Fire Agency _____

$_____ Each Additional Tank — Number of Tanks this Application 1

JOB LOCATION

Facility Name or Contact Person: ALEX KIMM — Phone No.: 909-798-7498

Situs Address: 360 KANSAS ST

City: REDLANDS — State: CA. — Zip Code: 92374

OWNER

Name: SAME — Phone No.:

Mailing Address:

City — State — Zip Code

CONTRACTOR

Name: ERICKSON INC — Phone No.: 909- 355-5601

Mailing Address: 13738 SLOVER — City: FONTANA — State: CA. — Zip Code: 92337

Workman's Comp. No.: CO101469 — Policy No.:

State Contractor's License No.: 168067 — Types: A B HAZ — Expiration Date:

Water Sewer Agency _____

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

DON HUBBARD — Print Name

(909) 355-5601 — Phone Number

Don Hubbard — Signature

6/20/95 — Date

– OFFICE USE ONLY –

Under Permit ☐ Yes ☑ No

Est. No. _____

No. of Tanks _____

Fees Current ☐ Yes ☐ No

Delinquent Amount AG-EXEMP

Expiration Date _____

Amount #416.00

Check No. 2432

Date Paid 6/20/95

Taken By Pat

Log No. 062095-03

Job Card Issued No. 3859

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☒ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: ALEX KIMM	NAME OF OPERATOR: ALEX KIMM
ADDRESS: 360 KANSAS ST	NEAREST CROSS STREET: KANSAS & POST; PARCEL # (OPTIONAL):
CITY NAME: REDLANDS	STATE: CA; ZIP CODE: 92374; SITE PHONE # WITH AREA CODE: 909-798-7498

✓ BOX TO INDICATE: ☐ CORPORATION ☑ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS * ☐ COUNTY-AGENCY * ☐ STATE-AGENCY * ☐ FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☒ 3 FARM (☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 4 PROCESSOR ☐ 5 OTHER)	☐	3 |	CAC001052608

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
HUBBARD, DON	900-355-5601		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
SAME	909-424-6039		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: ALEX KIMM	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS: 360 KANSAS ST	✓ box to indicate: ☑ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: REDLANDS	STATE: CA; ZIP CODE: 92374; PHONE # WITH AREA CODE: 909-798-7498

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: ALEX KIMM	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS: 360 KANSAS ST.	✓ box to indicate: ☑ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: REDLANDS	STATE: CA; ZIP CODE: 92374; PHONE # WITH AREA CODE: 909-798-740

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- ☐☐☐☐☐☐

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER _____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☑ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
DON HUBBARD ON BEHALF OF ALEX KIMM	OWNER	6/20/95

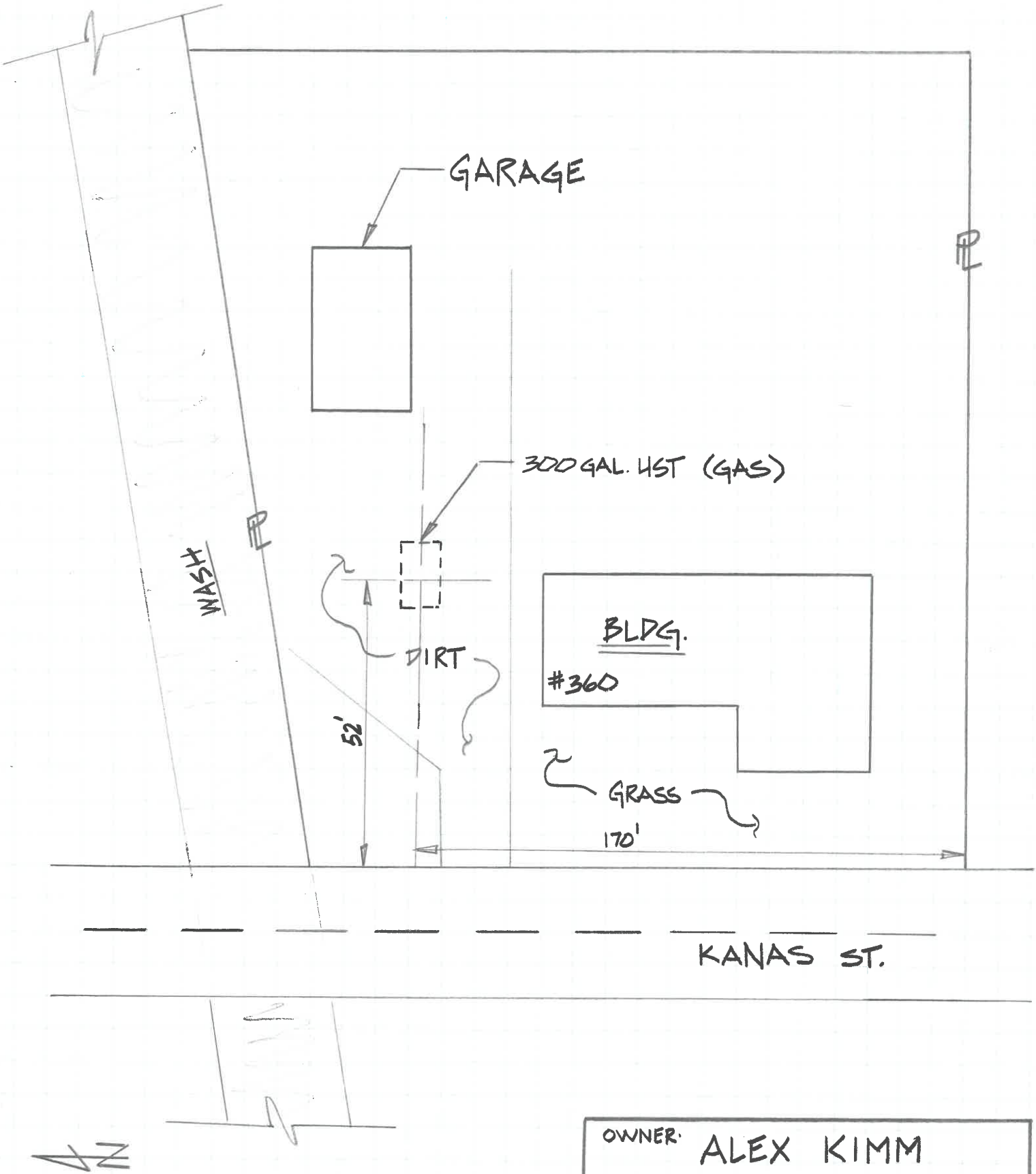
LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
☐☐	☐☐☐	☐☐☐☐☐☐

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



OWNER: ALEX KIMM

ADDRESS: 360 KANSAS ST. REDLANDS CA.

SCALE: NTS

APPENDIX E

THE EDR AERIAL PHOTO DECADE PACKAGE

Kansas Street Property

360 Kansas Street

Redlands, CA 92373

Inquiry Number: 6028383.11

March 31, 2020

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/31/20

Site Name:

Kansas Street Property
360 Kansas Street
Redlands, CA 92373
EDR Inquiry # 6028383.11

Client Name:

Northgate Env. Management, Inc.
24411 Ridge Route Drive
Newport Beach, CA 92660
Contact: Angie Tran

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: December 01, 1975	USGS
1968	1"=500'	Flight Date: August 22, 1968	USDA
1966	1"=500'	Flight Date: April 16, 1966	USGS
1959	1"=500'	Flight Date: June 22, 1959	USDA
1953	1"=500'	Flight Date: January 15, 1953	USDA
1949	1"=500'	Flight Date: May 08, 1949	USDA
1938	1"=500'	Flight Date: July 04, 1938	USDA
1930	1"=500'	Flight Date: March 25, 1930	FAIR

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INQUIRY #: 6028383.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6028383.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6028383.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6028383.11
YEAR: 2006
= 500'
N
EDR



INQUIRY #: 6028383.11

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 6028383.11

YEAR: 1989

= 500'

N

EDR


INQUIRY #: 6028383.11
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 6028383.11
YEAR: 1975
= 500'
N
EDR



INQUIRY #: 6028383.11

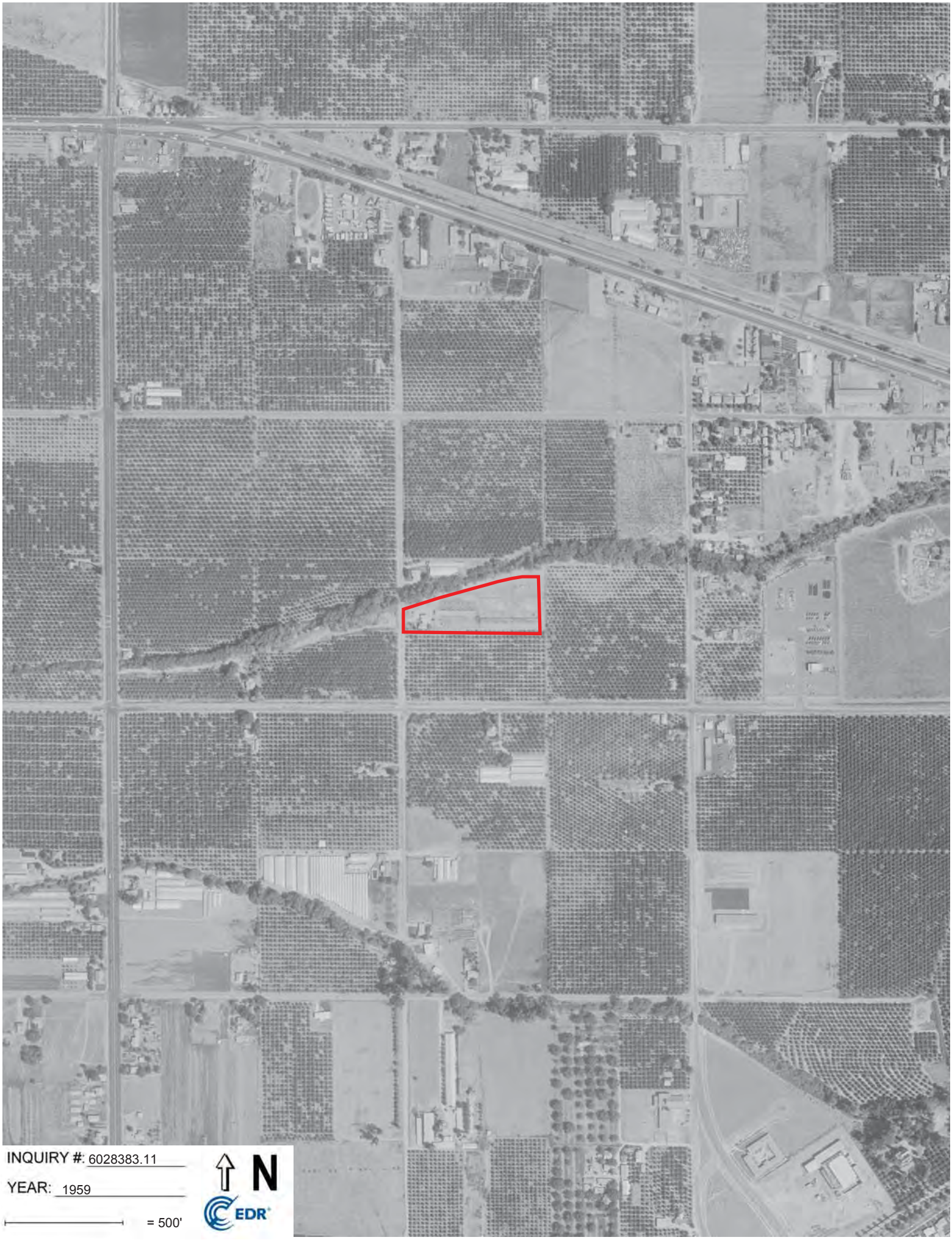
YEAR: 1968

= 500'

N

EDR


INQUIRY #: 6028383.11
YEAR: 1966
= 500'
N
EDR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YEAR: 1959
= 500'
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EDR


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YEAR: 1953
= 500'
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EDR



INQUIRY #: 6028383.11

YEAR: 1949

= 500'

N

EDR



INQUIRY #: 6028383.11

YEAR: 1938

= 500'

N

EDR


INQUIRY #: 6028383.11
YEAR: 1930
= 500'
N
EDR

APPENDIX F

CERTIFIED SANBORN® MAP REPORT

Kansas Street Property
360 Kansas Street
Redlands, CA 92373

Inquiry Number: 6028383.3
March 31, 2020

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/31/20

Site Name:

Kansas Street Property
360 Kansas Street
Redlands, CA 92373
EDR Inquiry # 6028383.3

Client Name:

Northgate Env. Management, Inc.
24411 Ridge Route Drive
Newport Beach, CA 92660
Contact: Angie Tran

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Northgate Env. Management, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # D4E1-4F8F-A4A7

PO # 2085.08

Project Kansas Street Property Phase I

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: D4E1-4F8F-A4A7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Northgate Env. Management, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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APPENDIX G

THE EDR HISTORICAL TOPOGRAPHIC MAP REPORT

Kansas Street Property
360 Kansas Street
Redlands, CA 92373

Inquiry Number: 6028383.4
March 31, 2020

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/31/20

Site Name:

Kansas Street Property
360 Kansas Street
Redlands, CA 92373
EDR Inquiry # 6028383.4

Client Name:

Northgate Env. Management, Inc.
24411 Ridge Route Drive
Newport Beach, CA 92660
Contact: Angie Tran

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Northgate Env. Management, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 2085.08

Project: Kansas Street Property Phase

Coordinates:

Latitude:	34.05679 34° 3' 24" North
Longitude:	-117.203136 -117° 12' 11" West
UTM Zone:	Zone 11 North
UTM X Meters:	481253.31
UTM Y Meters:	3768471.38
Elevation:	1256.67' above sea level

Maps Provided:

2012
1996
1988
1980
1973
1967
1954
1901
1899

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



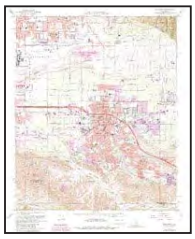
Redlands
2012
7.5-minute, 24000

1996 Source Sheets



Redlands
1996
7.5-minute, 24000
Aerial Photo Revised 1994

1988 Source Sheets



Redlands
1988
7.5-minute, 24000
Aerial Photo Revised 1985

1980 Source Sheets

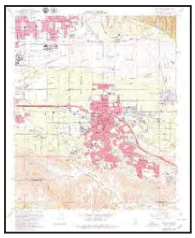


Redlands
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

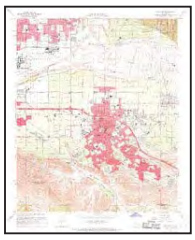
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



Redlands
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Redlands
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Redlands
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1901 Source Sheets



Redlands
1901
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

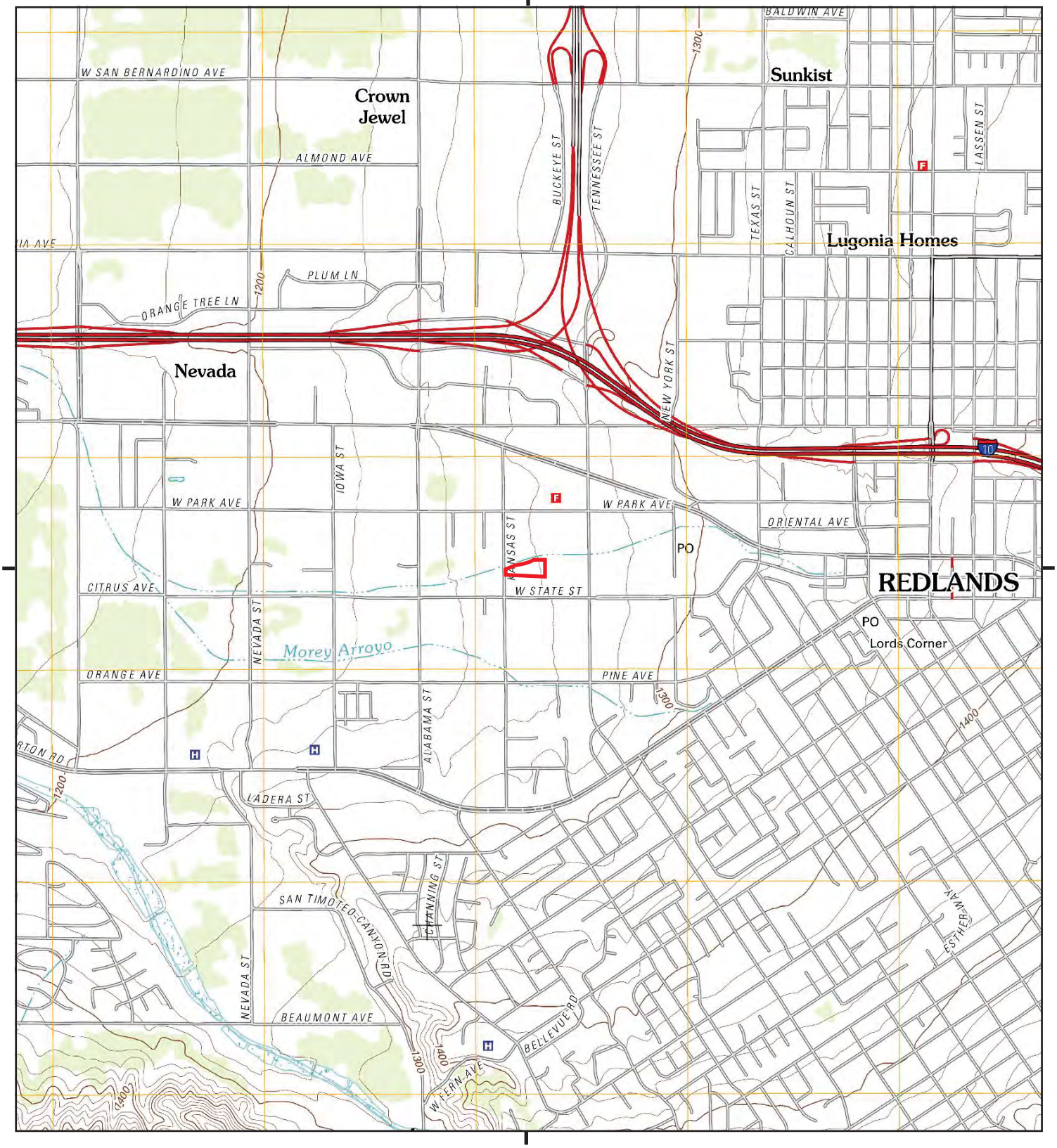
1899 Source Sheets



Redlands
1899
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

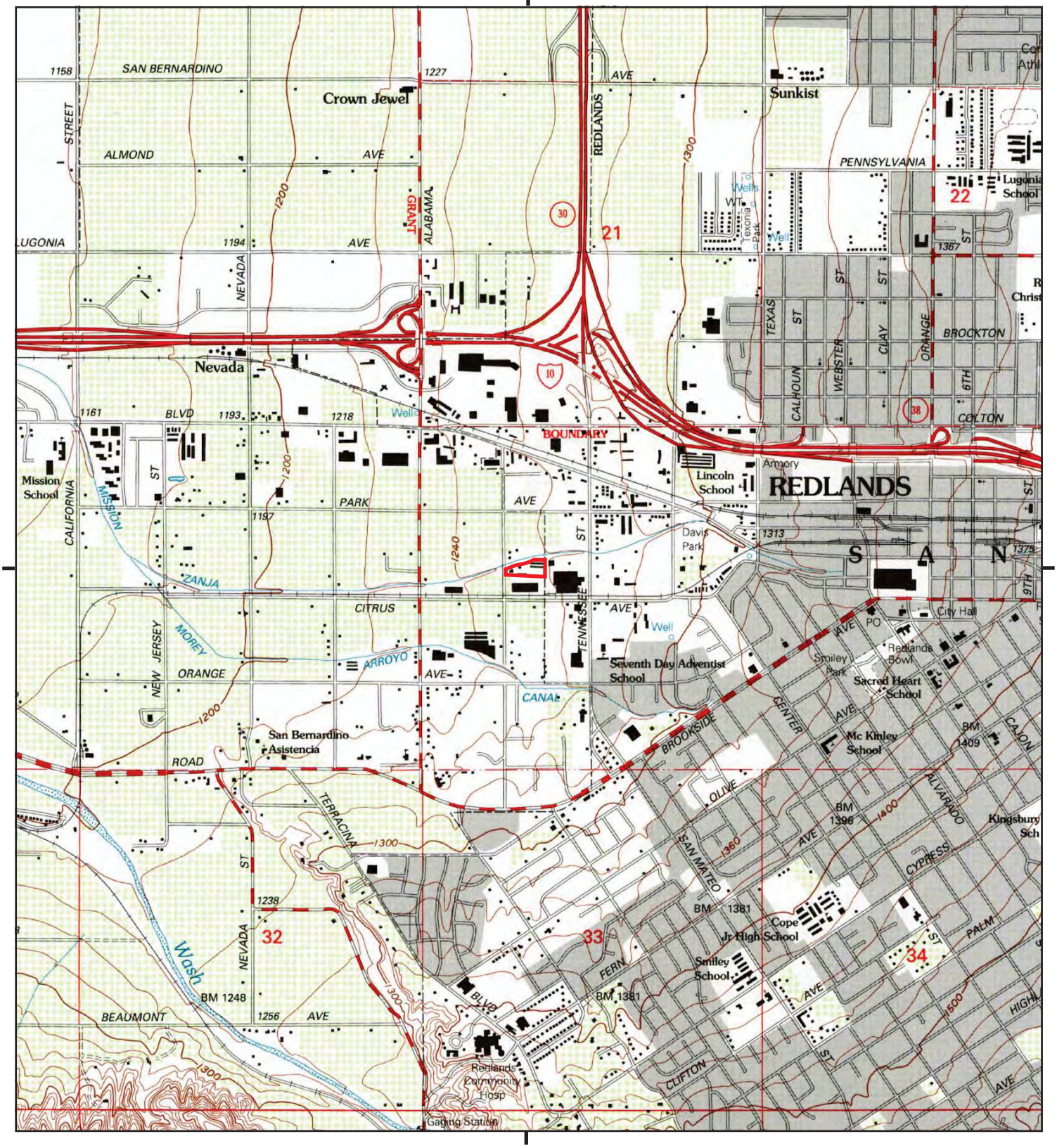
TP, Redlands, 2012, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N

Historical Topo Map

1996



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

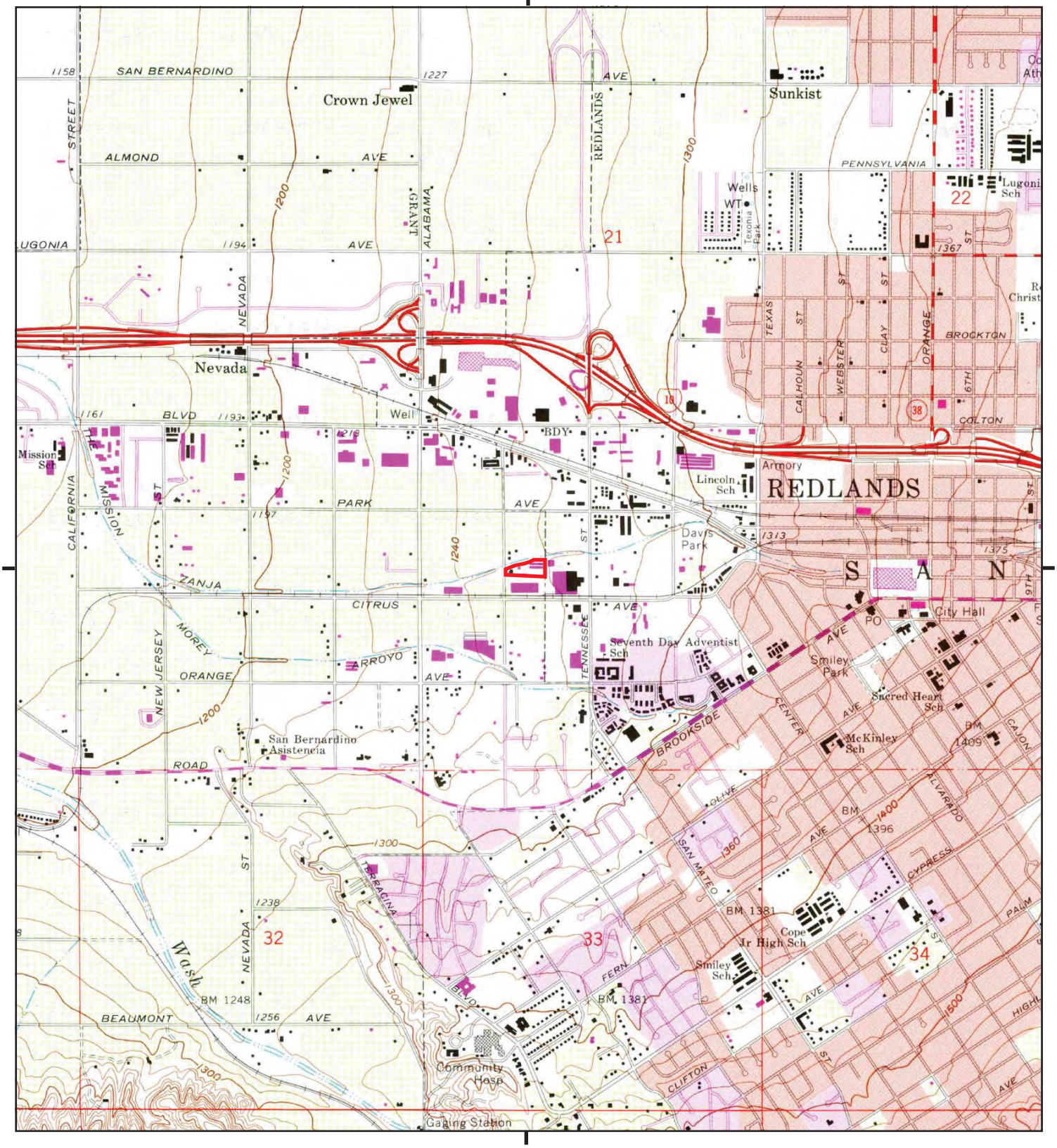
TP, Redlands, 1996, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N

Historical Topo Map

1988



This report includes information from the following map sheet(s).

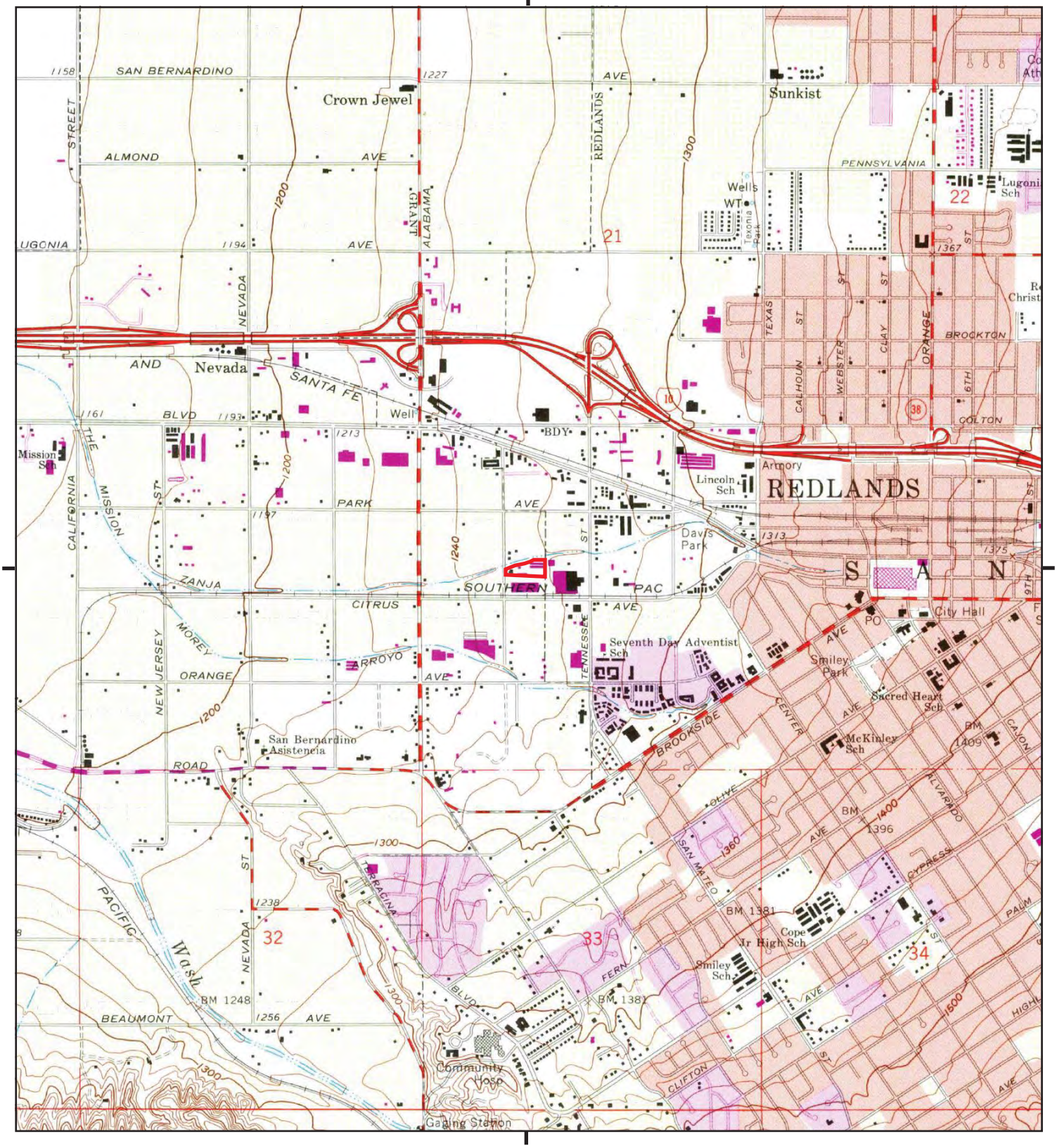
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1988, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

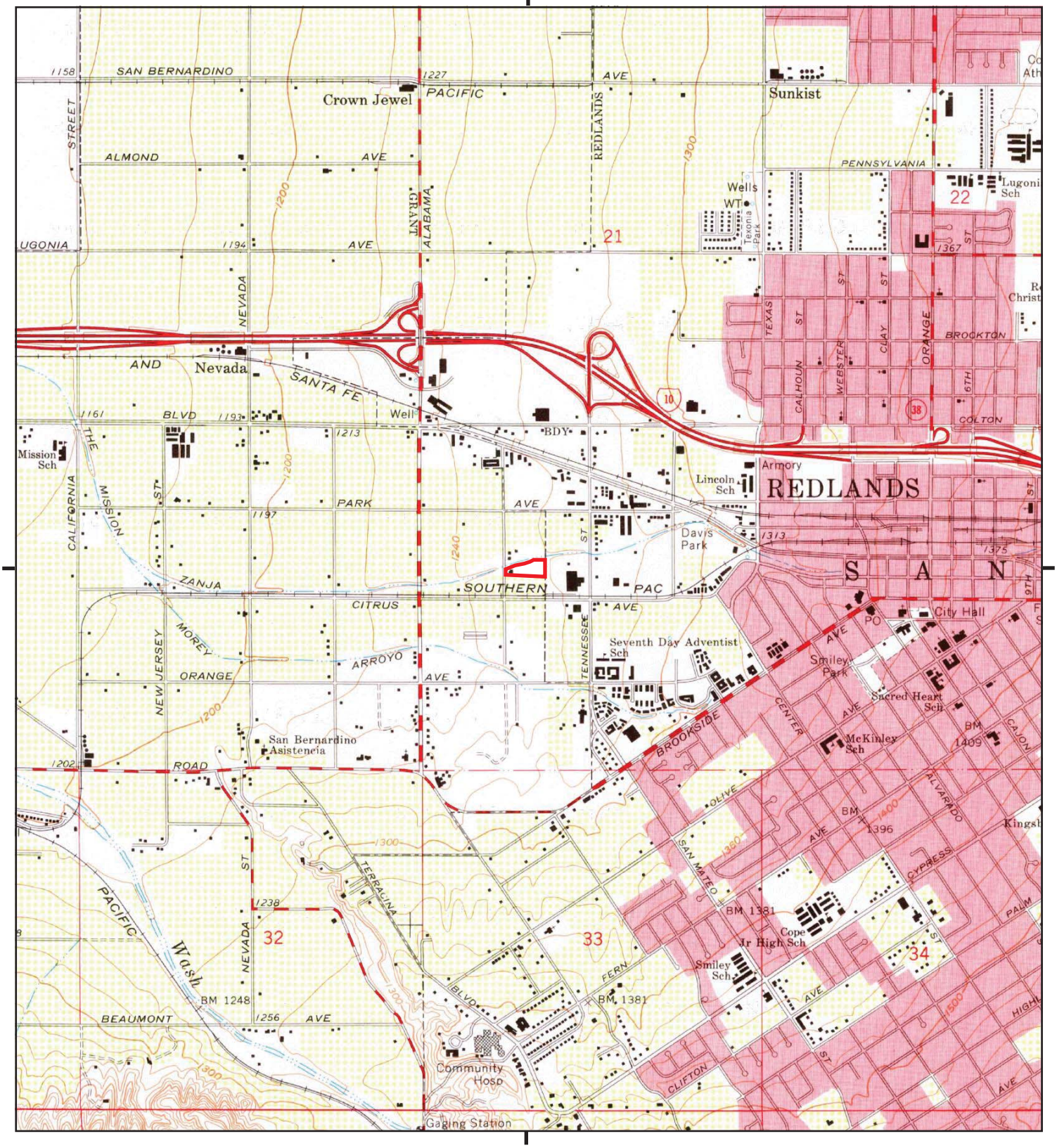
TP, Redlands, 1980, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

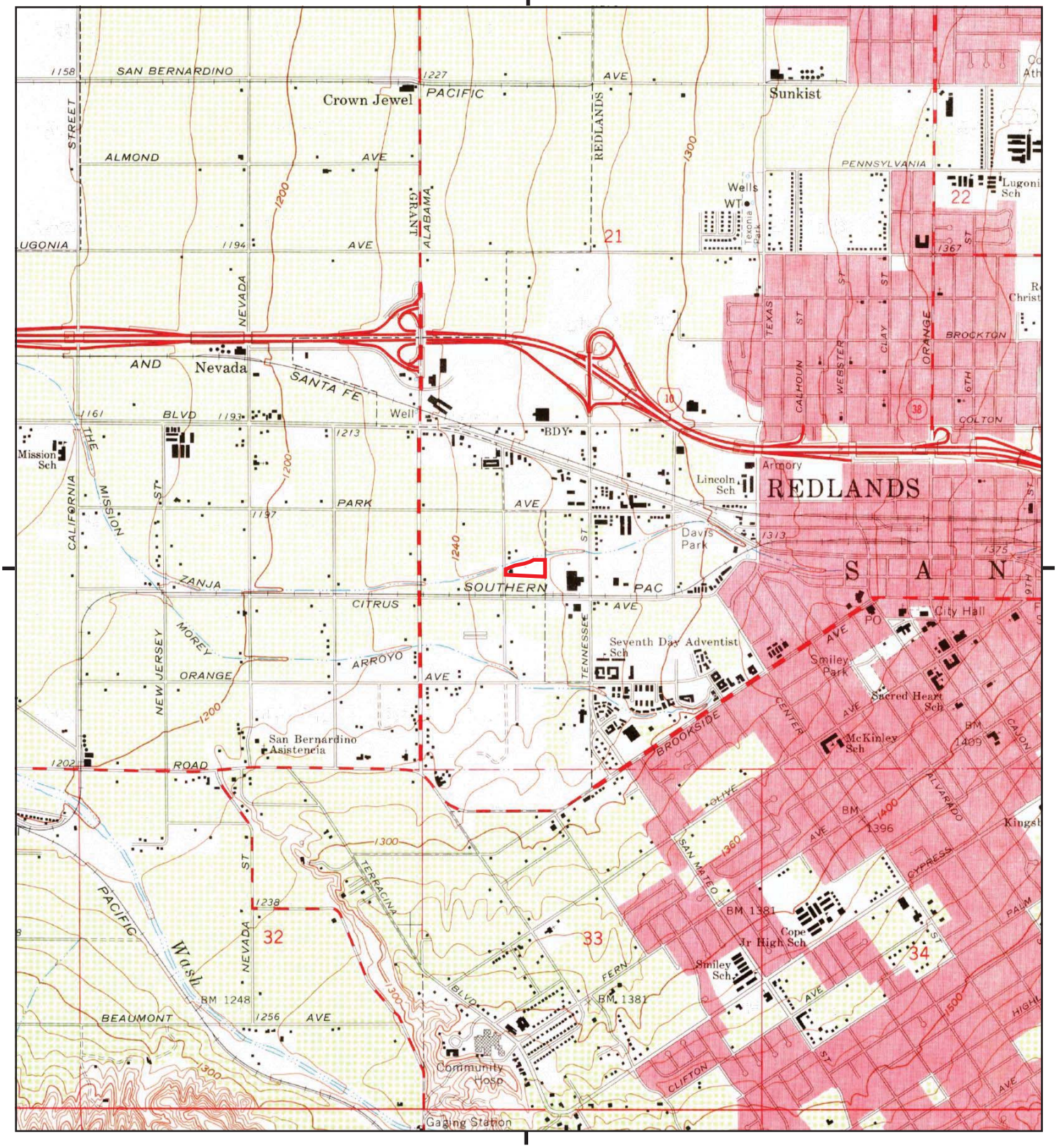
TP, Redlands, 1973, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

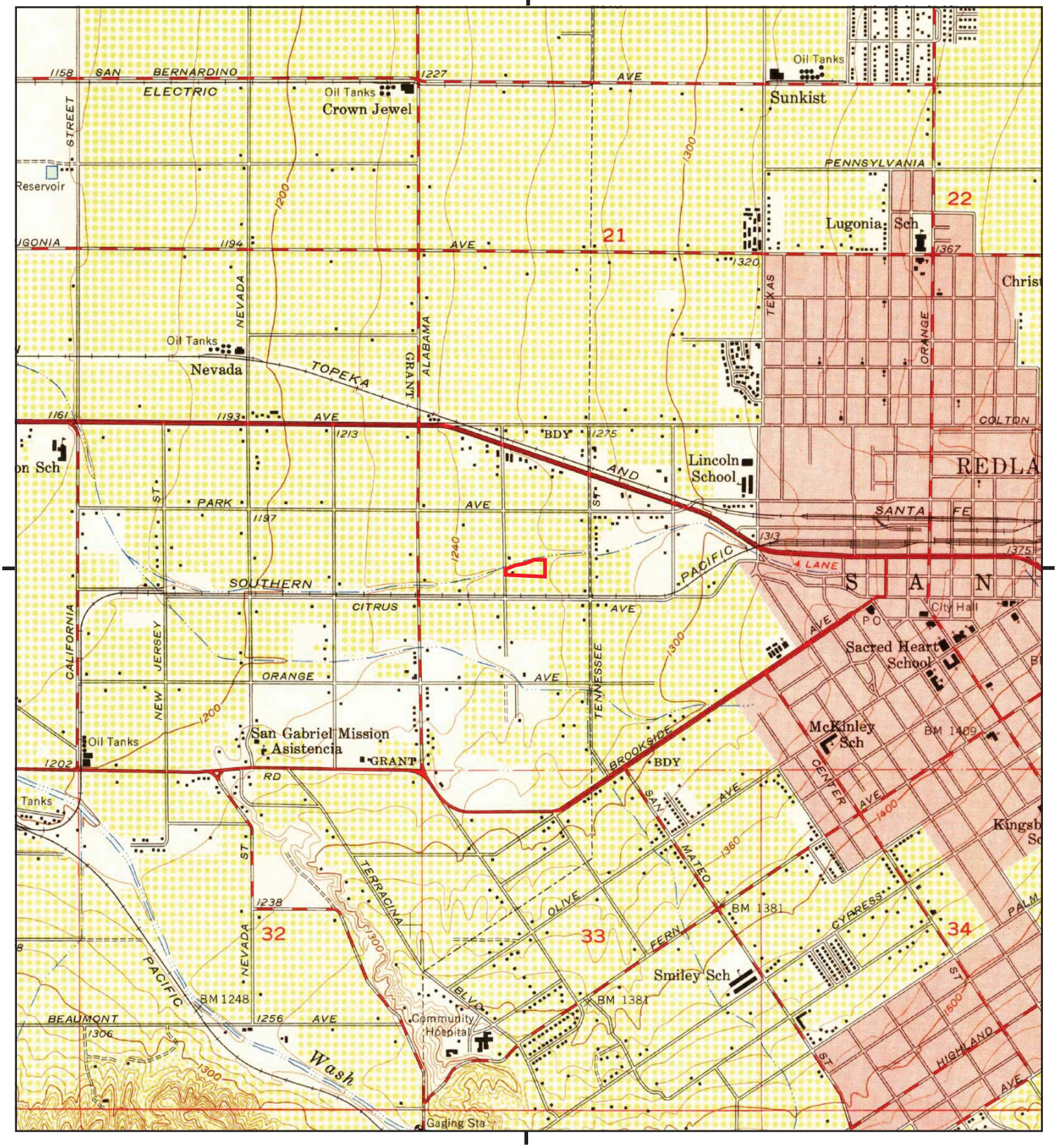
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1967, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N



This report includes information from the following map sheet(s).

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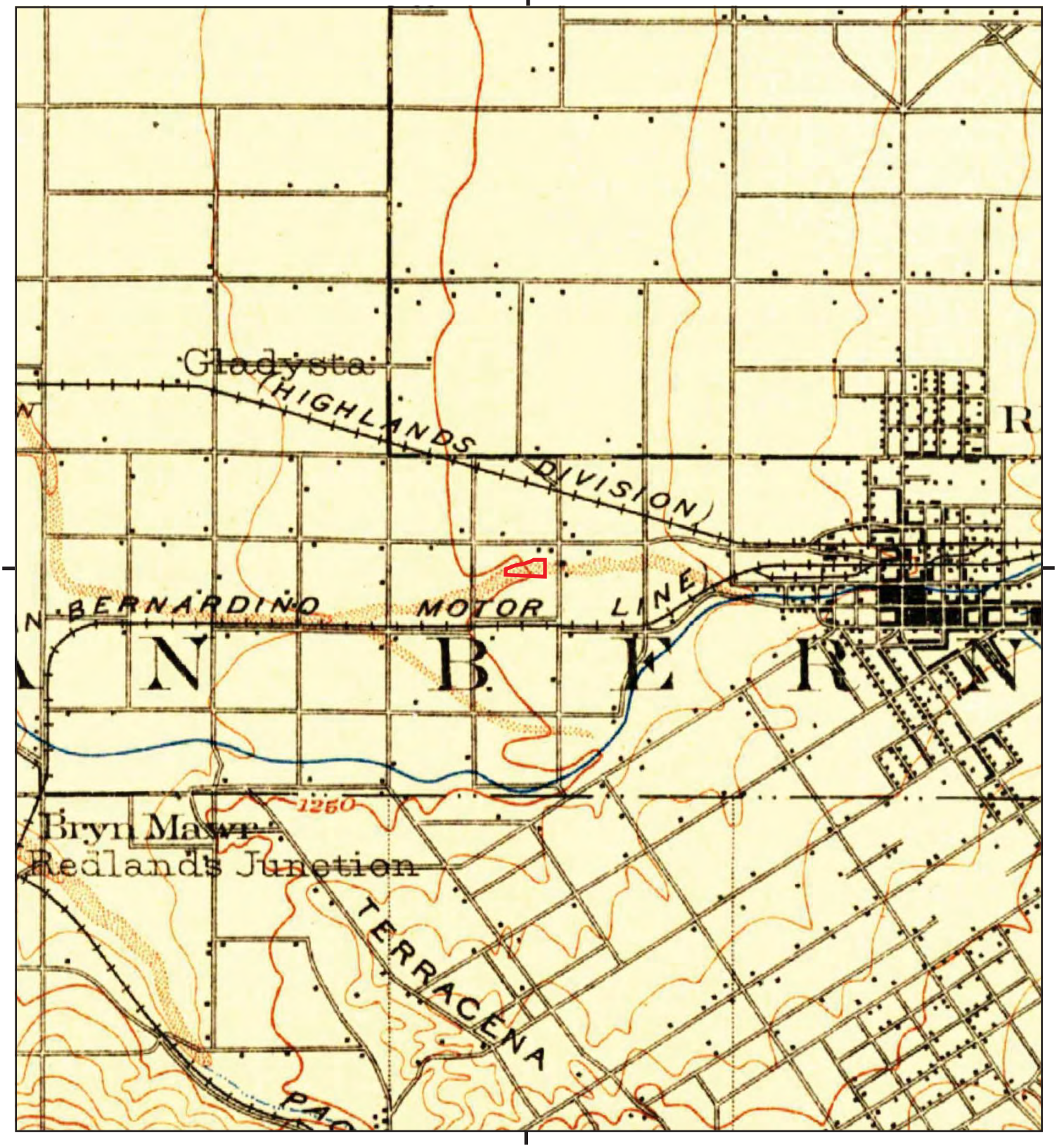
NW N NE
W E
SW S SE

TP, Redlands, 1954, 7.5-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N



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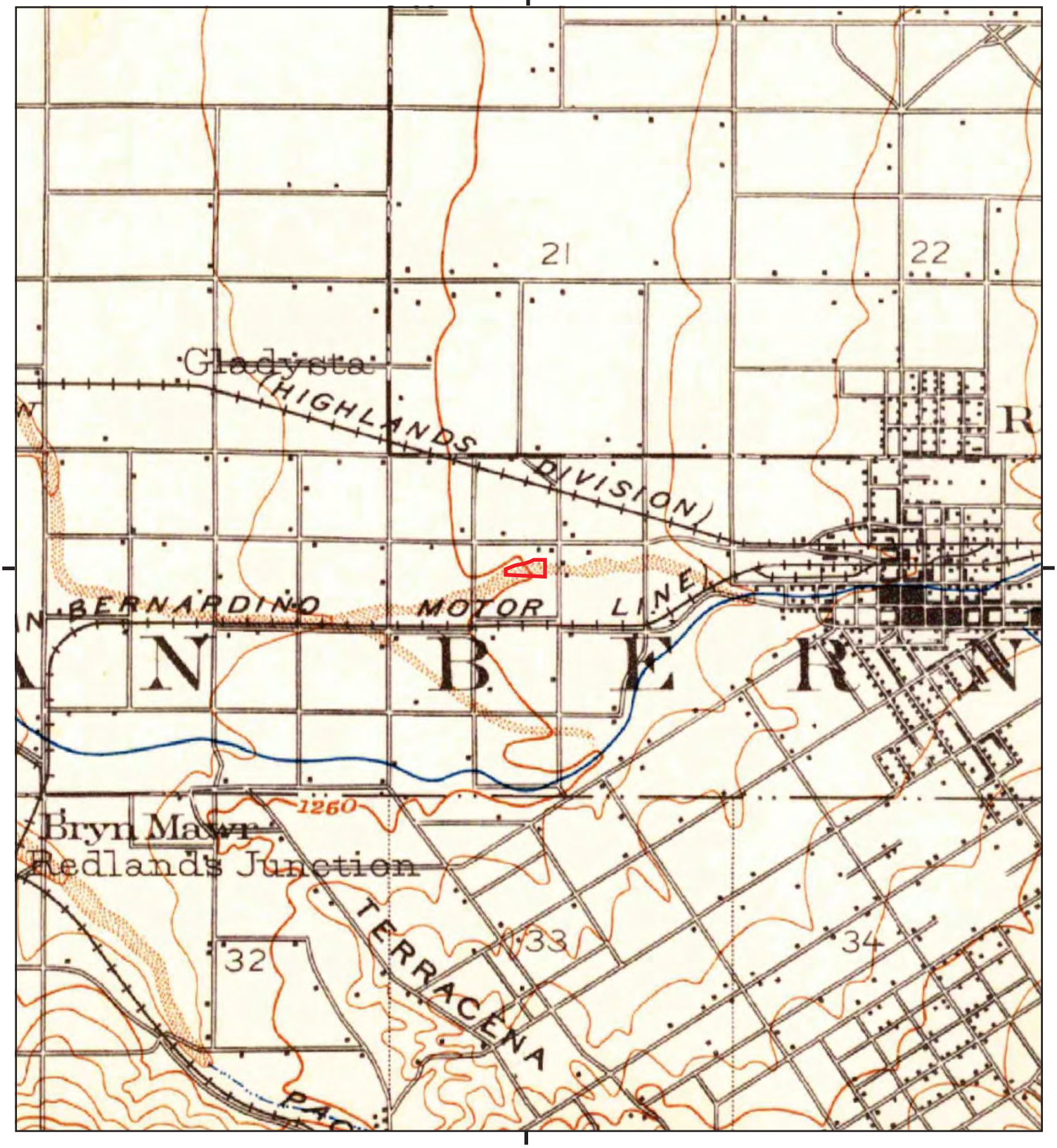
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redlands, 1901, 15-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N



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NW N NE
W E
SW S SE

TP, Redlands, 1899, 15-minute

SITE NAME: Kansas Street Property
ADDRESS: 360 Kansas Street
Redlands, CA 92373
CLIENT: Northgate Env. Management, Inc.

N

APPENDIX H

THE EDR-CITY DIRECTORY ABSTRACT

Kansas Street Property
360 Kansas Street
Redlands, CA 92373

Inquiry Number: 6028383.5
April 16, 2020

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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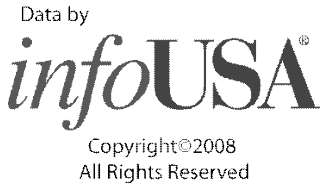


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1985	☑	☐	Haines Criss-Cross Directory
1981	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory
1972	☑	☐	General Telephone Co
1965	☑	☐	Luskey City Directory

FINDINGS

TARGET PROPERTY STREET

360 Kansas Street
Redlands, CA 92373

Year	*CD Image*	*Source*
KANSAS ST		
2017	pg A2	EDR Digital Archive
2014	pg A7	EDR Digital Archive
2010	pg A11	EDR Digital Archive
2005	pg A15	EDR Digital Archive
2000	pg A19	EDR Digital Archive
1995	pg A22	EDR Digital Archive
1992	pg A25	EDR Digital Archive
1985	pg A27	Haines Criss-Cross Directory
1985	pg A28	Haines Criss-Cross Directory
1981	pg A29	Haines Criss-Cross Directory
1975	pg A30	Haines Criss-Cross Directory
1972	pg A31	General Telephone Co
1965	pg A32	Luskey City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2017

2	STONE, JENNIFER N
4	DELEON, REGINA R
6	GONZALES, ERICKA
8	RIVERS, JOHN
12	MENOR, LISA G
14	GONZALEZ, ALFREDO
16	CRUZ, JUDE J
18	MANNING, ALICIA
20	MAILOOR, RAYMOND
22	SALCEDO, LILIANA
32	PERRY, TIMOTHY J
34	HUBBARD, TIA
36	PORTER, T
38	HILL, N
42	YATES, MICKEY
46	LOPEZ, MADAI
56	WASEMILLER, STEPHEN
62	STEADHAM, KRISTEN
64	ANDREOU, ANDREAS
66	HERRON, DAVE M
68	OROSCO, REBECCA
74	GONZALES, DONNIE D
76	KARA, LOUIS J
86	PARKER, CHET
88	HALEY, ALLEN S
92	ADAMS, SEBASTIAN
	ADENIJI, DEBRA
	AGUIRRE, RICHARD
	ANDON, DEBBIE
	ARRIETA, ISAIAH
	BASULTO, CARLOS
	BLAIR, LOURDES
	BRADLEY, ALAN H
	BREAULT, KYLE
	BROWN, PETE
	BUCHANAN, ROBBIE
	BUDD, JOHN
	BURKE, WILLIAM G
	CALDERON, DANIEL
	CARDENAS, JOHNNY C
	CARSON, L
	CASAS, ALDA L
	CHEESE, VERDELL J
	COMPTON, KEVIN J
	CORNEJO, ALICIA
	COX, WILLIAM R
	DAVALOS, LAURA
	DEFRANCO, LESLIE A
	DODARO, MICHELLE
	DRIVER, TERENCE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2017 (Cont'd)

92

DUCKETT, RICHARD
EADES, ROWINA
ESPINOZA, ERICA
FERNANDEZ, LORI A
FRANCO, HECTOR
GARCIA, JUSTIN M
GARCIA, STANLEY V
GARRITY, MICHAEL K
GLORIA, CHRISTIAN M
GONZALES, ALBERT
GONZALES, MIGUEL
GRAHAM, ANDREW S
GUBALANE, JOI
GUZMAN, V
HARO, ARMANDO M
HAYWOOD, ALEXANDREA
HEAD, ROBERT A
HERNANDEZ, LUIS
HERNANDEZ, ROBERT
HILL, CATHRYN
HOWELL, CHRISTOPHER
HULL, ALLISON
JONES, BOBBIE
KEMP, KIMBERLY
KHALAF, DINA
LEMUS, SYLVIA Y
LIVINGSTON, EUGENIA
LUJAN, AARON R
MADISON, JENNY
MARSHALL, KERRY
MASCIO, CHRISTIAN
MASONER, MARICHELLE
MCADAMS, SUMMER D
MCLAUGHLIN, CRYSTAL
MCMICHAEL, JORDAN
MEAS, SARAY
MEDINA, JOANN
MELISSA, DUSTYN
MEYERS, LELA
MILLER, B
MILLS, ALLEN
MITCHELL, HAILEY
MOLINA, VINCENT R
MOORE, MEGAN M
MORALES, JOSETTE
NOONEY, BRIAN
OATES, KAREN S
OCELLO, BRIAN
OLIVARES, PABLO C
ORTIZ, DARLENE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2017 (Cont'd)

92 PARK VILLA APARTMENTS
PARKER, BRYAN D
PAUNA, KOTCHI
PERCY, T
PERRY, CHARLES F
PHELPS, GARY L
RADKE, GINA
RADKE, JEANA
RAMIREZ, EUSEBIO M
RIFFEY, TYLER
RIVERA
ROBBINS, RANDY
RODRIGUEZ, LETICIA
RODRIGUEZ, ROMAN
RUBIO, AGUSTIN
SANCHEZ, DEBRA
SANCHEZ, ESTEBAN
SANTORO, NAOMI
SEGURA, ASHLEY
SERRATO, MELINDA L
SHARIKA, BENJAMIN S
STEFFANI, MICHAEL
STEWART, NIJU
SWEET, PHYLLIS R
SZYPUSZ, FRANK W
TABARAS, LILLY
TANAKA, BRITTNEY
TOOMEY, TROY
URENA, ANDREA
VELASCO, ERNESTO
VIENT, MARY H
WALTERS, RYAN
WHIFFEN, JAMES
WILSON, TREVOR G
YEBRA, JENNIFER
YODRUNGRUENG, NITTAYA
YORK, HEATHER

93 AGUILAR, EXAVIER
ARRELOA, J
BENEDICT, SHAWN A
BLANCHE, JOHN E
CAMPBELL, JOAN M
CARNES, DAVID M
CHACONAS, ANNA L
CHIVITE, ISMAEL
CHOY, CONNIE M
CLARK, C H
CLEM, DONALD
COODY, RABECKA
COURTNEY, JOHN S

KANSAS ST 2017 (Cont'd)

93	CRESPO, SUSANA M
	FOLTS, LAURA E
	FOREMAN, OSCAR E
	GARJIAN, LARA
	GARON, PATIENCE M
	GLASSER, ELLIOT P
	GOULD, ELIZABETH
	GRAFFORD, STEPHEN
	HARIRI, HAMID R
	KEOUGH, ANNE M
	KIM, BRIAN
	KUHN, LK
	LAMBETH, JESSE C
	LARA, ERIC L
	LENO, SONDRA L
	LMJ INVESTIGATIONS
	MAHDIZADEH, ALI
	MARUNO, CARRIE S
	MCCLUNG, THOMAS F
	MCFATTER, LARRY E
	MULLER, THOMAS F
	PAK, ANDREW
	PEDERSEN, JENNIFER M
	QUINONES, KRISTINA T
	QUINTANA, VANESSA A
	RICARD, EMILY
	SALINAS, BRITTANY N
	SEUBDI, PRAJAN
	SHAH, DHRUMIL
	SHANNON, SHANISE
	TABOREK, ALEX
	TERUKINA, RICHARD
	THARAYIL, PRIYA R
	TRAVIS, SHAUNA
	VAL, TRAVIS C
	WILLIAMS, EMILY A
	XIE, JINGXIAN
120	BRUHJELL, GREGG P
130	VANGROUW, RON J
141	CURRENT ENTERPRISES INC
	SAFEWAY BUILDING SERVICES
300	SAFEWAY STORAGE
301	RETTIG MACHINE INC
377	CUSTOM MATERIAL SALES
	FLAMBEAU PRODUCTS CORP
	J & E MACHINE
400	CF EQUIPMENT RENTAL LLC
	INTERMODAL SHIPPERS GROUP INC
421	AMERICAN GALVANO
450	DAVID OLLIS LANDSCAPE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2017 (Cont'd)

450	ITR AMERICA
	WASHINGTON PRODUCE
451	ALARMCO SECURITY ONE SERVICES INC
	DAVIDSONS ELECTRIC
504	CITY GOVERNMENT CITY OF REDLANDS
625	BOS, PHILLIP
	COX, EARL C
	DURANTE, LOUISE
	ELLISON, RUTHEMMA J
	MARKHAM, TERRY
	ORTIZ, ANTHONY
	PUNYOT, SOMNUEK N
	REKLAI, PAUL
	SEVERT, ROBERT E
	SIMS, LEONARD

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2014

2	HUCKINS, K
4	DELEON, REGINA
6	GONZALES, MICHAEL J
8	OCCUPANT UNKNOWN,
10	OCCUPANT UNKNOWN,
12	MENOR, LISA G
14	HERNANDEZ, OLIVIA
16	OCCUPANT UNKNOWN,
18	OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
26	SALCIDO, SYLVIA
28	OCCUPANT UNKNOWN,
30	SANCHEZ, NYDIA R
32	ADAMS, JESSICA
	ALLEN, J A
	PERRY, TIMOTHY J
34	OCCUPANT UNKNOWN,
36	OCCUPANT UNKNOWN,
38	RATIU, NICHOLAS
40	OCCUPANT UNKNOWN,
42	YATES, MICKEY
46	LOPEZ, MADAI
48	OCCUPANT UNKNOWN,
52	LUDIKHUIZE, CHRIS
54	GALINDO, RODRIGO
56	NEIL, DEBBIE S
64	VISTA, MICHELLE
66	HERRON, DAVE M
68	OCCUPANT UNKNOWN,
70	GODES, NATALYA I
72	OCCUPANT UNKNOWN,
74	OCCUPANT UNKNOWN,
76	KARA, LOUIS J
82	CARBAJAL, ERNESTO H
84	OCCUPANT UNKNOWN,
86	PERRY, MONICA
88	KRELL, KRISTIN
92	ADAMS, SEBASTIAN
	AGUIRRE, DESIREE R
	AKIMANA, JACQUELINE
	ANDERSON, BREANNA
	ANDERSON, DAVID T
	BLAIR, DEREK L
	BOOTH, TARYN
	BRAEFIELD, MICHAEL
	BREAULT, KYLE
	BROWN, PETE
	BROWN, TRACI S
	CARSON, L
	CHEESE, VERDELL

KANSAS ST 2014 (Cont'd)

92 CHIASSON, ERIC
CHRISTIE, C
COLLINS, VALERIE
COX, ILENE J
COX, WILLIAM R
DAVIS, ANTHONY
DEFRANCO, LESLIE A
DEMARCO, SANDRA K
DEVONSHIRE, ANGELA
DODARO, MICHELLE
DOUGLAS, MELISSA
DOWNS, MELISSA
DRIVER, TERENCE
EBERSOLE, DAVID
EVANS, TWILA
FABER, TODD C
FIELDS, MARQUA
FORD, CHANDRA L
FRANKLIN, PAUL R
GARCIA, JUSTIN M
GLOVER, APRIL
GONZALES, ALBERT
HARRIS, DARYLN
JOHANNSSON, JOHANN H
JOHNSON, SARAH
JONES, EDWARD
KAUR, MANDEEP
KIM, CINDY
KING, JOANNA
LANG, AIMEE E
LEOMAN, MARSHALL
LOYD, JIMEK
LUJAN, AARON R
LUNDY, RAYMOND J
MACKEY, NOEL A
MARSHALL, KERRY
MASCIO, CHRISTIAN
MCCUE, BILL
MCLAUGHLIN, CRYSTAL
MCLELLAN, AMBER
MENDOZA, TIFFANY
MILLER, NICHOLAS
MORA, MICHELLE
NORDEN, LINDSI E
OATES, KAREN S
OLGUIN, TIMOTHY S
ONKEN, BARBARA J
ORTIZ, FRANCESCH O
OSTOS, LINDA C
PACHECO, PRISCILLA

KANSAS ST 2014 (Cont'd)

92 PAHDOCONY, PUNEETUH W
PARK VILLA APARTMENTS
PEDROZO, MILO
PERRY, CHARLES F
PETERSON, FAY A
PHELPS, ANTHONY
PONTIUS, JEFFREY A
PYGOTT, MARY L
QUESADA, JACQUELYN
RAMIREZ, EUSEBIO M
RICHARDSON, CORNELL
RODRIGUEZ, DAVID
RODRIGUEZ, REBECCA
RUNDENGAN, A
SANCHEZ, ESTEBAN
SHARIKA, BENJAMIN S
SITOMPUL, OKTARINA
STEFFANI, MICHAEL
SWEET, PHYLLIS R
SZYPUSZ, FRANK W
TAYLOR, ANDREW
THOMAS, ERIC P
TOOMEY, TROY
VYHNAL, BRITTANY L
WATKINS, ANTHONY
WILLIAMS, DEBRA
WITHERSPOON, BRANDON
YEBRA, JENNIFER
YOKHANA, W K

93 CASTRO, JUAN
CHIVITE, ISMAEL
CHOY, CONNIE M
CLARK, CHRISTINE E
DRAGE, JOHN S
ELIKU, ARVAND
FIELD, LAURA E
FLYNN, PATRICK B
FRATES, JENNIFER
GARJIAN, LARA
GAURINO, MARVIN M
GLASSER, ELLIOT P
GOYAL, APURVA G
GRAFFORD, STEPHEN
HARIRI, HAMID R
HARIRI, OMID R
HERRERO, TRAVIS M
HOWK, WILLIAM F
HSIEH, KAREN
KEOUGH, ANNE M
LAMBETH, JESSE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2014 (Cont'd)

93	LARA, ERIC L
	LEELHASUWAN, MAYUREE
	LIMON, EDWARD M
	LONGORIA, KIMBERLEY A
	MAHDIZADEH, ALI
	MARUNO, CARRIE S
	MCCLUNG, THOMAS F
	MCFATTER, LARRY E
	NUTTER, DAVID W
	ORR, RAYMOND A
	PAHUJA, VISHAL
	PATEL, VINESH M
	QUINTANA, FRANCES
	SAIKALI, LARA
	SCHLAIFER, AARON N
	SHANNON, SHANISE
	SHIMOFF, LISA M
	SMITH, MELANIE A
	TAGGART, ELLE J
	TRURAN, MARC Q
	VAL, TRAVIS C
	VICTORIO, JEFF
	WESTERMEYER, MONA L
	XIE, JINGXIAN
	YUNE, JOSH
110	OCCUPANT UNKNOWN,
120	BRUHJELL, GREGG P
130	GROUW, HANNA
	VANGROUW, RON J
140	OCCUPANT UNKNOWN,
141	CURRENT ENTERPRISES INC
300	SAFEWAY STORAGE
301	RETTIG MACHINE INC
360	OCCUPANT UNKNOWN,
377	FLAMBEAU PRODUCTS CORP
400	CF EQUIPMENT RENTAL LLC
	INTERMODAL SHIPPERS GROUP INC
421	AMERICAN GALVANO
450	CCI
	DAVID OLLIS LANDSCAPE
	ITR AMERICA
	WASHINGTON PRODUCE
451	ALARMCO SECURITY ONE SERVICES INC
	DAVIDSONS ELECTRIC
455	NOM, DAVID
504	CITY OF REDLANDS
625	CRUZ, ILDEFONSO
	PINON, JOSHUA C
	PUNYOT, SOMNUEK N
	REISS, DREW V

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2010

2	HUCKINS, K
	RIVERA, NICOLE R
	SIONG, JING
8	GUTIERREZ, LUPE
10	EL-ZEAITER, NANCY
12	JOHNSON, JILLIAN S
14	OCCUPANT UNKNOWN,
16	OCCUPANT UNKNOWN,
18	GARNER, BRUCE W
20	OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
28	OCCUPANT UNKNOWN,
30	SHASKY, PAT J
32	FOURNIER, MARIE
36	WAGNON, MICHAEL J
38	GUERRA, SALVADOR R
40	ARCEO, PATRICIA L
42	OCCUPANT UNKNOWN,
46	NOVAL, OLIVER
48	OCCUPANT UNKNOWN,
50	DOEHRMAN, JOHAN
52	HAMRE, JAMES S
54	GALINDO, RODRIGO
62	KARN, AMY
64	HALCON, JOHN D
66	HERRON, DAVE M
70	EBERLE, JANA E
72	JONES, MELISSA
76	KARA, LOUIS J
82	CHEN, HUIMING
84	OCCUPANT UNKNOWN,
86	OCCUPANT UNKNOWN,
88	CHANDRA, GREG M
92	ALLEN, RHIANNON S
	BANKS, ASHLEY
	BENDEMIRE, GARY L
	BROWN, TRACI L
	BURRIS, XAVIER A
	CAPE, DURADO
	CHAPMAN, SPENCER J
	CLARK, JOSEH
	COX, WILLIAM R
	DANIEL, GEORGIA
	DAVID, TAVIA
	DESOMOI, SANDY J
	DIXON, TORI
	ESTRADA, NATALEE
	EVANS, BREANNA A
	FARLEY, BEVERLY J
	FARRA, MARILYN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2010 (Cont'd)

92

FORD, CHANDRA
GALIS, DEJA
GARCIA, ELIZA
GILSON, EUGENE G
GLORIA, CHRISTIAN
HARRIS, DARYLN
HILLIARD, KENNETH
HORVITZ, ASHLEY
HUERTA, JENIPHER R
JOHNSON, BRIAN
JORDAN, RUSSELL
KELLEY, LESLEY J
KELLY, MANUEL W
KIM, NICK K
KOSASIH, TOMMI
KRAMPE-BRANCH, SHAYLA
LANSDALE, DEREK
LEE, CHANG W
LEHR, ASHLEY
LUJAN, AARON R
LUNDY, DEBORAH
MACKEY, NOEL
MALINOWSKI, NIKKI
MARIN, JUAN R
MARQUEZ, HEATHER
MARTIN, SKYH
MARTINEZ, CAYLEN
MATTICE, ANDREA
MCCORMICK, S
MCCUE, B
MCDOWELL, KYLE A
MITCHEL, CRAIG C
MOERBECK, KRYSTAL
NCP TRANSPORT
NORMAN, ALISHA F
OATES, KAREN S
OLGUIN, TIMOTHY S
ORTIZ, FRANCESCH O
PARK VILLA APARTMENTS
PAUMA, NICOLE
PERRY, JOHN
PIMENTEL, MARGARET
POURIER, HEATHER B
RAMIREZ, EUSEBIO M
RAMIREZ, JESSICA Y
RICHARDSON, CORNELL
RILEY, LINDSEY N
RIVERA, RAMON
ROBERTS, ELIZABETH
RODRIGUEZ, DAVID

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2010 (Cont'd)

92	RODRIGUEZ, MELISSA R
	SALDIVAR, BERTHA
	SANTORO, NAOMI
	SCALLY, GEORGE
	SCHEIBEL, REBECCA
	SCHREIBER, PETER C
	SHARP, CHELSEA
	SHED, SAMANTHA A
	SIERRA, ROBERT
	SIMBOLON, MARTHA M
	SIMPSON, APRIL
	SONDAKH, JOHN
	THOMPSON, STEPHANIE
	TORRES, WILLIAM H
	TOTH, DUSTIN
	TURNER, ALYSSA
	TURPIN, JILL E
	ULLOA, DANIEL
	WHITE, DEBRA A
	WILCOX, DAVID E
	WILLIS, JESSICA
	YASHMI, MOHAMMAD
	ZHU, YONG
93	ADAMS, PETER S
	BECKER, STEVEN A
	BLANCHE, JOHN E
	CAMPBELL, JOAN M
	CEBALLOS, MARIA F
	CHIVITE, ISMAEL
	CLARK, CHRISTINE E
	COURTNEY, JOHN S
	CRUM, WILLIAM
	CRUZ, MARTIN R
	DECOSTER, JAMIE M
	DIBBLE, JENNY
	DRAGE, JOHN S
	DYER, D
	EDWARDS, ROBERT N
	EISEN, HEATHER
	FOLLETT, DENNIS H
	GLASSER, L
	HANNAH, BARBARA M
	KEOUGH, ANNE M
	LEE, IRENE E
	LOPEZ, JUAN M
	MCFATTER, LARRY E
	MULLER, THOMAS F
	NGUYEN, NANCY
	NIELSEN, MORTEN
	ODAY, CARL A

KANSAS ST 2010 (Cont'd)

93	PAHUJA, VISHAL
	PALMER, PAUL M
	PARKER, BONNI J
	PENNER, MICHAEL
	PHILIPSON, JONATHAN M
	PUTTI, NAGENDRA
	ROSE, JEFFREY T
	SEKAR, ARVIND V
	SILAO, ANDY D
	SPENCER, TILDEN N
	STEWART, EVAN P
	THORSON, AMY M
	TULLO, TINA
	VAL, TRAVIS C
	VARGAS, JOSEPH A
	WEAVER, WARREN E
120	OCCUPANT UNKNOWN,
130	VANGROUW, RONALD J
140	FERSUSON, EMERSON
301	RETTIG MACHINE INC
377	FLAMBEAU INC
400	CONCRETE PAVING CONTRACTORS
421	AMERICAN GALVANO
450	WASHINGTON PRODUCE
451	ALARMCO SECURITY SYSTEMS
	DAVIDSONS ELECTRIC
504	REDLANDS ANIMAL SHELTER
625	BORING, JENNIFER
	CRUZ, ILDEFONSO
	MITCHELL, CHARLES
	PUNYOT, SOMNUEK
	SALAZAR, ROSALINDA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2005

2	SIONG, JING
8	LUND, DAVID
10	OCCUPANT UNKNOWN,
16	OCCUPANT UNKNOWN,
18	OCCUPANT UNKNOWN,
20	OCCUPANT UNKNOWN,
22	LOPEZ, JANNETTE
24	OCCUPANT UNKNOWN,
28	LEE, JULIE Y
30	SHASKY, PATRICK J
32	HERNANDEZ, THERESA
34	ORRELL, RON D
36	WAGNON, MICHAEL A
38	OCCUPANT UNKNOWN,
40	OCCUPANT UNKNOWN,
44	RAVERA, DAVID R
46	OCCUPANT UNKNOWN,
48	CHEN, STELLA
50	ARMITAGE, SCOTT C
52	HAMRE, JAMES S
54	OLEARY, AMY M
56	OCCUPANT UNKNOWN,
62	KARN, LORI A
	WASHINGTON-HARM, DONNA
66	HERRON, DAVE M
68	OCCUPANT UNKNOWN,
72	MCCLAIN, GLORIA J
74	OCCUPANT UNKNOWN,
76	KARA, LOUIS J
82	OCCUPANT UNKNOWN,
86	NIGHTINGALE, AUDRA J
88	OCCUPANT UNKNOWN,
90	HOWARD, DUSTIN S
92	ALLEN, DANNY K
	ALLEN, RHIANNON
	APODACA, CRYSTAL
	ARIAMAL, RAY
	BANKS, KEITH A
	BARREDO, EMILY C
	BELCHER, SEAN
	BENDEMIRE, GARY
	BISHOP, BRYAN
	BOULWARE, ROBERT
	BRUMFIELD, CARRIE K
	CAPE, DURADO
	CARRILLO, BLAKE
	CASTILLO, DAVID O
	CEDRO, PAMELA A
	CERA, ANTHONY
	CHEN, BEN

KANSAS ST 2005 (Cont'd)

92
CHIASSON, ERIC
CLARK, JOSEH
CLARK, ZAKIYA
COX, WILLIAM
DEAN, DAVID I
DUNN, CHRIS
EVANS, BREANNA
FARRA, MARILYN
FAULKNER, JOSHUA
FAZEKAS, KENNETH R
FERNANDEZ, ALEJANDRO
FISK, TRACY
FRANKLIN, PAUL R
GARCIA, ANA
GILCHRIST, EDWIN
GORACKE, BETTY
GORE, ROMAINE M
GREENE, LISA
GREGOIRE, JENNIFER
HANSON, ALEXANDRA A
HARDMAN, CHRISTOPHER D
HISE, WENDY
INDONESIAN CUISINES
JANSSEN, TRAVIS
KELLY, JEFF L
KIM, NICK K
KING, VICTOR L
LANDRY, STEPHANIE
LEE, CHANG W
LEWIS, KIMBERLY A
LINDLEY, FLOYD
LUJAN, AARON R
MARUNO, CARRIE
MATHER, JOHN J
MATTHEWS, JOHN
MCCOMBS, JANE
MCNULTY, JAMES M
MENDOZA, ALBERT
MOE, BRITA
OATES, KAREN S
OLIVE, HENRY J
OSBORNE, ANNETTE K
PARK VILLA APARTMENTS
PEPPLER, ROBERT F
PETERSEN, KENNETH
PFAFF, RHONDA M
PHAM, HUNG
PINON, JOSHUA
POLANCO, ISABEL A
QIAN, ZHUMEI

KANSAS ST 2005 (Cont'd)

92	QUILLEN, JOSHUA
	RADZIK, ALBIN F
	RAMSEY, STEPHEN T
	REGAN, CHRISTINA R
	RICHARDS, CHARMAINE
	ROBLES, ROXANNE
	RODRIGUEZ, SERGIO
	ROGERS, KELLY M
	ROUGELY, BIANCA
	ROY, SERGIO
	RUIZ, DIANA
	SCHOENMANN, MATTHEW
	SHERIDAN, LEO
	SIERRA, ROBERT
	SIMON, ALEXANDER
	SPENCER, MARK
	STEINBERG, JAMES D
	STOERMANN, JASON
	SULLIVAN, ROBERT J
	TATE, CECILE Y
	THEISEN, G
	THOMAS, MANUEL M
	TIRELLA, GERALD
	TORRES, WILLIAM
	TURPIN, J
	ULLOA, DANIEL
	VENEGAS, RONALD
	WEBSTER, ROBERT
	WRIGHT, ANGIE A
	YGLESIAS, RUDOLPH O
	ZAVALA, STEVE
	ZENTENO, IVAN A
120	LOMELI, IGNACIO
130	VANGROUW, RONALD J
140	FERSUSON, EMERSON
141	ALLIANT CONSULTING
	CURRENT ENTERPRISES INC
	TIRE EXPRESS
	TIRE EXPRESS WAREHO
300	SPARTECH
301	RETTIG MACHINE INC
377	FLAMBEAU PRODUCTS CORP
400	CONCRETE PAVING CONTRACTORS
	OCCUPANT UNKNOWN,
451	DAVIDSONS ELECTRIC
	SECURITY ONE SERVICES
504	REDLANDS ANIMAL CONTROL
625	CRUZ, ROSA A
	REKLAI, PAUL
	STEEN, SHAMIKA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2005 (Cont'd)

625 WARREN, NEIL J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2000

4	LIN, HENRY
8	OCCUPANT UNKNOWN,
10	OCCUPANT UNKNOWN,
12	OCCUPANT UNKNOWN,
14	PAGDILAO, RUTH N
16	SMITH, ANTHONY
18	ALLEN, JOHN D
24	ROUSE, GUSSIE D
26	ORITO, J
28	OCCUPANT UNKNOWN,
30	OCCUPANT UNKNOWN,
32	OCCUPANT UNKNOWN,
34	OCCUPANT UNKNOWN,
36	OCCUPANT UNKNOWN,
38	OCCUPANT UNKNOWN,
40	BARE, IAN
42	KAMIRIN, BUPHY R
44	TOOMA, SAEED T
45	OCCUPANT UNKNOWN,
46	USTASZEWSKI, LARRY S
48	WALKER, C
50	GOMEZ, GINA
52	OCCUPANT UNKNOWN,
54	FLOWERS, J L
56	OCCUPANT UNKNOWN,
62	OCCUPANT UNKNOWN,
64	OCCUPANT UNKNOWN,
66	MIHALKOVITZ, KIRK P
68	OCAMPO, MARC R
70	OCCUPANT UNKNOWN,
72	KIM, TAE U
74	OCCUPANT UNKNOWN,
76	OCCUPANT UNKNOWN,
84	OCCUPANT UNKNOWN,
86	OCCUPANT UNKNOWN,
88	OSTRAND, RODNEY R
91	OCCUPANT UNKNOWN,
92	ALLEN, J L
	AMY, M O
	ATHERLEY, WAYNE A
	BALTHAZOR, ROBIN R
	BOGART, DANIEL
	BULLARD, DAWN
	CARROLL, SARAH A
	CASEY, JOHN P
	CHAN, L
	CLARK, PAUL
	COLACINO, ANNA R
	CROFT, MELISSA M
	CUMMINGS, DEBRA S

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 2000 (Cont'd)

92	DAVILA, MARTINA
	DEHOOG, BRETT
	DEREBERY, DANIEL P
	DRESNER, DAVID
	DUNKS, DEANNA M
	ESTIDJOKO, YANMARA
	FARRA, MARILYN
	FORBES, CHRIS
	FRANKLIN, PAUL R
	GARANT, P
	GARNER, FRANCES E
	HAMER, JALIE C
	HAMM, APRIL
	HOAG, LORI
	HOECHLIN, ELISE M
	HOSTERMAN, KAREN A
	JENNINGS, CORY
	KELLY, JEFF
	KELLY, JOE
	KIM, NICK K
	MALMBERG, WESLEY G
	MATHER, JOHN J
	MENDENHALL, HEIDI
	MORENO, DONNA
	MOUNT, DAVID W
	NORMAN, ALISHA
	OLEARY, AMY M
	OLGUIN, ERIC G
	PARK VILLA APARTMENTS
	PASILLAS, M T
	PATE, BRANDI
	POWELL, DAVID
	PRUETT, HOPE E
	RAMIREZ, MARK A
	REYES, PAMELA J
	SCHNEIDER, WILLIE F
	SILALAHI, RICHARD
	SOTELO, GENEVA L
	STEWART, M
	THARALDSON, CINDY
	WYMER, T E
110	AVILA, JESUS
120	BISHOP, ROBERT A
125	FIVE TEN
130	VANGROUW, RON
131	ADVANCED FREE WEIGHT SYSTEMS
140	OCCUPANT UNKNOWN,
300	ROYALITE PLASTICS
301	FOY JOHN R REAL ESTATE
	RETTIG MACHINE SHOP

KANSAS ST 2000 (Cont'd)

325	OCCUPANT UNKNOWN,
360	OCCUPANT UNKNOWN,
377	FLAMBEAU PRODUCTS CORP
400	CONCRETE PAVING CONTRACIORS INCORPORATED
	CONCRETE PAVING CONTRACTORS INCORPORATED
	WALLACE, DAVID
504	REDLANDS CITY OF ANIMAL SHELTER
625	BOGEL, CHERIE
	MILLER, WILBUR P
	NASSIR, SALAM
	SADEK, RAMI
	TSUNEO, BILLY
	WARREN, JOHN L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1995

2	SIMANJUNTAK, C
4	LANDER, JOE
6	OCCUPANT UNKNOWNN
8	REHMAN, SANDHYA S
10	STERL, CAROL
12	HUBBARD, MARY
14	OCCUPANT UNKNOWNN
18	OCCUPANT UNKNOWNN
20	BARRANCO, F
22	OCCUPANT UNKNOWNN
24	MARSHALL, LOIS
26	REHMAN, JAMES
28	OCCUPANT UNKNOWNN
30	COLE, TRACY
32	OCCUPANT UNKNOWNN
34	TOLLIVER, LAURA
36	OCCUPANT UNKNOWNN
38	KISSEL, HELEN W
40	OLAUGHLIN, MERRY
42	JAY, WILLIAM
44	OCCUPANT UNKNOWNN
46	IWASZEWSKI, PATTI
48	BICKHAM, GRANT
50	DESOUZA, MARIO A
52	OCCUPANT UNKNOWNN
54	OCCUPANT UNKNOWNN
56	OCCUPANT UNKNOWNN
62	RUDENICK, JERRI
64	KENNEDY, TOMMIE L
66	GOLDEN, DAN L
68	MIKOLA, DAVID
70	WYLIE, ROB
72	FUNK, GERALD
74	FISTER, PAM
76	OCCUPANT UNKNOWNN
82	OCCUPANT UNKNOWNN
84	CHENG, DENIS
86	OCCUPANT UNKNOWNN
88	SPEARS, JEFFREY
89	RIENKS, BERT
92	ACEBEDO, J
	ALVARADO, L
	BALDENEGRO, CYNDI
	BARRON, MONICA
	BERNING, LEROY
	BROWNIE, JOANN
	CABRAL, MARIE
	CALDWELL, MICHAEL
	CARVALHO, JOHN P
	CASAS, TONYA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1995 (Cont'd)

92	DRESNER, DAVID
	GARANT, K
	GLOVER, KEN
	HAAG, DAVID
	HANISCH, OLIVER
	HARRIS, JAMES
	HYATT, DEREK
	JONES, JEFFREY
	JORDAN, TERA
	KELLEY, CHRIS
	KNECHT, JOSHUA
	KODAMA, KAORU
	LARA, RACHEL
	LEONETTI, MIRJANA
	LITTLE, LAURA
	LLOYD, ERIC
	LONGKUTOY, JOTJE E
	MANTIK, JOHN
	MARTINEZ, KIM
	MILLER, KIM
	MILTON, P
	MOHAN, ANIL K
	MONTIJO, PERI D
	MORENO, ERIC
	MORRIS, JAMES P III
	NELSON, ERENST
	OROZCO, AMALIA
	PACHECO, M
	PALEY, TIM
	PARK VILLA APARTMENTS
	PARKS, SANJA
	RAVEN, RYAN
	REYES, WILLIAM
	RODDEY, RAYMOND
	RUMBLE, M
	SALAZAR, DAWN
	SHAY, RYAN
	SMITH, STEPHEN
	SONDAKH, DENNY
	STEMPLE, DUANE
	STIFF, DAWN
	TAKEUCHI, MASATO
	THORNTON, LISA
	TIRELLA, GERALD
	VALDEZ, N
	WHITCOMB, J
110	AVILA, JESS
120	BISHOP, ROBERT A
130	OCCUPANT UNKNOWNN
140	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1995 (Cont'd)

300	ROYALITE PLASTICS INC
301	RETTIG MACHINE SHOP
360	KIMM, ALEX
377	MODULAR CASEWORK SYSTEMS
380	OCCUPANT UNKNOWNN
400	WALLACE CONCRETE INC
	WALLACE, DAVID
504	REDLANDS ANIMAL SHELTER
625	ASC MOBILE DJ
	WARREN, JOHN L
10770	PERKISN, ROYCE I

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1992

4	MYERSCOUGH, DUANE
14	VILLASENOR, DONALD
38	KISSEL, HELEN W
42	GRAHAM, SHARON
54	FLOWERS, SHELLY A
62	RIDDLE, BRIAN
68	BAXTER, BEN
89	RIENKS, BERT
92	BAILEY, S
	CLARK, ROBERT
	CROCKENBERG, M
	CYBERTEK CMPTR SRVS
	GAO, PENG
	HERNANDEZ, CESAR
	INKS, SCOTT
	KAMITOMO, MASATO
	LEVEEN, LAURIE
	MILLER, MARK
	PARK VILLA APTS
	PATRICK, CODY
	PATTERSON, STEVE
	PETERS, KEVIN
	PREUSS, M
	ROCHA, ALEX
	ZALESKI, MARK
110	AVILA, JESS
120	BISHOP, ROBERT A
130	VANGROUW, RON
300	ROYALITE PLASTICS
301	FOY HELEN GARDNER
	RETTIG MACHINE SHOP
360	KIMM, ALEX
377	MODULAR CASEWORK
400	WALLACE CONCRETE
	WALLACE, DAVID
504	REDLNDS CTY ANIMAL
625	MORTON, RICHARD
922	YORK, TOM
6252	MILLER, WILBUR P
6255	GLINES, ELAINE
6256	WARREN, JOHN L
9211	DEMETRULIAS, DIANE
	DRESNER, DAVID
	MELLOCH, KURT
9214	ALLEN, JIM
9215	MCCARTHY, TIM
	SMOAK, CAREY
9216	MAHAFFEY, JENNIE
	RAY, DAWN
9217	GARANT, K

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

KANSAS ST 1992 (Cont'd)

9217	RICHARD, DONALD
9220	MARRIN, JOHN
9223	RONAGHLANGROODI, B
9225	DOMINGUEZ, MARIE
9226	ALTAFFER, KAMAREE
	TABAKMAN, TONYA
9227	CHOOLJIAN, CAROLYN
	MULDER, PHIL
9228	MURPHY, ERIN K

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

KANSAS ST 1985



KANSAS 92373 REDLANDS

2	BAKER CAROLYN M	793-9865	4
	OI KAREN	798-4328	+5
6	GENSEL C DOUGLAS	793-5146	4
8	SCHINDLER KURT	798-4679	+5
10	POVERELLI DIANE	792-0100	+5
12	XXXX	00	
18	LACEY BETTY	798-0238	3
20	XXXX	00	
22	XXXX	00	
30	XXXX	00	
32	DAVIS CERAL	793-7094	+5
34	STAPLES CARMEN M	798-3786	+5
36	XXXX	00	
38	KISSEL HELEN W	793-0986	2
42	XXXX	00	
44	BENNETT JACKIE W	793-8389	+5
46	XXXX	00	
48	XXXX	00	
50	CHIANG HSIN C	798-5466	+5
52	XXXX	00	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

KANSAS ST 1985

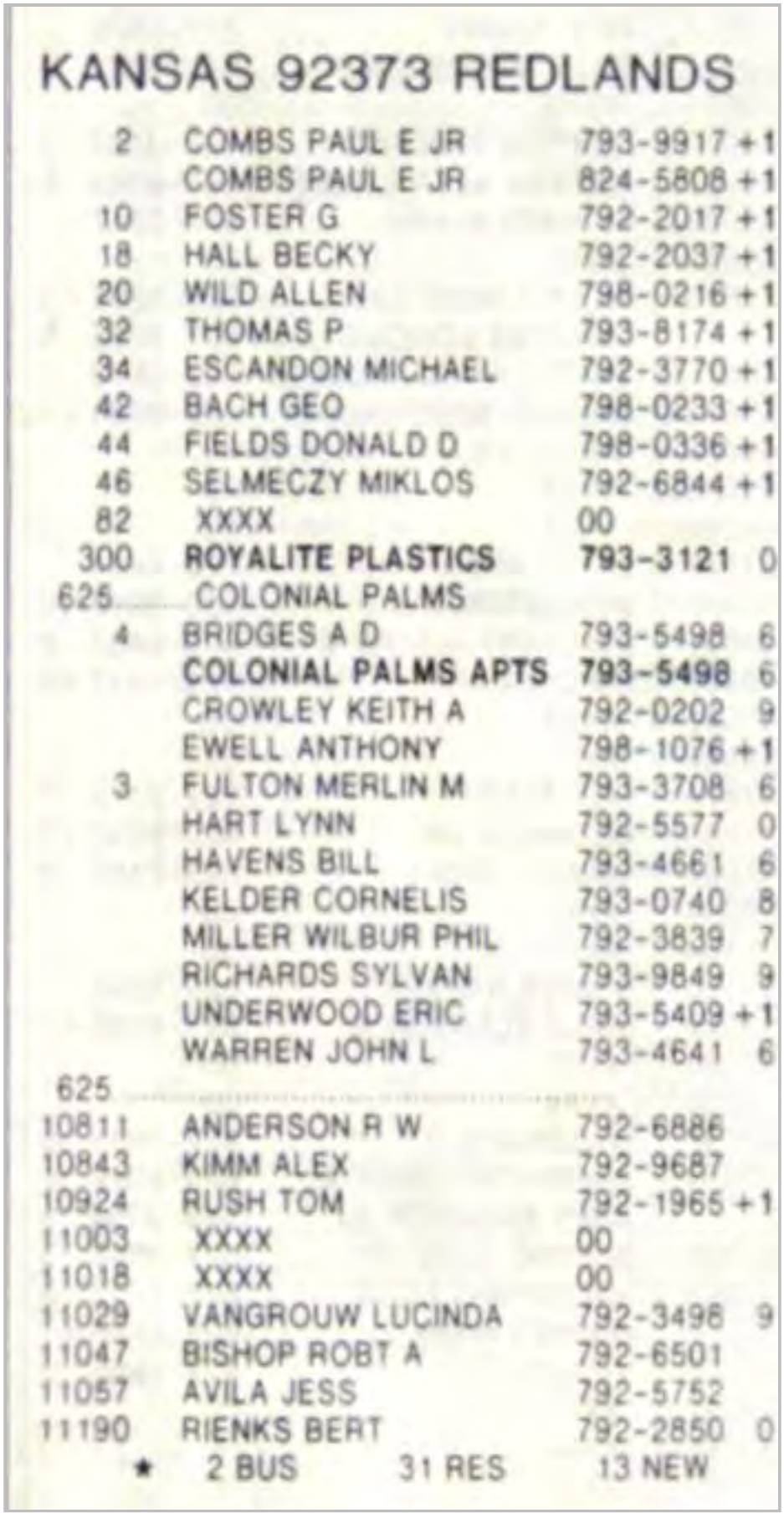
KANSAS 92373 CONT

54	XXXX	00	
56	XXXX	00	
66	MULKEY ROBT J	793-9781	+5
72	SIMMONS CHRISTOPHER	792-4615	+5
76	XXXX	00	
300	ROYALITE PLASTICS	793-3121	0
360	KIMM ALEX	792-9687	2
	KIMM ELIZABETH	798-1653	2
380	ANDERSON R W	792-6886	2
625	COLONIAL PALMS		
	CHAFFEE WM	798-5047	+5
3	FULTON MERLIN M	793-3708	6
	HART LYNN	792-5577	0
	HAVENS BILL	793-4661	6
	LOBER DAVID	798-1612	+5
	MILLER WILBUR PHIL	792-3839	7
	RICHARDS SYLVAN	793-9849	9
	SAVAGE WARREN R	798-0140	4
	WARREN JOHN L	793-4641	6
	WARREN NEIL	793-1523	+5
625			
11003	HEUVELHURST GERALD	798-4724	+5
11029	VANGROUW LUCINDA	792-3498	9
11047	BISHOP ROBT A	792-6501	
11057	AVILA JESS	792-5752	
11190	RIENKS BERT	792-2850	0
	RIENNKS BERT	798-5362	+5

• 1 BUS 44 RES 14 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

KANSAS ST 1981



KANSAS 92373 REDLANDS

2	COMBS PAUL E JR	793-9917	+1
	COMBS PAUL E JR	824-5808	+1
10	FOSTER G	792-2017	+1
18	HALL BECKY	792-2037	+1
20	WILD ALLEN	798-0216	+1
32	THOMAS P	793-8174	+1
34	ESCANDON MICHAEL	792-3770	+1
42	BACH GEO	798-0233	+1
44	FIELDS DONALD D	798-0336	+1
46	SELMECZY MIKLOS	792-6844	+1
82	XXXX	00	
300	**ROYALITE PLASTICS**	**793-3121**	0
625	COLONIAL PALMS		
4	BRIDGES A D	793-5498	6
	COLONIAL PALMS APTS	**793-5498**	6
	CROWLEY KEITH A	792-0202	9
	EWELL ANTHONY	798-1076	+1
3	FULTON MERLIN M	793-3708	6
	HART LYNN	792-5577	0
	HAVENS BILL	793-4661	6
	KELDER CORNELIS	793-0740	8
	MILLER WILBUR PHIL	792-3839	7
	RICHARDS SYLVAN	793-9849	9
	UNDERWOOD ERIC	793-5409	+1
	WARREN JOHN L	793-4641	6
625			
10811	ANDERSON R W	792-6886	
10843	KIMM ALEX	792-9687	
10924	RUSH TOM	792-1965	+1
11003	XXXX	00	
11018	XXXX	00	
11029	VANGROUW LUCINDA	792-3498	9
11047	BISHOP ROBT A	792-6501	
11057	AVILA JESS	792-5752	
11190	RIENKS BERT	792-2850	0

* 2 BUS 31 RES 13 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

KANSAS ST 1975



KANSAS 92373 REDLANDS

300*PAWNEE PLASTICS INC793-3121+5
475....COLONIAL PALMS
*COLONIAL PALMS APTS793-5498+5
FULTON MERLIN M 793-3708+5
HARDY DAN 792-4540+5
JONES MELANIE 793-1072+5
WARREN JOHN L 793-4641+5
475.....
10616 PHARE T CLYDE 792-6421
10795 CLARKE FREDRICK 792-5880 4
10811 ANDERSON R W 792-6886
10843 KIMM ALEX 792-9687
10924 XXXX 00
11003 KLIEZ DONALD 792-0739+5
11018 CRITCHFIELD HOWARD 792-1738+5
11029 HARBERTS JACOB 792-6570
11047 BISHOP ROBT A 792-6501
11057 AVILA JESS 792-5752
* 2 BUS 14 RES 8 NEW

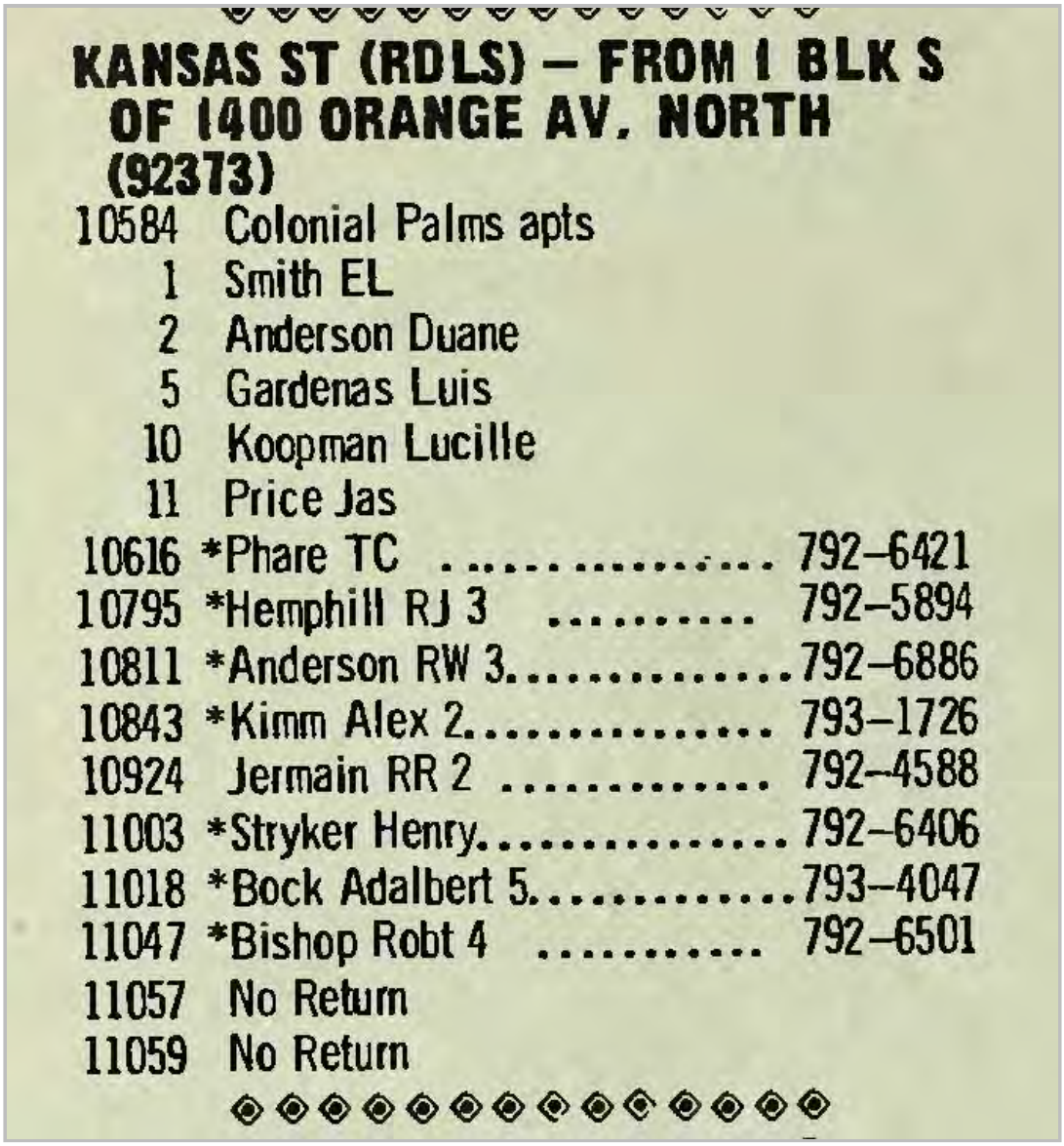
Target Street	Cross Street	Source
✓	-	General Telephone Co

KANSAS ST 1972

KANSAS	ST	92373
300	□GILL MOBILE HMS INC	793-2726
475	APARTMENT	
6*	BRANDENBERGER, WM.	792-9794
8*	BROWN, C A	792-5882
9*	+ STOCKHAM, JOHN	792-6681
12*	+ COLOMBI, ANTHONY	793-3077
10584	APARTMENT	
1*	MULLANY, JAS. L	792-0258
10616	PHARE, T CLYDE	792-6421
10795	+ CLARKE, FREDRICK	792-5880
10811	ANDERSON, CINDY	793-6981
10811	ANDERSON, R W	792-6886
10843	KIMM, ALEX	792-9687
11003	KEMPKEY, ED	792-8778
11018	BOCK, ADALBERT	793-4047
11029	HARBERTS, JACOB	792-6570
11047	BISHOP, ROBERT A	792-6501
11057	AVILA, JESS	792-5752

Target Street	Cross Street	Source
✓	-	Luskey City Directory

KANSAS ST 1965



KANSAS ST (RDLS) – FROM 1 BLK S OF 1400 ORANGE AV. NORTH (92373)

10584 Colonial Palms apts
1 Smith EL
2 Anderson Duane
5 Gardenas Luis
10 Koopman Lucille
11 Price Jas
10616 *Phare TC 792–6421
10795 *Hemphill RJ 3 792–5894
10811 *Anderson RW 3.....792–6886
10843 *Kimm Alex 2..... 793–1726
10924 Jermain RR 2 792–4588
11003 *Stryker Henry..... 792–6406
11018 *Bock Adalbert 5.....793–4047
11047 *Bishop Robt 4 792–6501
11057 No Return
11059 No Return

APPENDIX I

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

DERRICK S. WILLIS
PRINCIPAL II

Mr. Willis has over 28 years' experience serving both public sector and private clients in California and Canada on a wide variety of environmental projects. For the last several years, Mr. Willis' focus has been on formulating and facilitating closure and development strategies for large, complex, high profile, environmental projects for aerospace, industrial, and real estate development firms. Mr. Willis has extensive experience with due diligence/property transfer and development issues in a wide variety of industrial and regulatory settings. He is familiar with the industrial processes that generate environmental wastes, the fate and transport of chemicals in the environment, the potential adverse effects of these substances on human and ecological receptors, compliance challenges faced by business operators, the performance of remedial technologies, and how these issues play into site acquisition, development, and divestiture.

REPRESENTATIVE EXPERIENCE

Environmental Site Assessments

- ***RREEF, Multiple Sites, Southern California —*** Mr. Willis serves as client director for RREEF on multiple projects including acquisition studies (which include mold, asbestos and indoor air quality surveys), tenant audit programs, soil remediation, groundwater investigation and remediation, third party oversight, agency negotiation, and mold and asbestos abatement programs.
- ***Watson Land Company, Multiple Sites, Southern California —*** Mr. Willis has directed over 40 acquisition-related due diligence investigations for Watson Land Company (Watson). Scope of work has included Phase I ESAs, soil and groundwater investigations, risk evaluations, agency negotiation, and aiding Watson in evaluating and quantifying the potential risk associated with recognized environmental concerns.
- ***Various Clients, Various Locations, Southern California —*** Project manager for more than 200 Phase I environmental assessments (ESAs) for industrial facilities including aerospace, furniture and paper manufacturing factories; utility companies, vehicle and equipment maintenance facilities; and landfills as well former agricultural land. The objective of the ESAs was to evaluate and quantify potential liabilities associated with the acquisition and development of the properties.

Site Investigation and Remediation

- ***Kimco Realty Corporation, multiple locations in California and Nevada, –*** Serves Principal-in-Charge and program manager for investigation and remediation of several dry-cleaner sites in California (Cupertino, Daly City, Lakewood, and LaVerne) and Reno, Nevada. Projects range from investigation of soil impact to remediation of soil and groundwater. Mr. Willis is responsible for developing remedial strategies, negotiating with regulatory agencies, and providing technical direction to staff in order to evaluate and remediate site impacts, and bring sites to regulatory closure.

- ***Baker Cold Storage, Port of Long Beach Pier B Facility, California –*** Serves as project manager for investigation, remediation and redevelopment support of a 12-acre former wood treatment facility in the Port of Long Beach. The site is impacted with pentachlorophenol (PCP), metals, VOCs, and dioxins/furans. In addition, tidally influenced groundwater is impacted with PCP and petroleum hydrocarbons and methane charged from oilfield operations. Mr. Willis evaluated investigation data, managed a groundwater investigation program and develop a remedial approach for soil and groundwater. Mr. Willis successfully streamlined the regulatory process by aggregating the remedial work plans including RCRA closure of a drip pad, into one encompassing work plan (Soil and Groundwater Response Plan) and one Remedial Design Document ([RDD] that incorporated the facility design components into building mitigation design), and securing agency approvals on components of site construction concurrent with development of the RDD. Site is currently being developed with a 250,000 square-foot cold storage facility.
- ***RREEF, Villa Marina Marketplace, Marina Del Rey, California —*** Mr. Willis managed the design and installation of a groundwater treatment system to treat groundwater impacted from metals and selenium to meet NPDES discharge requirements for a basement dewatering system for a shopping center. He currently manages the operation, maintenance and reporting associated with the ongoing dewatering system.
- ***Black Mountain Industrial Complex Remedial Design and Implementation, Nevada –*** Served as project manager for expedited investigation and remediation program for the Tronox industrial facility within the BMI Complex. Previously the world's largest magnesium production facility during World War II, the site was later utilized for the manufacture of rocket fuel, other products, and most recently alkali and manganese oxide-based chemicals. Historical Industrial operations resulted in subsurface impacts from heavy metals, perchlorate, pesticides, chlorinated solvents, asbestos, radionuclides, and other chemicals. Developed streamlined investigation and remedial approach, prepared remedial plans, and rapidly mobilized and managed a team of staff and subcontractors to remove approximately 800,000 cubic yards of soil from the site to meet commercial soil cleanup goals for direct contact exposure in an expedited timeframe.
- ***Hawaii Wood Preserving Company Treatment Facility, Maui, Hawaii –*** Served as project manager, for decommissioning, investigation, remediation, and closure for a former wood treatment facility to allow for redevelopment. The site operated as from 1972 to 2001 to treat lumber with PCP, chromated copper arsenate (CCA), permithrin, and disodium octoborate. Chemicals were profiled, all equipment was decontaminated and ecommissioned, and verification sampling was conducted as part of decommissioning. A remedial investigation and remedial alternatives analysis was developed and implemented to investigate and develop a path-forward to closure. The implemented remedial approach consisted of site capping and long-term groundwater monitoring.
- ***Lockheed Martin Former International Light Metals Facility, Torrance, California —*** Served as project manager and principal investigator for a 67-acre aerospace facility where client objective was expedited redevelopment. The project included facility demolition, preparation and implementation of a Resource Conservation and Recovery Act (RCRA) closure plan for 11 permitted RCRA units, negotiations with the Department of Toxic Substance Control (DTSC), preparation of a RCRA Facility Assessment (RFA) (210 features identified that required intrusive investigation), implementation of a RCRA Facility Investigation (RFI) for soil and groundwater, preparation of a health-based risk assessment, and implementation of soil remediation. Site closure for soil was granted only three years after project initiation, in contrast to the normal six to eight year process, and has been used as an example by head DTSC officials as an example of

industry and the regulatory community working together to achieve expedited site closures for property redevelopment purposes. Mr. Willis also developed strategy for groundwater investigation and remediation and negotiated the corrective action consent agreement (CACA) with DTSC.

- ***Playa Capital Corporation, Playa Vista Development Project, Los Angeles, California —*** Mr. Willis served as program manager for the Playa Vista project, one of the largest and most visible brownfield development projects in the country. At 1,100 acres, it is the largest underway in Los Angeles County. His primary responsibility included environmental program management (including scoping, developing, scheduling, and tracking environmental activities for the development project), risk management (including developing and negotiating with agencies for appropriate cleanup criteria), remedial strategy/management (including development and implementation of pilot tests and oversight of investigation and remediation activities), agency/RP/buyer negotiations, consultant and contractor selection/oversight, coordination with Playa's infrastructure group on the development/implementation of integrated remedial approach where appropriate, litigation support, data management, and transactional support with respect to the sale of remediated parcels.
- ***Project Manager, Confidential Client, Buena Park, California —*** Served as project manager for multi-media remediation project at a commercial development in Buena Park, California. The site was a former food processing facility that was redeveloped into commercial offices and warehouse space. Evaluated the environmental liability for a Real Estate Investment Trust (REIT) that subsequently purchased the property, and managed remediation program in conjunction with site redevelopment.
- ***Project Manager, Brownfield Redevelopment, Torrance, California —*** Served as project manager for site redevelopment project for a PacTrust. Evaluated environmental liabilities associated with a 12-acre parcel that was part of a butadiene plant (Del Amo Superfund Site) left undeveloped as a brownfield, and formulated a strategy to expedite regulatory closure and redevelopment. A comprehensive investigation was completed on the parcel, and the report submitted to the Environmental Protection Agency (EPA) for review. Successfully negotiated with EPA to conduct a non-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) closure program. Conducted soil remediation program under EPA oversight in conjunction with site construction activities.
- ***Project Manager, Investigation and Remediation Program, Safety Kleen, Vancouver, British Columbia, Canada —*** Managed remediation of former solvent recycler transfer stations in British Columbia and Alberta, Canada. Sites involved characterization and remediation of soil and perched groundwater zones. Assessed feasibility of vapor extraction for cleanup of vadose zone contamination, and designed and installed a dewatering system for perched water in former tank cavities and surficial saturated zone for Vancouver transfer station. Achieved regulatory site closure two years faster than previous consultant's estimate.
- ***Cupples Manufacturing, Investigation and Remediation Program, La Mirada, California —*** Project manager for soil/groundwater characterization and remediation program at a truck maintenance facility in La Mirada, California. Conducted an underground storage tank and clarifier removal program in conjunction with site characterization activities. Implemented remediation of soil and groundwater impacted with petroleum hydrocarbons. Negotiated and received closure from Regional Water Quality Control Board (RWQCB).
- ***Alberta Environment, Abandoned Wood Treatment Sites, Various Locations, Alberta, Canada —*** Project manager for the Wood Preserving Sites Characterization Program for Alberta

Environment. Performed site characterization of four former wood preservation sites in Alberta, Canada. The sites had been used for many years for treating wood poles and railroad ties with a pentachlorophenol/diesel mixture. Soil and/or groundwater were impacted at the sites. Soil borings and groundwater monitoring wells were installed, and laboratory analysis of soil and groundwater was performed, to help determine the lateral and vertical migration of dissolved-phase hydrocarbons in the groundwater and dense non-aqueous phase liquids (DNAPLs) through glacial tills and several non-confining layers. Detailed drilling and sampling plans were necessary to ensure correct evaluation of vertical DNAPL migration. Aquifer tests were performed and receptor data were collected in order to formulate a quantitative assessment of both health-based and environmental risk.

- ***Texaco Refining and Marketing Inc., Investigation and Remediation Programs, Various Locations, Southern California —*** Responsible for remediation programs at several petroleum retail outlets for Texaco in the southern California area. Projects included soil and groundwater investigation programs, underground storage tank (UST) removals, remedial design (including design and implementation of vapor extraction and aquifer tests), implementation of remedial program, and operation and maintenance of remediation systems. This included designing, specifying, permitting, and installing of all equipment (including piping, downhole pumps, off-gas treatment, and water treatment).
- ***Groundwater Contamination Investigation and Analysis, Technisol, Raymond, Alberta, Canada —*** Conducted a groundwater investigation program at a solvent recycling facility located in southern Alberta, Canada. The program was implemented to determine the lateral and vertical extent of several species of chlorinated volatile organic compounds present in the confined aquifer beneath the facility. Aquifer testing was performed to estimate migration rates and to provide preliminary data for remedial action. Successfully negotiated with Alberta Environment (lead regulatory agency) for monitored natural attenuation approach.
- ***Pier A Railyard, Port of Los Angeles, Los Angeles, California —*** Managed a soil and groundwater investigation program at a Port of Los Angeles rail transfer yard. The objective of the project was to characterize previously identified polynuclear aromatic compounds, volatile organic compounds, and petroleum hydrocarbons in the soil and groundwater, and identify any regulated building materials in the site structures in order to facilitate an expedited redevelopment program. The project was finished ahead of schedule and under budget.
- ***Soil and Groundwater Remediation, Texaco, Various Locations, Southern California —*** Conducted vapor extraction tests, performed data analysis, and generated recommendations for an industrial manufacturing facility to determine the viability of using vapor extraction for remediating chlorinated solvents, primarily tetrachloroethene (PCE), present in the soil beneath the facility. Each test was designed to assess air flow rates and vacuums, vertical interference and crossflow, radii of influence, potential for water upwelling, and effectiveness of vapor extraction in both vadose and capillary zones. Extracted vapors were collected to determine volatile organic compound concentrations. Data were used to determine well spacing and slotting intervals, optimum flow rate/vacuum combinations, extraction blower sizing, and vapor treatment equipment.
- ***Texaco, Various Locations, Southern California—*** Responsible for preparation of South Coast Air Quality Management District (SCAQMD) permitting, installation, operation and maintenance of thermal and catalytic oxidizers/vapor extraction systems for the remediation of soil (containing petroleum hydrocarbons) beneath operating service stations.

Litigation Support

- ***Litigation Support, Confidential Client, City of Commerce, California –*** Conducted site review of historical records, developed and implemented soil, soil vapor, and groundwater investigation, and developed Site Conceptual Model (SCM) for former aerospace facility that was now developed as a multi-tenant warehouse. Successful in being able reconstruct historical SCM to show that environmental impacts were caused by historic aerospace operations from the 1940s to 1960s and not from the more recent tenant operations. Provided information and deposition for property management firm's counsel.
- ***Mediation Support, Confidential Client, Los Angeles, California –*** Project manager for mediation support of insurance claim for cost reimbursement for handling, transportation and disposal of petroleum contaminated soil encountered during development of a high rise on a former hospital site. Work consisted of using photogrammetry and historical records to develop a volume of contaminated soil and expert witness report using spatial data analysis, rebuttal of expert witness reports, and expert witness testimony as part of mediation where a judgement was made in favor of our client for the full reimbursement cost.

EDUCATION

B.S., Geology, University of Alberta, Alberta, 1988

PROFESSIONAL HISTORY

Northgate Environmental Management, Principal, 2006 to date
LFR Levine Fricke, Principal Hydrogeologist, 2002 – 2006
Integrated Environmental Services, Director of Operations/Senior Program Manager, 1999– 2002
ARCADIS Geraghty & Miller, Inc. Senior Hydrogeologist, 1993 – 1999
Environmental Design Corporation, Vice President, 1992
Environmental Science & Engineering, Inc., Staff Geologist, 1991
Terracon Geotechnique, Ltd., Geologist, 1989 – 1991
Contract Positions, Various Locations, Geologist, 1988

REGISTRATIONS

Certified Environmental Manager, Nevada, No. EM 2252

NICKY G. ROBINSON, PE, QSD, QSP
SENIOR I ENGINEER

Ms. Robinson is a Professional Engineer with a variety of experience serving both public sector and private clients. Her professional engineering and management experience has been focused in remediation design and construction site oversight, Phase I and II environmental site assessments, environmental field sampling, environmental audits, site inspections, and technical data review. Ms. Robinson's environmental field experience includes soil and groundwater sampling, soil vapor studies, stormwater sampling, indoor air quality studies, air monitoring activities, and site cleanups. She has considerable experience managing and performing environmental due diligence and property transfer projects. Ms. Robinson's project experience also includes management of Total Maximum Daily Loading (TMDL) studies in surface waters; collecting storm water samples to quantify "first-flush" impacts and composite samples for pollutant loading characterization; obtaining NPDES permits and managing the water sample collection and analysis process to ensure permit compliance. Ms. Robinson is a licensed Civil Engineer in the state of California. She is a California licensed Qualified SWPPP Developer and Qualified SWPPP Practitioner and has received the OSHA 40 Hour HAZWOPER Training.

REPRESENTATIVE EXPERIENCE

Environmental Characterization and Remediation

- ***Southern California Edison (SCE) Power Pole Relocation into Closed Landfill, Carson, California*** **–** Ms. Robinson was the project manager for the relocation of power poles and associated anchoring systems into a closed and capped landfill, which was under the regulatory oversight of the DTSC. Ms. Robinson was responsible for providing environmental and engineering direction to SCE to guide their design, construction, and monitoring activities related to operations at the landfill to obtain DTSC approval. She provided direct field oversight of a field investigation program to obtain environmental and geotechnical design data to direct the final power pole design, which included air monitoring for SCAQMD Rules 1150, 402, and 403. Ms. Robinson was responsible for communication and providing technical support to SCE on this project. She was also responsible for preparing technical documents and management to ensure the overall project success and quality.
- ***Baker Cold Storage Facility Brownfield Clean-up, Long Beach, California*** **–** Ms. Robinson is the engineer of record for the remedial design for a site that is impacted with pentachlorophenol (PCP), metals, VOCs, and dioxins/furans and under the regulation of the DTSC. She assisted with the development of the Soil and Groundwater Response Plan and the Remedial Design Document for the site that is currently being developed with a 250,000 square-foot cold storage facility. During development, Ms. Robinson conducted oversight of the site activities, including soil import/export, excavation, construction, and the installation of a methane barrier, and she has performed work zone and perimeter air monitoring. She also prepared daily activity reports including the analysis of air monitoring and Rule 1166 monitoring data to submit to the DTSC. Ms. Robinson coordinated field activities including the decontamination and sampling of former drip pads, air monitoring

activities, and wastewater sampling. She managed the data obtained from daily field activities and trained the field staff. Ms. Robinson prepare the Remedial Action Completion Report and the Operation and Maintenance Plan for the remedial activities.

- ***Black Mountain Industrial Complex, Henderson, Nevada –*** Ms. Robinson was a field engineer on site for the remediation of Tronox's industrial facility in Henderson, Nevada in which approximately 800,000 cubic yards of impacted soil were removed. Previously the world's largest magnesium production facility during World War II, the site was later utilized for the manufacture of rocket fuel, other products, and most recently alkali and manganese oxide-based chemicals. Historical Industrial operations resulted in subsurface impacts from heavy metals, perchlorate, pesticides, chlorinated solvents, asbestos, radionuclides, and other chemicals. Her responsibilities included providing technical oversight of excavation, construction, and groundwater pumping well installation activities; collecting groundwater samples; obtaining soil and air samples; monitoring dust levels; and conducting weekly site inspections for SWPPP compliance. Ms. Robinson coordinated with design engineers to oversee the installation of their remediation and monitoring systems and provide field support and input for design revisions.
- ***CenterCal Development, Long Beach, California –*** Ms. Robinson is the engineer of record for the remedial design of a property in Long Beach that was formerly partially occupied by a gasoline service station with documented leaking underground storage tanks (USTs) impacting the subsurface. Historic site operations also included oil wells and crude oil pipelines. Ms. Robinson assisted with the design of an excavation program to remove impacted materials to accommodate the development of a mixed-use commercial and residential facility. Her work included analyzed historic investigation results and analytical data to determine the remediation program and provide support for the engineering decisions to reach a settlement agreement with the responsible party for the contamination present at the Site. Ms. Robinson also assisted with the preparation of various documents and reports for the site including a Remedial Action Plan, remedial costing analysis, and responses to questions from regulators and the responsible party.
- ***Kimco Lakewood Plaza, Bellflower, California –*** Ms. Robinson conducted soil and indoor air sampling to help determine a remedial design for soil impacts with VOCs from a former dry cleaning operation. She oversaw excavation activities and collected confirmation samples. Ms. Robinson managed the data and documents associated with the project and assisted with the preparation of final reports.

Environmental Site Assessments, Due Diligence, and Site Investigations

- ***Baker Cold Storage Facility Brownfield Clean-up, Long Beach, California –*** Ms. Robinson prepared an initial Phase I ESA and conducted site visits for the site that is impacted with pentachlorophenol (PCP), metals, VOCs, and dioxins/furans and under the regulation of the DTSC. In addition, tidally influenced groundwater is impacted with PCP and petroleum hydrocarbons and methane charged from oilfield operations. She also conducted a groundwater investigation program to evaluate impacts for the design of the remedial actions and prepared reports documenting the field investigations for submittal to the DTSC.
- ***CenterCal Development, Long Beach, California –*** Ms. Robinson prepared an initial Phase I ESA, conducted site visits, coordinated a site investigation program with soil, groundwater, and soil vapor sampling, and prepared reports and documentation for a property in Long Beach that was

formerly partially occupied by a gasoline service station. The site was purchased by a developer to construct a mixed-use commercial and residential facility after remediating the known impacts that resulted from releases at the underground storage tanks associated with the gasoline station.

- ***Historic Oil Fields, Brea, California –*** Ms. Robinson conducted a Phase I ESA of historic oil fields spanning over 3,000 acres in Brea with operations still active across portions of the site. She coordinated a limited Phase II investigation across the site and utilized the results to prepare remedial cost documents, estimate of impacted material, and recommendations for areas of potential concern for redevelopment. She prepared all documentation, figures, and spreadsheets for meetings with developers interested in redeveloping the site.
- ***Park and Market Redevelopment, San Diego, California –*** Ms. Robinson managed and performed field activities, investigations, and oversight of the redevelopment of a property located in downtown San Diego that was formerly occupied by automobile repair facilities and several burn wells and pits associated with historic residential development. She conducted a Phase I and II ESA of the site which is currently being redeveloped with a high-rise residential tower over commercial development with subterranean parking extending to approximately 50 feet below ground surface. During excavation activities, impacted soils were encountered when former burn wells impacted with elevated concentrations of lead up to 60,000 parts per million. Ms. Robinson prepared a site-specific Health and Safety Plan and a Soil Management Plan for use during redevelopment. She also collected samples of impacted areas encountered, provided guidance to the developer regarding the disposal of the impacted material and proper handling procedures, and provided oversight of all work conducted with impacted materials. Ms. Robinson prepared summary reports of the field activities including analytical results, impacted soil removal totals, and photograph documentation of all activities.
- ***Monsanto Former Detergent Manufacturing Facility, Carson, California –*** Ms. Robinson measured groundwater levels and collected groundwater samples to monitor for hydrocarbons, predominantly benzene, which migrated through the soil to the groundwater beneath the site and migrated downgradient. Some samples were collected on the adjacent oil refinery property and Ms. Robinson received the appropriate training to access the refinery.
- ***Oxygen Biosparge Pilot Scale Investigation, Carson, California –*** Ms. Robinson collected groundwater samples using low flow sampling techniques as part of an oxygen biosparge in situ treatment system. Work was performed using supplied air in Level B personal protective equipment. She also routinely works in conjunction with a mobile laboratory to simultaneously collect and analyze soil vapor samples to monitor benzene concentrations as part of the pilot scale investigation.
- ***Los Angeles World Airports, Los Angeles International Airport, Los Angeles, California –*** Ms. Robinson reviewed historical reports, documents, and data for multiple portions of the Los Angeles International Airport and prepared summary documents. She also managed the review of similar work by other consultants for the facility. Ms. Robinson utilized the results of these investigation efforts to develop a facility wide groundwater monitoring program.
- ***Former Paint Facility, City of Commerce, California –*** Ms. Robinson was responsible for coordinating the field activities associated with collecting soil vapor and LNAPL samples for a former paint facility. A soil vapor extraction system was operated on the site and sampling was performed to develop a conceptual site model to assess the effectiveness of continued remediation

at the Site. Ms. Robinson was responsible for coordinating the sample collection and analysis with the laboratory and worked to draft the analytical report.

- ***Port of Oakland Embarcadero Cove, Oakland, California –*** Ms. Robinson was a staff engineer on site to oversee the abandonment of existing groundwater monitoring wells and the installation and development of new groundwater monitoring wells. Her responsibilities also included annual groundwater sampling at the site that is known to have been impacted by VOCs, SVOCs, organochlorine pesticides, PCBs, dioxins, and furans from facilities that previously occupied the site that were known to have handled and stored solvents, refined petroleum products, wood, preservatives, pesticides, and herbicides. She also assisted the preparation of the annual report and five-year review for the site.
- ***Former Apartment Complex Close-Out, Carson, California –*** Ms. Robinson was responsible for the oversight of environmental field activities related to the demolition of an existing apartment complex for redevelopment. Field activities included asbestos and lead-based paint surveys and removal, hazardous waste packaging and disposal, geophysical surveys, and air monitoring. Ms. Robinson also prepared close out reports and documents for the site.
- ***Former Dry-Cleaning Facility, Santa Rosa, California –*** Ms. Robinson performed low flow groundwater sampling for quarterly reporting for a site containing both a dry cleaner and a residential apartment building to monitor impacts to the groundwater. The site is known to have existing soil and groundwater impacts from historic use and storage of petroleum products and other hazardous substances on surrounding sites.
- ***Wetland Restoration Project, San Francisco, California –*** Ms. Robinson reviewed contractor submittals, including dust control, decontamination, soil stabilization, and execution plans for compliance with the project specifications and regulatory requirements and prepared responses to requests for information for the restoration of 26.5 acres of tidal wetland habitat. The site is known to have soil containing naturally occurring asbestos, copper, lead, nickel, zinc, TPH, PAHs, pesticides, and PCBs and some metals impacting groundwater.
- ***Environmental Site Assessments, Various Locations, California, Nevada, and Texas –*** Ms. Robinson has managed and conducted dozens of Phase I and Phase II environmental site assessments for commercial, industrial, and residential properties. Her responsibilities included complete site history reviews, identifying recognized environmental conditions and areas of potential concern, as well as field sampling and analysis to investigate potential impacts to soil and groundwater quality. Ms. Robinson assisted with the design of investigation programs, coordinated with field staff and subcontractors, and analyzed results to determine remedial actions. She also managed budgets, schedules, and client communication. Work was performed in general conformance with the ASTM environmental assessment standard and the U.S. EPA *All Appropriate Inquiry* guidelines. She has also conducted and completed preliminary endangerment assessments and obtained necessary permits for construction (NPDES, Rule 1166, etc.) on behalf of the developer to support the redevelopment activities.

Stormwater Monitoring and Compliance

- ***Machado Lake Nutrient TMDL Sampling, Torrance, California –*** Ms. Robinson manages the stormwater monitoring, sampling, and reporting for the City of Torrance in accordance with the provisions of the Machado Lake TMDL Special Studies Work Plan and the Machado Lake

Eutrophic, Algae, Ammonia, and Odors (Nutrient) TMDL (established by the Los Angeles Regional Water Quality Control Board) to monitor nutrients, including nitrogen and phosphorous discharged from the City of Torrance to Machado Lake. She coordinates routine sampling activities and has been a field lead for activities that include rapid mobilization during wet weather and dry weather events on a monthly basis since 2012 and data collection from data loggers to calculate flow rate and discharge volume and to monitor storm events. Ms. Robinson is also responsible for maintaining a network of flow sensors in subsurface conveyances and storm drains to quantify hydrology of the storm drain system and determine mass-based discharge compliance. She maintains discharge flow and volume calculations for annual reporting and prepares the annual report document. Ms. Robinson is also responsible for communicating with the City of Torrance, maintaining the scheduling, and ensuring the project stays within budget.

- ***Walteria Lake Monitoring Program for Nutrients and Toxics, Torrance, California –*** Ms. Robinson manages a monitoring program for discharge from Walteria Lake in accordance with the Walteria Lake Monitoring Program Nutrients and Toxics Study Work Plan developed by the Los Angeles County Flood Control District. She coordinates with the City of Torrance to conduct field sampling activities during pumping events that discharge from Walteria Lake. Ms. Robinson also maintains and analyzes the analytical and flow data from the stormwater and dry weather flow in relation to the applicable nutrients and toxics TMDL waste load allocations to determine if the lake contributes or removes pollutant loading from the flow. She also maintains communication with the City of Torrance and manages the budget and reporting for the project.
- ***Stormwater Basins Enhancement Project Monitoring and Reporting, Torrance, California –*** Ms. Robinson manages a project for the City of Torrance that includes stormwater sampling and flow measurements at various locations within three stormwater basins. The work is conducted in accordance with a plan approved by the Los Angeles Regional Water Quality Control Board. Ms. Robinson manages communication with the client, field sampling events, the schedule, and the project budget.
- ***Nutrient TMDL Sampling, Peter Weber Equestrian Center, Rolling Hills Estates, California –*** Ms. Robinson manages a project involving the collection of stormwater samples and flow measurements to monitor nutrients, including nitrogen and phosphorous at an active equestrian facility in Rolling Hills Estates following facility upgrades designed to reduce surface water impacts.
- ***Machado Lake Nutrient TMDL Sampling, Rolling Hills Estates, California –*** Ms. Robinson was the field lead for the collection of stormwater samples and flow measurements in accordance with the Palos Verdes Peninsula Coordinated Monitoring Plan and the Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrient) TMDL (established by the Los Angeles Regional Water Quality Control Board) to monitor nutrients, including nitrogen and phosphorous discharged from Rolling Hills Estates to Machado Lake. Sampling activities included rapid mobilization during wet weather and dry weather events on a monthly basis between 2012 and 2016 to collect samples from surface waters and confined conveyance systems. She calculated monthly averages of total nitrogen and total phosphorous and compared the results to waste load allocations to determine attainment status.
- ***Anthropogenic Source Nutrient Assessment, Rolling Hills Estates, California –*** Ms. Robinson was a field lead for wet weather event stormwater sampling conducted for identification of nutrient

sources to study nutrient load reduction at the Model Equestrian Center Project, Rolling Hills Estates, California.

Engineering Design

- ***Baker Cold Storage Facility Brownfield Clean-up, Long Beach, California –*** Ms. Robinson is the engineer of record for the remedial design for a site that is impacted with pentachlorophenol (PCP), metals, VOCs, and dioxins/furans and under the regulation of the DTSC. She assisted with the development of the Soil and Groundwater Response Plan and the Remedial Design Document for the site that is currently being developed with a 250,000 square-foot cold storage facility. The remedial design included a passive vapor mitigation system with a site cap. Ms. Robinson prepare the Remedial Action Completion Report and the Operation and Maintenance Plan for the remedial activities.
- ***Power Pole Relocation into Closed and Capped Landfill, Carson, California –*** Ms. Robinson managed the environmental component of a power pole relocation project that required removing two power poles and installing two new power poles with associated anchors and wires into a closed and capped landfill under the regulatory oversight of the DTSC. She worked with the client to develop an exploratory boring program on the landfill to guide the overall design, obtain necessary permits include a Rule 1150 permit from the AQMD, develop soil handling and monitoring procedures, prepare a work plan for DTSC approval, and oversaw the environmental monitoring during all excavation, power pole placement, backfilling, and landfill cap restoration procedures. Ms. Robinson coordinated with various entities including the DTSC, the client, the landowner, the site occupant, the engineer of record for the landfill, and the AQMD for the various components of this project. She prepared all documentation including work plans for the exploratory program and the power pole installation, health and safety plans, and completion reports.
- ***Vapor Barrier System Design for Duplex Development, Los Angeles, California –*** Ms. Robinson was one of the engineers responsible for the design of a vapor barrier system to prevent intrusion of VOCs in soil vapor into the development of several residential duplexes. Her work included working with a Principle Engineer to design the system and details and prepare the design drawings. Ms. Robinson also prepared inspections and oversight of the installation of the system.

Regulatory Compliance

- ***National Pollutant Discharge Elimination System Monitoring, Marina del Rey, California –*** Ms. Robinson coordinates field activities associated with water quality sampling and analysis, flow data collection and analysis, and system operation and maintenance for a groundwater treatment system for VOCs, selenium, and metals prior to discharge to the storm drain. Her responsibilities also include preparing quarterly and annual monitoring reports for the Regional Water Quality Control Board per requirements in the monitoring and reporting program of the NPDES permit for the project. She currently manages the testing, maintenance, and reporting associated with the ongoing dewatering system.
- ***Environmental Audits, Various Locations, California –*** Ms. Robinson has performed and managed multiple environmental audits at several commercial and industrial facilities in California.

Her responsibilities included conducting interviews with current tenants, inspecting site facilities to determine environmental compliance or potential issues, and completing a final audit report of findings. She also managed budgets, schedules, and client communication.

EDUCATION

B.S., Civil and Environmental Engineering, University of California, Los Angeles, 2009

PROFESSIONAL HISTORY

Northgate Environmental Management, Inc., Project Engineer, January 2015 to date
Northgate Environmental Management, Inc., Staff Engineer, August 2010 to January 2015
Incledon Consulting Group, Civil Engineer, July 2009 to July 2010
Incledon Kirk Engineers, Engineering Intern, June to September 2007 and June to September 2008

REGISTRATIONS / CERTIFICATIONS

Professional Engineer, California, No. 83985
Qualified SWPPP Developer (QSD) and Practitioner (QSP), No. 27442
OSHA 40-hour HAZWOPER

PRESENTATIONS

Brown, D., Dettle, J., and Robinson (Galloway), N., 2016. *Update on City of Torrance Stormwater Quality Project*, presentation, poster, and proceedings for the California Stormwater Quality Association's 12th Annual Conference on Stormwater Evolution: Source to Resource, San Diego, California. September 12-14, 2016.

Robinson, N., and Willis, D. 2018. *Minimizing Environmental Exposure by Incorporating Redevelopment Design in Remediation of Former Wood Treatment Facility*, poster and proceedings for the Association for Environmental, Health and Sciences Foundation's Annual West Coast Conference. March 19-22, 2018.

LOR GEOTECHNICAL GROUP, INC.
Soil Engineering ▲ Geology ▲ Environmental

January 21, 2020

NYS New, LLC Project No. 13586.2
380 New York Street
Redlands, California 92373

Attention: Ms. Veronica Burgess

Subject: Phase I and II Environmental Site Assessment
Former La-Z-Boy West Facility
301 Tennessee Street
APN 0292-192-11
Redlands, San Bernardino County, California

Attached herewith is the Phase I and II Environmental Site Assessment (ESA) conducted by this firm for the above-referenced, former La-Z-Boy facility in Redlands, California.

This assessment was planned and executed based upon a scope of services generally outlined in our Proposal to Perform Phase I and II ESA, dated October 3, 2019, and other written and verbal communication.

We appreciate the opportunity to provide this environmental assessment for the subject site. If you have any questions or comments regarding this assessment, please do not hesitate to contact this firm at your convenience.

LOR Geotechnical Group, Inc.

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EXECUTIVE SUMMARY

This firm conducted a Phase I Environmental Site Assessment (ESA) for the former La-Z-Boy West Facility, Assessor's Parcel Number (APN) 0292-192-11, located at 301 Tennessee Street in Redlands, California. This Phase I ESA was conducted in conformance with American Society for Testing and Materials (ASTM) E1527-13 and All Appropriate Inquiries (AAI) set forth in 40 CFR (Code of Federal Regulations) part 312. Concurrent with this, a Phase II ESA was also performed in conformance ASTM E1903-11.

The subject site had agricultural, residential, and/or industrial usage dating back to at least 1930. Past agricultural usage from at least 1930 until the mid 1960s was a grove, among which was a residence and garage. The present day manufacturing facility, recently vacated by La-Z-Boy, has three buildings which were designated as "Buildings 1, 2, and 3" for the purposes of this Phase I ESA. The original portion of Building 1 (main manufacturing building) and Building 3 (smallest onsite building), a total of 72,000 square feet, were permitted in 1965 to 1966. In 1969, Building 2, 12,000 square feet, was permitted, along with an addition of 28,000 square feet to Building 1. Another addition to Building 1 of 43,600 square feet was permitted in 1972. An addition of unspecified size, likely the approximate 21,000 square foot south end of Building 1, was permitted in 1986. The last addition to Building 1, 9,225 square feet, was permitted in 1991. The subject site remains vacated in preparation for planned commercial use.

Based on the age of the onsite buildings, lead-based paint (LBP) and/or asbestos-containing materials (ACM) may be present. As the onsite buildings will remain, no demolition is planned. However, modification of or addition to the onsite buildings will likely require a LBP and ACM survey to identify any affected building materials. The LBP and ACM survey should be conducted in accordance with the regulatory agencies having jurisdiction.

Numerous containers up to approximately 300 gallons with hazardous materials or hazardous wastes were present onsite. The hazardous materials and wastes included glues/adhesives, diesel fuel (red-dyed), waste oil, paint, mineral spirits, lithium grease, concrete sealer, wax emulsion, latex rubber wax, neutralizing acid absorber, degreasers (non-chlorinated), polyurethane additive (release agent), epoxy, wood stain, floor tile adhesive, asphalt crack filler, chemical cleaner, and urethane. All of the observed containers of hazardous materials and wastes were transported offsite, apparently by Safety Kleen.

Past environmental site assessment reports prepared for the subject site were provided by the client. The reports include two prepared by RMT, Inc. (RMT), Limited Subsurface Investigation, dated November 29, 1994, and Results of the Subsurface Investigation, dated March 1995. The subsurface investigations by RMT in 1994 and 1995 were performed to determine whether the soil in the vicinity of the former fire suppression water overflow collection trap (seepage pit) had been impacted by past operations conducted at the onsite facility. These investigations included soil sample collection from seven soil borings (SB-1 through SB-7) to maximum exploration depths ranging from approximately 30 to 50 feet bgs. Soil samples were collected at 5-foot intervals with select ranges of soil samples analyzed within the depth range of 10 to 30 feet bgs. The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), diesel fuel (TPH-D), and motor oil (TPH-MO), and VOCs. Reportable concentrations of TPH-MO were reported in two 15-foot soil samples at concentrations of 93 to 100 mg/kg. Reportable concentrations of VOCs included total xylenes up to 0.007 mg/kg, 1,1,1-TCA up to 0.74 mg/kg, 1,1,2-trichloroethane (1,1,2-TCA) up to 0.007 mg/kg, TCE up to 0.10 mg/kg, 1,1-DCA up to 0.093 mg/kg, 1,2-dichloroethane (1,2-DCA) up to 0.008 mg/kg, 1,1-DCE up to 0.064 mg/kg, cis-1,2-DCE up to 0.045 mg/kg, and methylene chloride up to 0.008 mg/kg. The soil samples with the most VOC compounds and generally the highest were collected at soil boring SB-2, located north of the former collection trap, reportedly within 5 feet. RMT evaluated the leaching potential of TPH and hydrocarbon VOCs to groundwater and performed a health risk/hazard assessment. RMT estimated the combined health risks (cancer) and hazard quotients were less than 1 in a million (10^{-6}) and 1, respectively. RMT concluded the VOC- and TPH-impacted soils onsite posed little or no health risk/hazard or potential of adversely impacting groundwater quality.

Records reviewed at the County of San Bernardino Fire Department, Hazardous Materials Division (CSBFD-HMD) for the subject site indicated that from 1984 to August 2015, the subject site was permitted for handling hazardous materials, hazardous waste generation, limited hazardous waste generation, conditionally exempt small quantity hazardous waste generation, and/or as an EPCRA (Emergency Planning and Community Right-to-Know Act) facility. More recent permit records were not available. Business Plans from 1987 to 2014 included inventories of hazardous materials and wastes, including hydraulic fluid (and waste), CalFoam-Bond 100 (natural latex compound), AW-60 wax (wax emulsion), adhesives, synthetic resin, lead-acid batteries, sulfuric acid, heavy duty degreaser (butoxyethanol, sodium hydroxide, and sodium metasilicate), diesel, aerosols (universal waste), waste empty containers, waste non-hazardous liquid, and propane. County permit application documentation from 1993 lists 1,1,1-trichloroethane (1,1,1-TCA) and oil wastes, and hazardous materials, including 1,1,1-TCA, oil, and finish material. County permit

application documentation from 1986 lists boiler cleaner waste, cleaning solvents, degreasing waste, latex waste, and alkaline cleaner. The September 14, 1994 inspection report indicates many materials used onsite were changed from solvent-based (including 1,1,1-TCA) to water-based. The April 23, 1996 inspection report indicates onsite hazardous waste streams had been reduced to waste oil only. The April 21, 2008 inspection report indicates the only hazardous waste generated was waste oil from sewing machines. The January 5, 2012 inspection report for the November 28, 2011 inspection indicates hazardous waste was no longer being generated onsite.

The online California Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS) hazardous waste manifest records for the subject site are listed under two California Environmental Protection Agency (EPA) ID profiles, one for La-Z-Boy and the other for Hahan Contractors. The California hazardous waste manifest data is from 1994 to 2015, and documents asbestos-containing waste, other inorganic solid waste, off-specification, aged or surplus organics, other organic solids, and liquids with halogenated organic compounds $\geq$1,000 milligrams per liter (mg/L).

Online South Coast Air Quality Management District (SCAQMD) records for the subject site includes multiple permits for spray equipment ("spray equipment open" and "spray booth paint and solvent"). Also included are a drying oven, dip tank coating paint, paints drying, and degreaser methylene chloride. Permits for the listed equipment was issued from 1978 to 1991. There have been no reported Notice of Violation (NOV), but a handful of Notices to Comply (NTC) have been reported. The NTC occurred from April 2008 to May 2019, and are all shown as being in compliance. The reported NTC involved posting permits, providing material safety data sheets (MSDS) and volatile organic compound (VOC) content of glue sprayed and wax MSDS, maintaining records, submitting compliance forms and fees, and operating equipment according to the conditions specified in the permit to operate. Records obtained directly from the SCAQMD provided digital records for the subject site. These records include permits for similar equipment as indicated above, dated in the time period from 1978 to 1991. Some of the spray equipment permits made reference to stain, glue, and lacquer. One of the two permits for degreasers from 1984 specified only 1,1,1-TCA, trichlorotrifluoroethane, methylene chloride, or a combination of these solvents was to be used as a cleaning solvent in the degreasing equipment. One of the permitted pieces of equipment, permitted in 1989, was an electrodeposition line that included a dip tank. The 1988 permit application for this equipment listed "Ransplate - Electro Deposition Plating", with the word "plating" crossed out and "painting" written next to it.

Based on the past historical onsite uses dating back to at least 1930, including agricultural grove and industrial use (furniture manufacturing), a Phase II ESA was performed. Thirty-four (34) soil vapor probe locations (SVP-1 through SVP-34), with 3- to 5-foot probes, were placed at current and past onsite features to assess potentially impacted subsurface soil vapor. Coincident with three of these locations (SVP-2 through SVP-4), soil samples (SS-2 through SS-4) were collected at multiple depths to assess potentially impacted subsurface soils along a former railroad spur track and/or fill materials along the south side of the original portion of Building 1 to a maximum depth of approximately 4 feet below ground surface (bgs). Three soil samples (SS-5 through SS-7) were collected at 1- to 1.5-foot depths to evaluate potential impacts from the offsite main railroad line within West State Street. Four soil samples (SS-8 through S-11) were collected at approximate 1-foot depths to evaluate potential pesticide impacts from past agricultural activities.

The 1- and 3.5-foot soil samples collected at SS-2 through SS-4 had no reportable concentrations of extractable oil- and diesel-range (fuel screen) hydrocarbons (TPH-FS) and semi-volatile organic compounds (SVOCs). Concentrations of the organochlorine pesticides (OCPs) dieldrin and DDT (4,4'-dichlorodiphenyltrichloroethane) were reported up to 0.0050 milligrams per kilogram (mg/kg) and 0.0061 mg/kg, respectively. The 1.5- and 4-foot soil samples collected at SS-2 through SS-4 had reportable concentrations of heavy metals (total), including arsenic up to 8.87 mg/kg, barium up to 54.6 mg/kg, chromium up to 70.7 mg/kg, cobalt up to 7.98 mg/kg, copper up to 21.3 mg/kg, lead up to 12.6 mg/kg, nickel up to 29.9 mg/kg, vanadium up to 34.6 mg/kg, and zinc up to 937 mg/kg. The 1- to 1.5-foot soil samples collected at SS-5 through SS-7 had no reportable concentrations of TPH-FS and SVOCs. Reportable concentrations of heavy metals (total) include arsenic up to 2.26 mg/kg, barium up to 51.9 mg/kg, chromium up to 15.0 mg/kg, cobalt up to 6.69 mg/kg, copper up to 14.6 mg/kg, lead up to 7.30 mg/kg, nickel up to 9.64 mg/kg, vanadium up to 31.1 mg/kg, and zinc up to 52.7 mg/kg. The 1-foot soil samples collected at SS-8 through SS-11 had reportable concentrations of the OCPs chlordane up to 0.022 mg/kg, DDE (4,4'-dichlorodiphenyldichloroethene) up to 0.0098 mg/kg, dieldrin up to 0.0043 mg/kg, and heptachlor epoxide up to 0.0050 mg/kg. Concentrations of total arsenic were reported up to 1.87 mg/kg. However, soil samples SS-10 and SS-11 were reported as non-detect for arsenic at laboratory reporting limits ranging from 4.98 to 5.03 mg/kg. These elevated reporting limits were due to sample matrix effects on the laboratory internal standard requiring sample dilution. As arsenic often exceeds the regulatory soil screening levels, local background concentrations are used to evaluate potential soil impacts. The elevated laboratory reporting limits for arsenic, around 5 mg/kg, are higher than the expected local background range under 4 mg/kg. All of the reported concentrations of OCPs are less than the California DTSC soil screening levels for

residential and commercial/industrial soils (DTSC, 2019a). The reported concentrations of California Title 22 heavy metals (total) are generally less than the California DTSC soil screening levels for residential and commercial/industrial soils or within the expected background ranges, with the exception being a reported concentration of arsenic at 8.87 mg/kg in the 1.5-foot sample at SS-3.

Twelve (SVP-1 through SVP-12) of the thirty-four (34) soil vapor probe locations were non-detect for total petroleum hydrocarbons as gasoline (TPH-G) and VOCs. The remaining twenty-two (SVP-13 through SVP-34) soil vapor probe locations had concentrations of multiple chlorinated VOCs reported, including chloroform up to 0.22 micrograms per liter (µg/L), cis-1,2-dichloroethene (cis-1,2-DCE) up to 1.65 µg/L, 1,1-dichloroethane (1,1-DCA) up to 58.71 µg/L, 1,1-dichloroethene (1,1-DCE) up to 22.54 µg/L, tetrachloroethene (PCE) up to 1.51 µg/L, 1,1,1-trichloroethane (1,1,1-TCA) up to 1,054.42 µg/L, and trichloroethene (TCE) up to 37.33 µg/L. The soil vapor probe locations in Buildings 1 and 2 generally were reported with only PCE and TCE, with multiple VOCs reported at the soil vapor probe locations at and near Building 3. The highest reported concentrations of VOCs were at soil vapor probe SVP-20, located at the estimated location of the former subsurface collection trap for fire suppression water.

Due to the onsite soil vapor concentrations reported above, the client had air sampling performed. Citadel Environmental Health and Safety Consultants (CEHSC) collected eleven onsite air samples, including one outdoor air sample (SC1) and ten indoor air samples (SC2 through SC11). Two of the indoor air samples (SC2 and SC3) were collected in onsite Building 2 and the remaining eight indoor air samples (SC4 through SC11) were collected in onsite Building 1. The outdoor air sample had reportable concentrations of ethanol at 7.6 micrograms per cubic meter (µg/m^3), benzene at 0.47 µg/m^3, carbon tetrachloride at 0.63 µg/m^3, and naphthalene at 0.39 µg/m^3. The reported outdoor air concentrations of benzene and naphthalene exceed the DTSC screening levels for residential and commercial/industrial air (DTSC, 2019a). The reported outdoor air concentration of carbon tetrachloride falls between the DTSC screening levels for residential and commercial/industrial air. The two indoor air samples from Building 2 had reported concentrations of ethanol up to 6.7 µg/m^3, benzene up to 0.51 µg/m^3, carbon tetrachloride up to 0.65 µg/m^3, chloroform at 0.14 µg/m^3, naphthalene up to 0.37 µg/m^3, and TCE up to 0.17 µg/m^3. The reported concentrations of benzene and naphthalene in Building 2 air samples exceed the DTSC screening levels for residential and commercial/industrial air. The reported concentrations of carbon tetrachloride and chloroform in Building 2 air fall between the DTSC screening levels for residential and commercial/industrial air. The eight indoor air samples from Building 1 had reported

concentrations of ethanol up to 13 µg/m^3, trichlorofluoromethane (Freon 11) up to 24 µg/m^3, acetone up to 10 µg/m^3, 1,1,1-TCA up to 22 µg/m^3, benzene up to 0.65 µg/m^3, carbon tetrachloride up to 0.81 µg/m^3, chloroform up to 0.23 µg/m^3, 1,4-dichlorobenzene up to 0.17 µg/m^3, 1,2-DCA up to 0.14 µg/m^3, 1,2-dichloropropane up to 0.12 µg/m^3, naphthalene up to 0.42 µg/m^3, PCE up to 32 µg/m^3, TCE up to 4.0 µg/m^3, and 1,1-DCA up to 2.8 µg/m^3 (estimated value exceeding the laboratory calibration range). The reported concentrations of benzene, carbon tetrachloride, chloroform, 1,2,-DCA, naphthalene, PCE, TCE, and 1,1-DCA in Building 1 air samples exceed the DTSC screening levels for residential and/or commercial/industrial air.

There are numerous sites listed in environmental regulatory and proprietary databases within 1 mile of the subject site, including the subject site. Based on our research, Vapor Encroachment Screen (utilizing ASTM E2600-15), Phase II ESA findings, and indoor air sampling performed by Citadel Environmental Health and Safety Consultants, a vapor encroachment condition exists at the subject site.

This Phase I and II ESA has revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), or controlled recognized environmental conditions (CRECs) indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject site, except for the following:

- Past subsurface soil investigation by RMT in 1994 revealed concentrations of trace chlorinated VOCs within the upper 30 feet in the north central portion of the subject site near or in the general vicinity of a former collection trap (seepage pit) for fire suppression water. Based on the concentrations reported, the chlorinated VOCs are an HREC. However, the lateral and vertical extent of chlorinated VOCs was not assessed.

- Past manufacturing use of the subject site has involved the use of chlorinated solvents, including 1,1,1-TCA is a REC. The recently conducted Phase II ESA has identified the presence of impacted, shallow subsurface soil vapor within the central and north portions of the subject site. Recently conducted indoor air sampling indicated concentrations of VOCs exceeding DTSC screening levels for residential and/or commercial/industrial air.

- Soil sampling was conducted during the recent Phase II ESA to evaluate past agricultural grove and railroad track usage, including an onsite spur track. Elevated concentrations of some California Title 22 heavy metals (total) were reported, including arsenic, chromium, nickel, and zinc, is a REC.

However, these concentrations are generally less than the California DTSC soil screening levels for residential and commercial/industrial soils or within expected background ranges, with the exception being a reported concentration of arsenic at 8.87 mg/kg in the 1.5-foot sample at SS-3. This isolated concentration of arsenic is not anticipated to have a significant impact to the subject site.

The onsite, impacted subsurface soil and soil vapor by VOCs represents both responsible party liability for cleanup and health risk concerns. To determine the lateral and vertical extent of impacted soil and soil vapor, additional Phase II ESA would be needed. Depending on the extent of impacted soil and soil vapor and/or other impacted media, potentially including groundwater, regulatory agency oversight may be warranted. Based on the recent indoor air sampling analytical results, CEHSC, who performed the indoor air sampling, recommended that interim engineering controls for indoor air be implemented, including increasing ventilation rates and installing air scrubbers, while a more comprehensive remediation plan is developed. As a result of these recommendations to address the onsite impacts to subsurface soil vapor and indoor air, it is our understanding that the client has solicited proposals from CEHSC and other consultants to implement subsurface slab depressurization and/or soil vapor extraction through vertical wells to prevent vapor intrusion into the onsite buildings and possibly affect sufficient remediation to negate the future need to operate and maintain a vapor extraction system for subsurface slab depressurization. We recommend no occupation of the onsite buildings until sufficient control of indoor air has been established, including concentrations of VOCs less than DTSC screening levels for commercial/industrial (indoor) air.

INTRODUCTION

From October 2019 to January 2020, a Phase I and II ESA was conducted by this firm for the former La-Z-Boy West Facility, APN 0292-192-11, located at 301 Tennessee Street in Redlands, San Bernardino County, California. The subject site is a former chair and sofa manufacturing facility, with the operation currently in the process of moving offsite. The onsite facility includes three buildings, a larger, main building (“Building 1"), a smaller building in the northwest corner (“Building 2"), and the smallest building (“Building 3") in the north central portion. The subject site is planned for future commercial usage.

The Phase I ESA was conducted in conformance with the Standard Practice for Environmental Site Assessments: Phase I ESA Process, ASTM E1527-13, and AAI set forth in 40 CFR Part 312. The purpose was to identify RECs, HRECs, and/or CRECs that may be associated with the Site. A REC is defined as the presence or likely presence of any hazardous substance or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. A HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meets the unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (i.e., property use restrictions, activity and use limitations, institutional controls, or engineering controls, which would fall under a controlled recognized environmental condition or CREC). This does not include de minimis conditions, that generally, do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of the appropriate government agency. Conditions determined to be de minimis are not recognized environmental conditions or controlled recognized environmental conditions.

Concurrent with this Phase I ESA, a Phase II ESA was performed in conformance with the Standard Practice for Environmental Site Assessments: Phase II ESA Process, ASTM E1903-11. The purpose was to assess hazardous substances that may be associated with the RECs or HRECs identified within the concurrent Phase I ESA, and is effectively a screening assessment to determine if further Phase II ESA is warranted. The scope of this assessment has been performed with the concurrence of the client.

The approximate location of the site within its regional setting is presented on an Index Map (Figure 1).

The findings of our Phase I and II ESA, as well as our conclusions and recommendations, are presented in the following sections of this report.

NON-SCOPE CONSIDERATIONS

The following environmental issues are outside the scope of ASTM E1527-13 and 40 CFR Part 312:

- Lead in Drinking Water
- Lead-Based Paint
- Wetlands
- Methane
- Radon
- Cultural Land Historical Resources
- Industrial Hygiene
- Health and Safety
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- Mold and Mildew
- Asbestos-Containing Materials
- Mineral Resources
- Regulatory Compliance
- Natural Hazards
- High Voltage Power Lines

METHODOLOGY AND PROCEDURES

For the Phase I ESA, per ASTM E1527-13 and AAI, User provided information was reviewed, as available, and evaluated with respect to site history, usage, and environmental concerns.

A review of the physical setting of the subject site, including general geology and hydrogeology, was performed. This review, in part, provides information regarding the potential for groundwater to be contaminated and the potential pathways for contaminant transport.

Historical aerial photographs were examined to investigate the past use of the subject site and surrounding region. Other historical information, including Assessor's information, city directory information, and Sanborn Fire Insurance and topographic maps, were reviewed as available.

Person(s) knowledgeable about the subject site were interviewed, as available, to obtain any known information regarding site use(s) and potential environmental concerns.

Concurrent with our public and governmental agency interviews and literature research, a site reconnaissance of the property was conducted. The site reconnaissance was conducted in order to determine current uses of the site and the potential for soil and/or possible groundwater contamination based on aboveground visual observation.

During this Phase I ESA, public regulatory agencies, potentially including environmental, building, etc. were contacted directly or online research was conducted for information regarding permits, underground storage tanks (USTs), hazardous materials incidents, and general information about the subject site and surrounding area to ascertain the past uses with respect to environmental concerns.

Federal, state, local, tribal, and proprietary lists and databases were reviewed to ascertain the presence of known environmentally impaired sites on the subject site or within the immediate area, and to determine their impact, if any, to the subject site.

As part of the Phase I ESA, a Vapor Encroachment Screen was conducted to determine if a vapor encroachment condition exists, based on the information obtained during the Phase I ESA.

A Phase II ESA per ASTM E1903-11 involved subsurface soil and soil vapor sampling, and was conducted to assess whether past onsite grove and railroad track usage, and subsequent usage for chair and sofa manufacturing have impacted the subject site.

More details regarding the above methodology and procedures are described in other sections of this report.

USER PROVIDED INFORMATION

ASTM E1527-13 defines a User as the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A User may include, without limitation,

a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

Under ASTM E1527-13 and AAI, specific tasks are assigned to the User that will help identify the possibility of RECs in connection with the property. These tasks do not require the technical expertise of an environmental professional and are generally not performed by environmental professionals performing a Phase I ESA. The User may provide the information gathered from these tasks, including the following:

- Any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law;
- Any activity and land use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law;
- Specialized knowledge or experience (that is material to RECs in connection with the property) of the User related to the property or nearby properties (for example, is the User involved in the same line of business as the current or former occupants of the property or an adjoining property so that the User would have specialized knowledge of the chemicals and processes used by this type of business);
- Relationship of the purchase price to the fair market value of the property if it were not contaminated (reason for significantly lower purchase price, such as contamination is known or believed to be present at the property);
- Commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases (such as the past uses of the property, specific chemicals that are present or once were present at the property, spills or other chemical releases that have taken place at the property, and any environmental cleanups that have taken place at the property);
- Any obvious indicators that point to the presence or likely presence of contamination at the property, based on the knowledge and experience of the User related to the property; and
- Other information, including the reason why the Phase I ESA is required and/or is being performed, the type of property and type of property transaction (sale, purchase, exchange, etc.), the complete and correct address for the property, the scope of services desired for the Phase I ESA, identification of all parties who will

- rely on the Phase I ESA report, identification of the site contact and how the contact can be reached, any special terms and conditions which must be agreed upon by the environmental professional, and any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition).

A User Questionnaire was completed by a representative of the client (a User). The purchase price of the site is indicated to reflect fair market value. The information provided in the completed questionnaire does not directly indicate any RECs are associated with the subject site; however, the site is indicated to have historical use as a furniture manufacturing plant which represents a potential environmental concern. Past environmental site assessment is indicated to have occurred. Reports for this past environment site assessment are discussed below. The purpose for conducting this assessment is to satisfy the requirements of AAI. NYS New, LLC, the client, and NYS, LLC are identified as the parties who will rely on this report. A copy of the completed User Questionnaire is provided in Appendix A.

Historical plans and hand drawings of the La-Z-Boy West Facility, dating from the 1960s to the 2000s, were provided by the client. Past environmental site assessment reports prepared for the subject site and indoor air sample analytical results and associated hand drawn sample locations on aerial photograph image were also provided by the client. The reports include two prepared by RMT, Inc. (RMT), Limited Subsurface Investigation, dated November 29, 1994, and Results of the Subsurface Investigation, dated March 1995. The indoor air sampling analytical results and sample locations were provided in an email from the client on November 22, 2019.

The historical plans and hand drawings include the original plans for Building 1 and subsequent additions to the west, south, and north, as well as expansion of the office area along the central portion of the east side. Of note for Building 1 is the “Spray Room”, recently utilized as a maintenance shop, shown with a 36-inch concrete pit for degreaser in the southwest corner and “Ransburg”, likely spray paint-related equipment, along the west side. Adjacent to the north of the “Spray Room” was a “Finishing Room”, which included four paint booths and an oven. Adjacent to the north of the “Finishing Room” was a “Maintenance Crib” which was indicated to be a fenced area. Along the west wall, just south of the present day northwest corner, “Ransburg” is indicated, likely spray paint-related equipment. The 1987 addition along the south side of Building 1 resulted in the removal or building on top of the railroad spur track that had been approximately 15 to

16 feet south of the south building wall prior to the addition. The main railroad track within West State Street was approximately 17 feet south of the subject site. At the northwest corner of the present day Building 1, an aboveground propane tank is shown. Building 2 is largely shown with no labeling as to its purpose, but is labeled on at least one plan as “Foam Process”, including cutting. Building 3 is shown as being divided in half, as at the present day. The south half is been labeled with “Lacquer Storage”, “Lacquer Shed”, or “Finishing Room”. The north half is been labeled with “Compressor Room” or “Boiler Garage”. East-southeast of and near the southeast corner of Building 3, a 5-foot diameter, 20-foot deep leaching (seepage) pit was present, noted to have been filled in. Pipes connected to this pit, apparently from Buildings 1 and 3, were noted to be rerouted. The leaching pit coincides with the collection trap for fire suppression water, the subject of the subsurface investigations discussed below. A survey map of the agricultural grove that preceded the construction of the La-Z-Boy West Facility is shown with a garage (approximately 20 feet east-west by 15 feet north-south) along the east side of the grove, roughly 130 feet north of Citrus Avenue (present day West State Street).

The subsurface investigations by RMT in 1994 and 1995 were performed to determine whether the soil in the vicinity of the former fire suppression water overflow collection trap (seepage pit) had been impacted by past operations conducted at the onsite facility and to help develop closure strategies and remediation cost estimates. These investigations included soil sample collection from seven soil borings (SB-1 through SB-7) to maximum exploration depths ranging from approximately 30 to 50 feet bgs. Soil samples were collected at 5-foot intervals with select ranges of soil samples analyzed within the depth range of 10 to 30 feet bgs. The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), diesel fuel (TPH-D), and motor oil (TPH-MO), and VOCs. Reportable concentrations of TPH-MO were reported in two 15-foot soil samples at concentrations of 93 to 100 mg/kg. Reportable concentrations of VOCs included total xylenes up to 0.007 mg/kg, 1,1,1-TCA up to 0.74 mg/kg, 1,1,2-trichloroethane (1,1,2-TCA) up to 0.007 mg/kg, TCE up to 0.10 mg/kg, 1,1-DCA up to 0.093 mg/kg, 1,2-dichloroethane (1,2-DCA) up to 0.008 mg/kg, 1,1-DCE up to 0.064 mg/kg, cis-1,2-DCE up to 0.045 mg/kg, and methylene chloride up to 0.008 mg/kg. The soil samples with the most VOC compounds and generally the highest were collected at soil boring SB-2, located north of the former collection trap. The March 1995 RMT report indicates soil borings SB-1 and SB-2 were located within 5 feet of the former collection trap. However, Figure 1: Soil Boring Locations from this report shows these borings approximately 15 feet to the east and north, respectively, from the former collection trap. RMT evaluated the leaching potential of TPH and hydrocarbon VOCs to groundwater using the 1989 California State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) manual. RMT’s evaluation resulted

in TPH and hydrocarbon VOC (total xylenes) concentrations less than the allowable concentrations using LUFT guidelines. RMT performed a health risk/hazard assessment, and estimated the combined health risks (cancer) and hazard quotients were less than 1 in a million (10^{-6}) and 1, respectively. RMT concluded the VOC- and TPH-impacted soils onsite posed little or no health risk/hazard or potential of adversely impacting groundwater quality.

On November 19, 2019, Citadel Environmental Health and Safety Consultants (CEHSC) collected eleven onsite air samples in Summa® canisters, including one outdoor air sample (SC1) and ten indoor air samples (SC2 through SC11). Two of the indoor air samples (SC2 and SC3) were collected in onsite Building 2 and the remaining eight indoor air samples (SC4 through SC11) were collected in onsite Building 1. These air samples were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method TO-15 and TO-15 SIM. The outdoor air sample had reportable concentrations of ethanol at 7.6 micrograms per cubic meter (µg/m^3), benzene at 0.47 µg/m^3, carbon tetrachloride at 0.63 µg/m^3, and naphthalene at 0.39 µg/m^3. The reported outdoor air concentrations of benzene and naphthalene exceed the DTSC screening levels for residential and commercial/industrial air. The reported outdoor air concentration of carbon tetrachloride falls between the DTSC screening levels for residential and commercial/industrial air. The two indoor air samples from Building 2 had reported concentrations of ethanol up to 6.7 µg/m^3, benzene up to 0.51 µg/m^3, carbon tetrachloride up to 0.65 µg/m^3, chloroform at 0.14 µg/m^3, naphthalene up to 0.37 µg/m^3, and TCE up to 0.17 µg/m^3. The reported concentrations of benzene and naphthalene in Building 2 air samples exceed the DTSC screening levels for residential and commercial/industrial air. The reported concentrations of carbon tetrachloride and chloroform in Building 2 air fall between the DTSC screening levels for residential and commercial/industrial air. The reported concentrations of TCE in Building 2 air are less than the DTSC screening levels for residential and commercial/industrial air. The eight indoor air samples from Building 1 had reported concentrations of ethanol up to 13 µg/m^3, trichlorofluoromethane (Freon 11) up to 24 µg/m^3, acetone up to 10 µg/m^3, 1,1,1-TCA up to 22 µg/m^3, benzene up to 0.65 µg/m^3, carbon tetrachloride up to 0.81 µg/m^3, chloroform up to 0.23 µg/m^3, 1,4-dichlorobenzene up to 0.17 µg/m^3, 1,2-DCA up to 0.14 µg/m^3, 1,2-dichloropropane up to 0.12 µg/m^3, naphthalene up to 0.42 µg/m^3, PCE up to 32 µg/m^3, TCE up to 4.0 µg/m^3, and 1,1-DCA up to 2.8 µg/m^3 (estimated value exceeding the laboratory calibration range). The reported concentrations of benzene, carbon tetrachloride, chloroform, 1,2,-DCA, naphthalene, PCE, TCE, and 1,1-DCA in Building 1 air samples exceed the DTSC screening levels for residential and/or commercial/industrial air. The reported concentrations of Freon 11, acetone, 1,1,1-TCA, 1,4-dichlorobenzene, and 1,2-dichloropropane in Building 1 air are less than the DTSC screening levels for residential and commercial/industrial air.

Environmental Cleanup Liens and Activity and Use Limitations

Under AAI and ASTM E1527-13, a search for environmental cleanup liens and AULs must be conducted, typically by the User. The subject site, whose researched historical use has included agricultural grove, residential, and industrial usage (a chair and sofa manufacturer), did not appear in the state and/or federal liens, deed, or activity/use limitation databases in The Environmental Data Resources, Inc. (EDR) Radius Map™ Report with GeoCheck® (Appendix H), and the records on file with the CSBFD-HMD do not indicate there are any environmental cleanup liens or AULs associated with the subject site.

PHYSICAL SETTING

Topography

The subject site is situated at ground surface elevations ranging from approximately 1,259 to 1,269 feet above mean sea level (amsl). The topography of the subject site is generally planar with an overall gentle fall in a westerly direction. However, in the northwest portion of the subject site, north of the main onsite industrial building (Building 1), the topography is generally graded to drain to the north across asphalt-paved parking lot/drive areas along an asphalt-paved swale and concrete paved ribbon gutter towards the adjacent, offsite Mission Zanja Creek flood control channel.

Geology

The subject site is situated near the southern end of an alluviated valley lying between the San Bernardino Mountains to the northeast and the Crafton Hills and the Badlands to the east/southeast and south, respectively. This valley makes up the far northeastern portion of the Peninsular Ranges geomorphic province of Southern California. The Peninsular Ranges geomorphic province incorporates the vast region extending from the San Gabriel and San Bernardino Mountains south into the Baja California Peninsula. This region is characterized by a series of northwest-trending, small mountain ranges. The dominate drainage pattern of the region is the Santa Ana River which lies approximately 2.5 miles north of the subject site. Erosion of the surrounding highlands and the subsequent deposition in the lower regions by the Santa Ana River and its watershed tributaries has resulted in the deposition of these relatively unconsolidated alluvial units over the valley floor. The depth of these units at the subject site was not determined during this study, but is considered to be on the order of several hundred to several thousand feet to older sedimentary bedrock and crystalline bedrock. Most of the subject site has been mapped

as being underlain by young (middle Holocene) axial-valley deposits, described as slightly to moderately consolidated silt, sand, and gravel deposits (Matti et al., 2003). Along/near the south end of the subject site, from the middle to the southeast corner, very old (middle to early Pleistocene) axial-valley deposits have been mapped, described as moderately to well consolidated silt, sand, and gravel. The north side of the subject site is mapped as being underlain by very young wash deposits (latest Holocene), described as very slightly consolidated sand and gravel deposits in active washes.

The nearest known active earthquake fault is the Crafton Hills complex located approximately 1.9 miles to the southeast. Other active earthquake faults in the region include the San Jacinto fault, located approximately 2.7 miles to the southwest, and the San Andreas fault, located approximately 5.5 miles to the northeast.

Hydrogeology

The subject site is located in the Bunker Hill Subbasin, which is situated within the Upper Santa Ana Valley Groundwater Basin. The Bunker Hill Subbasin consists of the alluvial materials that underlie the San Bernardino Valley. This subbasin is bounded by contact with consolidated rocks of the San Gabriel Mountains, San Bernardino Mountains, and Crafton Hills, and by several faults. The southern boundary is the Banning fault, the east boundary is the Redlands fault, the San Andreas fault is roughly the northern boundary, the Glen Helen fault abuts the northwest boundary, and the southwest boundary is the San Jacinto fault. The Santa Ana River, Mill Creek, and Lytle Creek are the main tributary streams in the subbasin (California Department of Water Resources, 2004).

The Bunker Hill Subbasin contains several groundwater contamination plumes. The Redlands plume, located between Judson Street and Waterman Avenue in Redlands, is primarily composed of trichloroethene (TCE) and perchlorate, with lower levels of tetrachloroethene (PCE) and 1,2-dibromo-3-chloropropane (DBCP). The Norton Air Force Base plume consists of TCE and PCE, and stretches approximately 2.5 miles long. The Newmark and Muscoy plumes are spread around the east and west sides of the Shandon Hills in northern San Bernardino. These plumes consist of TCE and PCE, and are designated Superfund sites. The Santa Fe plume, located approximately 1.3 miles south of the Newmark and Muscoy plumes, is primarily of petroleum-based contaminants. Based on the location of the subject site and groundwater analytical results from monitoring wells in the area, the site does not appear to be located in any of the plumes, except perhaps for the perchlorate portion of the Redlands plume (California State Water Resources Control Board, 2019).

The regional groundwater flow direction is estimated towards the Santa Ana River, generally in a westerly direction, coincident with the fall in local ground surface topography.

Groundwater well data from the Cooperative Well Measuring Program, Spring 2019 (Watermaster Support Services et al., 2019) and the California Department of Water Resources (DWR) online Water Data Library website indicate that the current depth-to-groundwater beneath the subject site is over 150 feet bgs, and has been slowly dropping over recent years.

The nearest wells in the Cooperative Well Measuring Program and DWR database include State Well No. 01S03W28J001S ("New York Well"), located along the west side of New York Street, halfway between West State Street and Pine Avenue, approximately 0.3 mile east-southeast of the subject site, and State Well No. 01S03W28C001S ("Redlands/Tennessee"), located near the intersection at West Redlands Boulevard and Tennessee Street, located approximately 0.3 mile north of the subject site. The New York Well has groundwater measurements available from June 1993 to June 2019. The groundwater levels recorded over this time period ranged from approximately 112 to 214 feet bgs. The Redlands/Tennessee Well has groundwater measurements available from June 1928 to October 2008. The groundwater levels recorded over this time period ranged from approximately 70 to 161 feet bgs.

HISTORY OF SITE USAGE

To obtain a history of previous site usage, a search was conducted for historical Sanborn Fire Insurance Maps, topographic maps, aerial photographs, Assessor's parcel information, and city building records. A representative of the current owner of the subject site was interviewed.

Sanborn Fire Insurance Maps

No coverage of Sanborn Fire Insurance Maps was available for the subject site. The Certified Sanborn® Map Report from EDR is provided in Appendix B.

Historical Topographic Maps

Historical topographic maps of the quadrangle that includes the subject site, at a scale of approximately 1"=2,200', provided by EDR from 1899, 1901, 1954, 1967, 1973, 1980, 1988, 1996, and 2012, were reviewed. The historical EDR topographic maps are provided in Appendix C.

The early map images, 1899 and 1901, are essentially the same, from large scale maps (likely 1:62,500 or larger). These map images show the subject site as essentially vacant land, with a road of some type running east-west across the south end/side. Bordering to the east is a road along the present day Tennessee Street. Just north of and immediately adjacent to the northwest of the subject site is a natural channel shown flowing generally along the alignment for the present day Mission Zanja Creek flood control channel. The surrounding properties are either vacant land or sparsely developed with residence-sized buildings. Adjacent to the south is a railroad track, and based on online research, belonged to Southern Pacific Railroad (SPRR), and was their "Redlands and San Bernardino Motor Line" (National Environmental Title Research, LLC, 2019). The densely developed downtown area of Redlands is shown over 0.5 mile east of the subject site.

The map image from 1954 is likely from a map at a scale of 1:24,000. This map shows a residence-sized building near the southeast corner of the subject site, which is otherwise shown as agricultural grove. The road shown across the south end/side of the subject site is absent. The present day road along West State Street, shown as Citrus Avenue, is located immediately south of the SPRR track. The creek to the north is indicated to have been artificially channelized, likely along the present day alignment for the present day Mission Zanja Creek flood control channel. Agricultural grove, some with associated residence-sized buildings, are present on adjacent or adjoining properties in all directions from the subject site, except to the northeast across Tennessee Street, where there are largely only residence-sized buildings.

The map images from 1967 and 1973 are essentially the same, likely from maps at a scale of 1:24,000. These images show the subject site with the residence-sized building and agricultural grove gone, with a relatively large industrial building (Building 1) in the east half of the site and a relatively small building (Building 3) just north of it. A railroad spur track coming off of the SPRR track to the south is shown. This spur track runs east-west near and south of the large onsite industrial building. Offsite agricultural groves have been removed to the east, south, and partially to the west. Apparent, offsite commercial buildings are located to the south across Citrus Avenue (present day West State Street),

just west of the subject site along the present day Kansas Street, and just east of the subject site beyond Tennessee Street.

The map images from 1980, 1988, and 1996 are essentially the same, likely from maps at a scale of 1:24,000. The onsite large industrial building (Building 1) has been added onto, including to the west and south, more than doubling its size. Also, a third building (Building 2) has been added to the northwest corner of the subject site. A remnant of the onsite spur track, likely truncated by the addition to the south side of the large industrial building, is shown. The grove adjacent to the west of the subject site is completely removed, except perhaps for a remnant row or two along Kansas Street. At this offsite property to the west are now half a dozen buildings, including three narrow, rectangular buildings and a larger rectangular building, likely commercial or industrial. Most of the grove to the north of the Mission Zanja Creek channel is gone. Grove to the southeast of the intersection at Tennessee and West State Streets is gone with several residential-sized buildings present.

The map image from 2012 is likely from a map at a scale of 1:24,000. This map image generally does not show structural features. However, the road to the south is now labeled as West State Street (formerly Citrus Avenue). The SPRR railroad track, along with the remnant onsite spur track, are absent.

Aerial Photograph Review

Digital aerial photographs provided by EDR, from 1930, 1938, 1949, 1953, 1959, 1966, 1968, 1975, 1985, 1989, 1994, 2006, 2009, 2012, and 2016, were reviewed to investigate the past use of the subject site and the surrounding properties. Google Earth Pro computer program (2019) recent (1994 to 2018) and online (Nationwide Environmental Title Research, LLC, 2019) historical digital aerial images were used to enhance our review and/or provide supplementary review.

Copies of the historical aerial photographs provided by EDR with the approximate boundaries of the subject site are provided in Appendix D.

A brief summary of the site and surround conditions during the various times, as reflected in the EDR aerial photographs, is given below.

1. March 25, 1930, Source: EDR (FAIR), Approximate Scale: 1"=500'

This early digital aerial photograph is of poor quality, but shows the subject site as mostly agricultural grove. The last row along the east side of the onsite grove is likely immediately offsite. The far north end of the subject site is vacant land with vegetation and drainage features that are likely affected by the nearby Zanja Creek (present day Mission Zanja flood control channel). Due to the poor quality of the photograph it is difficult to discern, however, there may be a structure, possibly a residence, located near the east boundary of and southeast corner for the subject site. There appear to be at least a couple of mature trees along the east subject site boundary near this possible residence. Near and just offsite to the south, within the present day road for West State Street, is a railroad track (belonging to SPRR according to historical topographic maps). Adjacent to the south of this railroad track is Citrus Avenue (within present day West State Street), an apparent asphalt-paved, 2-lane, unimproved road. Bordering to the east of the subject site is Tennessee Street, apparently an asphalt-paved, 2-lane, unimproved road. Most of the surrounding properties are agricultural grove, some with associated structures, likely residences and outbuildings. Beyond the Zanja Creek to the north and northeast are cleared properties that may have had groves formerly present, and one or both of these properties may have young trees planted.

2. June 14, 1938, Source: EDR (USDA), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown. Grove trees in the north end of the subject site and adjacent property to the west have been removed, along with much of the vegetation at/near the Zanja Creek which appears to have undergone recent channelization, possibly due to recent heavy rainfall. There may be young trees replanted in the north end of the subject site and adjacent property to the west. Maturing grove trees are evident at the property to the north beyond the Zanja Creek.

3. May 8, 1949, Source: EDR (USDA), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown. Due to the quality of the photograph, the onsite residence near the east boundary and southeast corner appears evident. The grove trees in the north end of the subject site and property adjacent to the west have matured somewhat. A couple of rows of grove trees are situated between the subject site and the Zanja Creek. Relatively dense vegetation, likely natural re-vegetation, is evident along the Zanja Creek. To the northeast across Tennessee Street and Zanja Creek are structures, likely including residences.

4. January 15, 1953, Source: EDR (USDA), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown. Rectangular structures, likely agricultural or otherwise commercial related, have been added to the adjacent or adjoining properties to the east, southwest, and west.

5. June 22, 1959, Source: EDR (USDA), Approximate Scale: 1"=500'

The subject site appears essentially the same as previously shown. A residence has been added across the street to the east of the northeast corner of the subject site. An approximate 4-acre grove has been removed to the north of the east portion of the subject site beyond the Zanja Creek. The north approximate one-third of the grove at the property adjacent to the west has been removed, with a residence near Kansas Street to the west and two long, rectangular structures present, which appear to be associated with some sort of animal farm, possibly dairy or poultry. Two rectangular structures have been added to the property to the southwest across Citrus Avenue (present day West State Street), possibly part of a poultry farm. The beginning of a commercial development in a nearly 1-acre rectangular area at the southeast corner of the intersection at Tennessee Street and Citrus Avenue includes a rectangular building and several smaller buildings.

6. April 16, 1966, Source: EDR (USGS), Approximate Scale: 1"=500'

The grove and residence have been removed from the subject site. The present day industrial Building 3 for the La-Z-Boy West facility has been built, with the original portion of Building 1 under construction. Tennessee Street has been recently re-paved with asphalt and widened. The grove across Tennessee Street to the east has been removed, and is now a commercial yard (based on recent Phase I ESA of this site by LOR, this site was a concrete pipe manufacturer and later pipeline contractor). Most of the present day Southern California Edison (SCE) facility has been constructed across Citrus Avenue (present day West State Street) to the south. Half a dozen rectangular structures have been removed from the property to the southwest, with a few concrete slab foundations remaining. One of the two previously shown rectangular structures at the property adjacent to the west is gone, with another added near and just south of the removed structure. Other smaller structures appear to be present at this property.

7. August 22, 1968, Source: EDR (USDA), Approximate Scale: 1"=500'

The east half of the subject site is developed with industrial Buildings 1 (original portion) and 3 completed. The west half of the subject site is largely vacant land. Entering the west side of the subject site, near and just north of the southwest corner, is a railroad spur track. This spur track appears to extend to or near the southeast corner of Building 1, running along the south side of the building. The grove to the southwest has been removed. The remainder of the grove to the west has also been removed, with the west end of one of the rectangular structures shortened.

8. December 1, 1975, Source: EDR (USGS), Approximate Scale: 1"=500'

In this digital infrared photograph, the entire subject site is shown as being developed, including an approximate doubling in the size of Building 1 and construction of Building 2. The subject site appears largely as it does at the present day. Citrus Avenue to the south appears widened. The property to the southwest across Citrus Avenue has been completely cleared of structures and mature trees, and sits as vacant land. A relatively large, rectangular commercial or industrial building has been built on the central and south portions of the adjacent property to the west. North of this building, the rectangular structure that was previously shortened at the west end has also been narrow, and is now less than half its original size. Near and north of this reduced structure and approximately 200 feet to the west-northwest, are two new rectangular structures, one larger and longer (north) and the other smaller (west-northwest). The purpose of the rectangular structures at this property are likely non-agricultural commercial or industrial. An approximate 4-acre grove has been removed to the north of the west portion of the subject site beyond the Zanja Creek. Zanja Creek has been widened as an earthen channel, and is essentially the same as at present day, bordering the subject site to the north. To the northeast across Tennessee Street and Zanja Creek, there are numerous objects, possibly including vehicles, and may be a junk yard. The yard was smaller in the previous (1968) aerial photograph image, and has expanded.

9. July 28, 1985, Source: EDR (USDA), Approximate Scale: 1"=500'

This digital infrared photograph is of somewhat poor quality. However, the subject site appears to be essentially the same as previously shown. To the southwest across Citrus Avenue, the SCE facility has been expanded westward. The previously reduced structure to the west is gone. The grove to the northwest beyond the Zanja Creek has been removed. Beyond the Zanja Creek to the north of the east half of the subject site, several commercial buildings, two rectangular and two “L”-shaped, have been constructed.

10. August 15, 1989, Source: EDR (USDA), Approximate Scale: 1"=500'

The subject site and surrounding properties appear somewhat the same as previously shown. An addition has been made to the south side of onsite Building 1, and the railroad spur track has been removed as a result. Citrus Avenue is widened and more improved, and now appears essentially the same as at present day for West State Street. The SCE facility to the south has expanded farther westward, and is as extensive as at present day. To the northeast across Tennessee Street and Zanja Creek, over half a dozen commercial buildings are present. The commercial development at the southeast corner of the intersection at Tennessee Street and Citrus Avenue has expanded slightly to the east.

11. June 1, 1994, Source: EDR (USGS/DOQQ), Approximate Scale: 1"=500'

The subject site and surrounding area appear largely the same as previously shown. An addition has been made along the north side of onsite Building 1, and the subject site appears essentially the same as at present day. The three larger, rectangular structures at the adjacent property to the west have been removed, and there is now some apparent truck trailer parking there near and adjacent to the north portion of the subject site. At the property to the north of the west portion of the subject site beyond the Zanja Creek, there are dirt roads drives, some cleared vegetation, and apparent piled materials, possibly soils or green waste.

12. 2006, Source: EDR (USDA/NAIP), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown. Truck trailer parking has doubled offsite and near/adjacent to the subject site to the west. Across the Zanja Creek to the northwest, a property has expanded development to the east, and may be residential and/or commercial use. To the north of this property are apparent industrial buildings under development (grading). The residence to the east across Tennessee Street from the northeast corner of the subject site appears to have been removed and is now asphalt parking/drive area.

13. 2009, Source: EDR (USDA/NAIP), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown. Truck trailer parking to the west has increased. The two industrial buildings beyond the Zanja Creek to the northwest have been completed.

14. 2012, Source: EDR (USDA/NAIP), Approximate Scale: 1"=500'

The subject site and surrounding properties appear essentially the same as previously shown.

15. 2016, Source: EDR (USDA/NAIP), Approximate Scale: 1"=500'

The subject site and surrounding properties appear largely the same as previously shown, except there appear to be numerous containers, likely including dumpsters and roll-off bins at the property to the north of the west portion of the subject site across the Zanja Creek.

16. 2016-2018, Google Earth Pro Aerial Images, Various Scales

The subject site and immediate surrounding properties appear essentially as shown in the previous digital aerial photograph image, except the containers and materials piles have been removed from the property to the north of the west portion of the subject site across the Zanja Creek.

Assessor's Parcel Information

The subject site is comprised of APN 0292-192-11, approximately 8.17 acres of land under industrial use, and has an associated address at 301 Tennessee Street. A year built is shown as 1965, presumably for the original onsite industrial buildings (Parcel Quest Lite, 2019).

According to the County of San Bernardino Assessor's online Property Information Management System (PIMS), APN 0292-192-11 is currently owned by La Z Boy Chair Co., who has owned the parcel since at least February 1973. No other property owners are shown. The parcel is shown as industrial land with a light industrial use code shown (County of San Bernardino Assessor's Office, 2019).

During a recent Phase I ESA for the adjoining, offsite property at the northeast corner of the intersection at Tennessee and West State Streets, copies of old Assessor's parcel maps, last revised as late as May 1958, were obtained at the Heritage Room in the A. K. Smiley Public Library in Redlands. These parcel maps had hand written information about usage or parcel occupants and addresses. At the subject site, an address at 301 Tennessee Street and "Lazy-Boy" are shown. Across Tennessee Street to the east of the subject site, the parcel at the northeast corner of Tennessee and West State Streets (shown as Citrus Avenue on the parcel maps) is shown under use by "Wesley Ray Storage

Yard", located at 300 Tennessee Street. To the east beyond this offsite parcel to the east is shown with "Calif. Water & Telephone Co.", located at 1430 Citrus Avenue, and to the north is a parcel shown with address at 340 Tennessee Street. Citrus grove and apparent structures with associated addresses at 1439, 1445, and 1449 Citrus Avenue are shown at the southeast corner of Tennessee Street and Citrus Avenue (present day West State Street).

A copy of the Assessor's Parcel Map is presented on Figure 2 with the approximate boundaries of the subject site.

City Directory Information

Historical EDR city directory information (image report) for listings along Tennessee Street and Kansas Street were reviewed, as the subject site and offsite commercial or industrial properties of concern border these streets. The available listings were from 1965 to 2014. The EDR-City Directory Image Report is provided in Appendix E.

Listings for the subject site address at 301 Tennessee Street were available under La-Z-Boy West, LAZBOY West, La-Z-Boy Chair Company, La-Z-Boy Incorporated, or LZB Manufacturing, Inc. in 1972, 1975, 1981, 1985, 1992, 1995, 2000, 2005, 2010, and 2014.

Commercial or industrial listings from 1965 to 2014 for adjacent or nearby properties include a plastics company, storage facility (boat and recreational vehicles), machine shop, alarm company, electric contractors, solar company, engineering company, pipeline contractor, pet resort, automotive-related businesses (including vehicle smog shop, transmission shop, auto upholstery, and auto dismantler) concrete paving contractor, schools and colleges, Southern California Edison service center, dental office, pool service, insurance, analytical lab, antiques, restaurant, plumbing supply, bike shop, and drilling and consulting company.

City Building Records Review

On October 24, 2019, the City of Redlands Building and Safety Division was visited to review available building permits for the subject site address at 301 Tennessee Street. Building permits were available for the subject site dating from 1965 to 2017. These permits are all related to the onsite industrial facility recently vacated by La-Z-Boy. The original portion of Building 1 (main manufacturing building) and Building 3 (smallest building), a total of 72,000 square feet, were permitted in 1965 to 1966. In 1969, Building 2,

12,000 square feet, was permitted, along with an addition of 28,000 square feet to Building 1. Another addition to Building 1 of 43,600 square feet was permitted in 1972. An addition of unspecified size, likely the approximate 21,000 square foot south end of Building 1, was permitted in 1986. The last addition to Building 1, 9,225 square feet, was permitted in 1991. The permit records include typical building features involving structural, mechanical, electrical, and plumbing features. Some floor drains and a seepage pit are documented in some of the permit records. No other features of potential environmental concern were noted.

Interview

On October 21, 2019, during our site reconnaissance, Mr. Chris Davis, Director of Facilities and Automation for La-Z-Boy Incorporated, provided a partial tour of the subject site, and was interviewed. Mr. Davis has worked for La-Z-Boy for 26 years, was knowledgeable about onsite facilities and operations, and is involved with the move-out of the La-Z-Boy operation to Mexico. Mr. Davis stated that the onsite manufacturing facility is designated “Plant 3" for La-Z-Boy. He indicated the large onsite industrial building is designated as “Building 1" and the smaller building in the northwest corner is “Building 2". It was not clear if the smallest and third onsite building was designated by La-Z-Boy, but for the purposes of this Phase I ESA, the smallest building has been designated “Building 3".

The last onsite spray booths, recently removed, were used for a water-based, latex glue which involved no chemical solvent usage. These spray booths were located in the northwest portion of Building 1, approximately 80 to 95 feet east-southeast of the northwest building corner. Other past spray booths that Mr. Davis is aware of, including for lacquer, were located in the old “Finishing Room”, which is located within the northwest portion of Building 1, adjacent to the west of the former central storage. The old “Finishing Room” was used in recent years for Dacron® cutting and storage and a fenced area with stored electrical components. The former maintenance shop in Building 1, adjacent to the east of the former central storage, was used to work on pneumatic/air tools, sewing machines, battery lift, and the “tuggers”, like airport tugs for luggage. The former maintenance shop included welding equipment and a lathe. Other areas of Building 1 were indicated to have been used for storage, offices, cafeteria, assembly, cutting, material receiving, and shipping.

Building 2, located in the northwest corner of the subject site, was used for wood cutting and metal and wood parts storage.

The designated “Hazardous Materials Area” along the west side of the south portion of Building 3 was indicated to be used primarily for storage of empty containers of hazardous materials. Due to their move-out activities, metal and plastic containers with hazardous materials and wastes, including 5-gallon buckets, 55-gallon drums, and approximate 300-gallon totes, were being stored in this area.

The former “Lacquer Room” in the south portion of Building 3 was used to store filters, electrical items, sewing machines, paint supplies, and red-dyed diesel fuel. The red-dyed diesel fuel was utilized for the “switch tractor” trucks used to move truck trailers onsite.

On October 28, 2019, Mr. Tim McCurry, Director of Environmental Health & Safety for La-Z-Boy Incorporated, was briefly interviewed. Mr. McCurry indicated the former operation at the subject site involved relatively minor hazardous materials and wastes, including oils for equipment, paints, and glues. Typical wastes included liquid non-hazardous wastes, light bulbs, batteries, aerosol cans (used for touch-up paint finishing), paint (small quantities), and glues. The smallest onsite building (Building 3) was referred to or called “shed” or “outbuilding” by La-Z-Boy personnel. Mr. McCurry suggested we send him an email to request additional information.

On October 30, 2019, Mr. McCurry was emailed a request for records/information, including the numbered items below. On November 14, 2019, Mr. Cody Buell, Environmental Health and Safety & Sustainability Manager for La-Z-Boy, provided the responses to the number items shown below.

1) A list of all known hazardous materials that have been stored/used onsite.

La-Z-Boy response: Hazardous materials generated were typically thinners, paints, and stains. No major quantities of any material were used at the site.

2) A list of all known hazardous wastes that have been generated onsite.

La-Z-Boy response: Limited to “typical” wastes such as diesel, thinners, stains, and paints. Nothing in large quantities.

3) Does La-Z-Boy know of any underground tanks that have been present onsite?

La-Z-Boy response: No.

4) Is La-Z-Boy aware of any onsite environmental issues affecting the property?

La-Z-Boy response: No.

5) Is La-Z-Boy aware of any offsite environmental issues at neighboring properties?

La-Z-Boy response: No.

6) Does La-Z-Boy have any maps, recent and historical, which show storage/use of hazardous materials and wastes (including spray booths and degreaser)?

La-Z-Boy response: I (we) have not been able to track one down as of this moment.

On November 13, 2019, Mr. McCurry called in response to our request for information regarding the former collection trap for fire suppression water overflow. Mr. McCurry was unaware of any specific details regarding the former collection trap, but indicated that current procedures at La-Z-Boy facilities involve an annual water flow flush test of the fire sprinkler system to ensure adequate pressure is available for the fire sprinklers to work properly. This test involves water flowing through pipes and being fed directly into drains that lead to the sanitary sewer.

In a followup to the above telephone conversation with Mr. McCurry regarding the former collection trap for fire suppression water overflow, Mr. Chris Davis, Director of Facilities and Automation for La-Z-Boy Incorporated, responding to an internal La-Z-Boy email, indicated he believed the former trap was supposed to collect any oils or debris before going over to the storm canal north of the property line.

On November 14, 2019, Mr. Buell emailed Mr. Chris Davis about our question regarding the nature and purpose of the former collection trap for fire suppression water overflow. Mr. Davis responded that he thought it was supposed to collect any oils or debris before going over to the storm canal north of the property line.

SITE RECONNAISSANCE

Site reconnaissance across the subject site was initially conducted on October 21, 2019, and later observations during Phase II ESA related activities were made on October 29 and November 6, 7, and 8, 2019. To orient our site reconnaissance, a copy of a recent color aerial photograph was obtained for our use. This recent color aerial photograph with approximate site boundaries is presented on Figure 3.

The subject site is comprised of an approximate 8.2-acre, rectangular parcel (APN 0292-192-11) of land at the northwest corner of Tennessee Street and West State Street, addressed 301 Tennessee Street. Just over half the area of the subject site is occupied by buildings, including the main manufacturing building, Building 1, approximately 181,500 square feet of primarily concrete tilt up construction with concrete block wall and metal siding on the north side addition from 1991. Buildings 2 and 3 are approximately 12,000 and 1,355 square feet, respectively, of concrete tilt up construction. All three buildings have flat roofs. The remainder of the subject site includes asphalt-paved drives, parking areas, loading dock areas, and planter areas. Onsite vegetation includes landscaped trees (including orange trees along most of the north boundary), bushes, ornamental plants, and grass. Approximate 6-foot high metal chain-link fencing is present along most of the north site boundary and along the south portion of the west site boundary. Wrought iron fencing and/or security gates are present along/near the north portion of the east site boundary, along the south side just east of the southwest corner at a concrete entrance drive off of West State Street, and near the middle of the west side of Building 1, running east to west, extending from Building 1 to the west site boundary. Extending west from the southwest corner of Building 1 to the southwest site corner is approximate is approximate 8-foot high concrete block wall, atop of which is up to several feet high of wrought iron fencing with spiked tips.

The outside areas of the subject site included parked vehicles, up to around half a dozen truck trailers, two “switch tractor” trucks, a forklift (propane-powered), various roll-off bins that included trash and debris or scrap metal, pallets, baled cardboard, partially disassembled baling equipment, lift equipment, a trash compactor, and metal items.

Inside Building 1 were remnant items, but was largely vacated as a result of the move-out by La-Z-Boy. Office furniture, finished goods, and materials, including wood, poly foam insulation, and metal, were among the items still in the process of being moved out. In the north central portion of the building, primarily at the former manufacturing/assembly Cell 16, were accumulated containers of hazardous materials up to 5 gallons in capacity which included paint, mineral spirits, epoxy, wood stain, floor tile adhesive, asphalt crack filler, chemical cleaner, and urethane. Racks in former storage areas are present. Office furniture and other items remained in the office area and tables, chairs, and outdoor tables with benches and some umbrellas remained in the cafeteria location within the far east end of Building 1. In the central storage adjacent to the west of the former maintenance shop some items were left that are related to building maintenance, including cleaners, light bulbs, air hoses, and roof drain parts.

Inside Building 2 were boxes of materials, including wood and metal items. Two approximate 300-gallon totes of green-dyed glue were present.

Inside Building 3, in the south half, the last remaining storage items included four 55-gallon drums of red-dyed diesel fuel, plastic 5- to 55-gallon containers that included latex rubber wax, neutralizing acid absorber, degreasers (non-chlorinated), and polyurethane additive (release agent), fluorescent light bulbs, and three plastic buckets with light bulbs, batteries, and light fixture ballasts marked to be recycled. Minor diesel-stained concrete was noted on the floor. In the north half of Building 3 is compressor equipment, including two compressor units and associated drying tanks, and electrical equipment, including a 575 volt, step-up, dry type, electrical transformer.

Along the west side of the southwest corner of Building 3, is a canopied fenced “Hazardous Materials Area”. A concrete bermed area is present beneath the canopy, with some apparent paint and glue staining. This location was observed with two approximate 300-gallon totes of glue/adhesive, plastic 5-gallon buckets with lithium grease, paint, and glue, and plastic and metal 55-gallon drums with glue, concrete sealer, waste oil, wax emulsion, and diesel fuel. Immediately adjacent to or near the northwest corner of the concrete berm is what appeared to be smaller areas of dark stained asphalt.

During site visits following the initial visit on October 21, 2019, the amount of truck trailers, vehicles, roll-off bins, etc. outside the onsite buildings were observed to be significantly reduced in number or absent completely. Most of the items observed within all three onsite buildings, including containers of hazardous materials and wastes, were moved offsite following our initial site visit. Safety Kleen transported the containers of hazardous materials and wastes offsite on November 7 and 8, 2019.

Onsite utilities include natural gas, electric, water, sewer, and telecommunications. Two onsite power poles are present with associated lines along the west side of the south portion of the subject site. Near the northernmost of these power poles is an old, pad-mounted electrical transformer with no evidence of leakage. This transformer is likely from the mid 1960s when the industrial development of the subject site began. At least a handful of dry type, private electrical transformers were observed onsite. An electrical panel in Building 2 indicates spray booth fans were present at some point in the past. At the northwest corner of Building 1 is an area bordered by crash posts that formerly had an aboveground propane storage tank. Storm drain swales, asphalt or concrete, are present in the northwest portion of the subject site, draining in a northerly direction to concrete head walls which are associated with drain pipes that terminate into the Mission Zanja Creek flood control channel. At the southernmost loading dock on the east side of

Building 1, just north of the southeast corner, is an apparent storm drain sump with a pump connected to a plastic pipe that discharges to the planter area along the west side of Building 1. An underground tunnel with water and air lines connect Building 3 to the north with the former maintenance shop (old “Spray Room”) in Building 1 to the south. Two fire hydrants are present onsite, one in the north central portion at the other along/near the middle of the west subject site boundary. Two light posts are present along the west boundary of the subject site.

Adjoining Properties

The subject site is located in a mixed commercial, industrial, and residential area that was historically dominated by agricultural groves. The subject site is bordered to the east by Tennessee Street, a 4-lane, asphalt-paved, improved roadway. Bordering to the south is West State Street, a 2-lane, asphalt-paved, improved roadway. To the east beyond Tennessee Street is a yard at 300 Tennessee Street for a former pipeline contractor that is under removal for various items stored on the property, adjacent to which is part of the ESRI campus at 1070 West State Street. To the southeast beyond the intersection at Tennessee and West State Streets are commercial office buildings, including the site of the former Centrum Analytical Laboratories at 290 Tennessee Street, and Redlands Adventist Kindergarten and Kids Care. To the south, across West State Street, is a Southern California Edison facility, addressed 287 Tennessee Street. Adjacent to the west of the central and south portions of the subject site is the Toy Locker, a boat and recreational vehicle storage facility, addressed 300 Kansas Street. Adjacent to the west of the north portion of the subject site is a vacant yard area used for truck trailer parking, associated with the subject site. Bordering to the north of the subject site is the Mission Zanja Creek flood control channel. This channel is earthen where is borders the subject site, but is a concrete-lined channel to the northeast across Tennessee Street where it borders a portion of the ESRI campus to the north. This channel is at least 100 feet wide north of the subject site. Properties beyond the channel to the northwest, north, and northeast include a tow yard, a property under construction for a new United States Post Office, an animal kennel, and numerous commercial businesses in multi-unit buildings.

Observations of the properties adjoining the site did not reveal any potential source(s) of aboveground contamination which is anticipated to significantly impact the subject site.

Color photographs of the subject site and adjoining properties are provided within Appendix F.

REGULATORY AGENCY RECORDS REVIEW

For records relating to environmental compliance and hazardous materials/waste within the County of San Bernardino, the CSBFD-HMD generally is the lead agency. The California Regional Water Quality Control Board, Santa Ana Region (CRWQCB-SAR) or CSBFD-HMD may be the lead agency for soil and/or groundwater investigations and remediation. These agencies were contacted, either directly and/or online, for records they may have for the subject site. Online South Coast Air Quality Management District (SCAQMD) and California DTSC records were also searched.

County of San Bernardino Fire Department-Hazardous Materials Division

A Request to review records for the subject site was emailed to the CSBFD-HMD on October 2, 2019. In a letter dated October 15, 2019, the CSBFD-HMD indicated that records were found. A copy of the CSBFD-HMD records response letter and select records are provided in Appendix G.

The records for the subject site, under La-Z-Boy West at 301 Tennessee Street, pertain to hazardous materials handling and hazardous waste generation. From 1984 to August 2015, permitting records indicated the subject site was permitted for handling hazardous materials, hazardous waste generation, limited hazardous waste generation, conditionally exempt small quantity hazardous waste generation, and/or as an EPCRA (Emergency Planning and Community Right-to-Know Act) facility. More recent permit records were not available.

Documentation was available indicated Business Plans were filed from 1987 to 2012, with electronic submittal in 2014. These Business Plans included inventories of hazardous materials and wastes, including hydraulic fluid (and waste), CalFoam-Bond 100 (natural latex compound), AW-60 wax (wax emulsion), adhesives, synthetic resin, lead-acid batteries, sulfuric acid, heavy duty degreaser (butoxyethanol, sodium hydroxide, and sodium metasilicate), diesel, aerosols (universal waste), waste empty containers, waste non-hazardous liquid, and propane. County permit application documentation from 1993 lists 1,1,1-trichloroethane (1,1,1-TCA) and oil wastes, and hazardous materials, including 1,1,1-TCA, oil, and finish material. County permit application documentation from 1986 lists boiler cleaner waste, cleaning solvents, degreasing waste, latex waste, and alkaline cleaner. The boiler cleaner waste was indicated to be disposed by septic tank, latex waste was placed in the trash, and the remaining wastes were transported by licensed haulers or recycler.

Documentation of periodic county inspections is available from November 1984 to November 2017. Hazardous materials noted include solvents, adhesives (including solvent- and water-based glues), stains (solvent- and water-based), thinner (including methyl ethyl ketone and 1,1,1-TCA), lacquer (solvent- and water-based), 1,1,1-TCA, motor oil, lube oil, hydraulic oil, turbine oil, gear oil, grease, coating materials, propane, oxygen, acetylene, diesel, and paint. Hazardous wastes noted include degreasing solution, waste oil, boiler cleaning waste (alkaline), and 1,1,1-TCA waste.

Violations noted during the onsite inspections include container labeling, removing hazardous wastes every 90 days, berm for the hazardous waste storage area, sign posted for hazardous waste storage area, keeping hazardous waste manifests and receipts available, removal of all used empty drums by licensed hauler, annual update for Business Plan, and failure to obtain California Environmental Protection Agency (EPA) identification (ID) number.

The September 14, 1994 inspection report indicates many materials used onsite were changed from solvent-based (including 1,1,1-TCA) to water-based. The April 23, 1996 inspection report indicates onsite hazardous waste streams had been reduced to waste oil only. The April 21, 2008 inspection report indicates the onsite manufacturing process had changed, some of the manufacturing processes had been outsourced, and the only hazardous waste generated was waste oil from sewing machines. The January 5, 2012 inspection report for the November 28, 2011 inspection indicates hazardous waste was no longer being generated onsite.

California Regional Water Quality Control Board - Santa Ana Region

On October 30, 2019, a request to review records for the subject site address at 301 Tennessee Street was emailed to the CRWQCB-SAR. In a reply email on November 4, 2019, the CRWQCB-SAR indicated that only storm water records are available, and provided an online link to these records at the Water Boards Storm Water Multiple Application & Report Tracking System (SMARTS) website. This website has three listings under Lazboy/La Z-Boy, all of which are industrial, with statuses that include terminated, no action required, and undetermined. Nothing of an environmental concern was noted in a review of the online storm water records for the subject site.

The California State Water Resources Control Board (SWRCB) maintains the online GeoTracker database, which includes CRWQCB-SAR records for: 1) cleanup sites, including leaking underground storage tank (LUST) sites, cleanup program sites, military cleanup sites, and California DTSC cleanup sites; 2) permitted facilities, including waste

discharge requirements sites, permitted USTs, DTSC hazardous waste sites, land disposal sites, irrigated lands regulatory program sites, and oil/gas sites; and 3) other sites, including project sites, non-case information sites, sampling points - public, and field points.

The GeoTracker database was searched for records that may pertain to the subject site or nearby properties (California State Water Resources Control Board, 2019). No records were found to be associated with the subject site. The closest site to the subject site with records is the City of Redlands Corporation Yard at 1270 West Park Avenue, located approximately 760 feet north of the subject site. This site is a UST and LUST site with a regulatory case for diesel in soil that was closed in 2000.

California Department of Toxic Substances Control

The online California DTSC Hazardous Waste Tracking System (HWTS) was searched for hazardous waste manifest records available for sites at or adjacent to the subject site (California DTSC, 2019b). Hazardous waste manifest records for the subject site were found under 301 Tennessee Street and adjacent property to the west under 300 Kansas Street.

Under 301 Tennessee Street, the subject site is listed with two California EPA ID profiles, one for La-Z-Boy and the other for Hahan Contractors. The California hazardous waste manifest data is from 1994 to 2015, and documents asbestos-containing waste, other inorganic solid waste, off-specification, aged or surplus organics, other organic solids, and liquids with halogenated organic compounds $\geq$1,000 milligrams per liter (mg/L). The manifest data for the subject site is similar to and inclusive within that shown in the HAZNET database, discussed in the HAZNET subsection of the **ENVIRONMENTAL DATABASE REVIEW** section of this Phase I ESA report.

Under 300 Kansas Street, Spartech Plastics, Inc. is listed with one California EPA ID profile. Numerous California hazardous waste manifest data is listed from 1993 to 2005, and documents 0.3 ton of an unspecified waste indicated to have an invalid waste code, approximately 10.3 tons of alkaline solution (pH $\geq$12.5) without metals, approximately 0.9 ton of aqueous solution (2< pH <12.5) with organic residues less than 10 percent, approximately 3.4 tons of asbestos-containing waste, approximately 0.02 ton of other inorganic solid waste, approximately 12.2 tons of unspecified solvent mixture, approximately 1.4 tons of waste oil and mixed oil, approximately 3.4 tons of unspecified oil-containing waste, approximately 17.6 tons of other organic solids, and approximately 0.01 ton of liquids with pH $\leq$2.

South Coast Air Quality Management District

The online SCAQMD records (Facility Information Detail [FIND] database) were searched for sites at or adjacent to the subject site. Records were found for the subject site under 301 Tennessee Street and adjacent property to the west under 300 Kansas Street (SCAQMD, 2019). SCAQMD records for the subject site were also directly requested from the SCAQMD on October 2, 2019.

Online FIND records for the subject site are listed under La-Z-Boy West at 301 Tennessee Street. The facility is listed as active. The equipment list includes multiple permits for spray equipment ("spray equipment open" and "spray booth paint and solvent"). Also included are a drying oven, dip tank coating paint, paints drying, and degreaser methylene chloride. Permits for the listed equipment was issued from 1978 to 1991. There have been no reported Notice of Violation (NOV), but a handful of Notices to Comply (NTC) have been reported. The NTC occurred from April 2008 to May 2019, and are all shown as being in compliance. The reported NTC involved posting permits, providing material safety data sheets (MSDS) and VOC content of glue sprayed and wax MSDS, maintaining records, submitting compliance forms and fees, and operating equipment according to the conditions specified in the permit to operate.

On October 9, 2019, the SCAQMD provided digital records for the subject site. These records include permits for similar equipment as indicated above, dated in the time period from 1978 to 1991. Some of the spray equipment permits made reference to stain, glue, and lacquer. One of the two permits for degreasers from 1984 specified only 1,1,1-TCA, trichlorotrifluoroethane, methylene chloride, or a combination of these solvents was to be used as a cleaning solvent in the degreasing equipment. One of the permitted pieces of equipment, permitted in 1989, was an electrodeposition line that included a dip tank. The 1988 permit application for this equipment listed "Ransplate - Electro Deposition Plating", with the word "plating" crossed out and "painting" written next to it.

Under 300 Kansas Street, located adjacent to the west of the subject site, Uniroyal Tech Corp, Royalite Thermoplastics (UTCRT), Alchem Plastics Inc., Spartech Plastics (APISP), and Spartech Plastics Corp. are listed.

UTCRT is listed with a status that indicates the business was sold. The equipment list includes four extrusion systems (foam, plastic, and rubber) and six plastics and resins extruders, with permits from 1981 to 1997. A cancelled permit application from 1989 for cooling towers-hex chrome compliance is documented. There have been no NOV or NTC reported.

APISP is listed with an inactive status. The equipment list includes four extrusion systems (foam, plastic, and rubber), with permits from 2000. A cancelled permit application from 2004 for a foams plastics and rubber extruder is documented. There have been no NOV or NTC reported.

Spartech Plastics Corp. is listed with an active status and no equipment. There have been no NOV or NTC reported.

ENVIRONMENTAL DATABASE REVIEW

EDR was contacted to provide an environmental database search for the subject site. The database search provides information regarding landfills, USTs, hazardous waste generators, etc., at the subject site and surrounding properties in accordance with ASTM Standards and AAI. Numerous sites, including the subject site, were found in EDR's search of available government records within the respective search radii. A copy of the EDR database report, which provides a complete list of the federal, state, tribal, and proprietary records searched is provided in Appendix H.

CORRACTS

The United States Environmental Protection Agency (USEPA) maintains this database, which identifies hazardous waste handlers with RCRA corrective action activity. Teledyne Inc. Teledyne Battery, at 840 West Brockton Avenue, is listed in this database approximately 0.7 mile north-northeast of the subject site. This CORRACTS site is listed with numerous activities, dating from 1987 to 2012, including remedial feasibility investigation and assessment, control of the migration of contaminated groundwater, and control of human exposures. The facility at this site included storage battery manufacturing. No adverse environmental impact to the subject site is anticipated from this CORRACTS site, based on regulatory oversight and distance from the subject site.

RCRA-LQG

The RCRA-LQG (Large Quantity Generators) database includes selective information on sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. LQGs generate over 1,000 kilograms of hazardous waste or over 1 kilogram of acutely hazardous waste per month. One site, SCE Redlands Service Center at 287 Tennessee Street, located south of the subject site across West State Street, is listed twice in this database with no reported violations. Based on the lack of reported violations

and distance away, this RCRA-LQG site should have no adverse environmental impact to the subject site.

RCRA-SQG

RCRA-SQG (Small Quantity Generators) include sites that generate between 100 and 1,000 kg of hazardous waste per month. Eight sites are listed in the RCRA-SQG database within approximately 0.25 mile of the subject site. The only sites within approximately 0.1 mile are Spartech Plastics, Inc. adjacent to the west, Centrum Analytical Laboratories, located to the southeast beyond the intersection at Tennessee Street and West State Street, and Pioneer Consultants, located several hundred feet south of the subject site. All eight RCRA-SQG sites had no reported violations. The listed RCRA-SQG sites should have no adverse environmental impact to the subject site based on the lack of reported violations and/or distance away.

ENVIROSTOR

The California DTSC Site Mitigation and Brownfields Reuse Program's ENVIROSTOR database identifies sites that have known contamination or sites for which there may be reasons to investigate further. There are five sites listed in this database that are located greater than 0.4 mile from the subject site. Based on distance from the subject site and regulatory oversight, no adverse environmental impact to the subject site from these ENVIROSTOR sites is anticipated.

LUST

The SWRCB maintains a list of all leaking underground storage tanks (LUST) within the state. According to the SWRCB LUST database, there are two sites (one listed twice) over 0.1 mile from the subject site. Both of these LUST sites are listed with closed regulatory cases. None of these LUST sites should have an adverse environmental impact to the subject site, based on their closed regulatory case and distance from the subject site.

CPS-SLIC

The Cleanup Program Sites (CPS; also known as Site Cleanups and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) database is derived from the SWRCB online GeoTracker website, which is a data management system for sites that impact, or have the potential to impact with quality in California, with emphasis on groundwater. One site, Argon Fuel, is listed in this database, over 0.2 mile north of the

subject site. Argon Fuel is shown with site assessment under an open regulatory case. Based on the distance away and regulatory oversight, this CPS-SLIC site should have no adverse environmental impact to the subject site.

UST

The UST database is maintained by the SWRCB and lists all registered USTs. This database lists four sites, with only one, SCE-Redlands at 287 Tennessee Street, within 0.1 mile of the subject site. The SCE-Redlands site is located to the south of the subject site across West State Street. Only one of these sites, Redlands Corp. Yard at 1270 West Park Avenue, over 0.1 mile north-northwest of the subject site, has a reported release (LUST). These UST sites should generally have no adverse environmental impact to the subject site due to the distance away and/or closed regulatory case. However, the SCE-Redlands site is located within 100 feet of the subject site, and an unreported UST release could potentially impact the subject site, which is discussed under the **VAPOR ENCROACHMENT EVALUATION** section of this Phase I ESA report.

AST

The SWRCB maintains a list of aboveground storage tanks (ASTs). The data comes from their hazardous substance storage container database. One AST site, SCE-Redlands Service Center at 287 Tennessee Street, is listed twice. This AST site is listed with a total of 14,700 gallons of unspecified hazardous substance storage, but may include diesel fuel, transformer oil, and/or automotive-related hazardous materials and wastes, such as waste oil, motor oil, and automatic transmission fluid. Based on a lack of reported AST release and likely nature of hazardous substances stored, this AST site is not anticipated to have an adverse environmental impact to the subject site.

CERS HAZ WASTE

The CERS HAZ WASTE (California Environmental Protection Agency (Cal EPA) Regulated Site Hazardous Waste) database is a listing of sites in the Cal EPA Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA Large Quantity Hazardous Waste Generator programs. Thirteen sites are listed in the CERS HAZ WASTE database within 0.25 mile of the subject site. The only sites within approximately 0.1 mile of the subject site are Southern California Edison Redlands Service Center at 287 Tennessee Street, Broncs Towing Inc. at 380 Kansas Street, and Dutch Girl Cleaners at 414 Tennessee Street, Suite K. The SCE Redlands Service Center site,

located south of the subject site across West State Street, has no reported violations. The Broncs Towing, Inc. site, located approximately 120 feet north of the subject site across the Mission Zanja Creek flood control channel, is listed with multiple hazardous waste generator violations, including hazardous materials inventory and site map submittal insufficiencies. The Dutch Girl Cleaners site, located approximately 350 northeast of the subject site, is listed with multiple hazardous waste generator violations. Based on the distance away and/or lack of reported violations, the CERS HAZ WASTE sites should have no adverse environmental impact to the subject site.

SWEEPS UST

The Statewide Environmental Evaluation and Planning System (SWEEPS) database is an UST listing that was updated and maintained by a company contracted by the SWRCB. This database lists five sites within approximately 0.25 mile of the subject site. One of the six sites has a closed LUST regulatory case. The closest site is SCE at 287 Tennessee Street, south of the subject site across West State Street. This site is listed with one 10,000-gallon UST used for regular unleaded gasoline motor vehicle fuel. Based on the distance away, closed LUST regulatory case, and/or lack of reported release, the listed SWEEPS UST sites are generally not anticipated to have an adverse environmental impact to the subject site. However, the SCE site is located within 100 feet of the subject site, and an unreported UST release could potentially impact the subject site, which is discussed under the **VAPOR ENCROACHMENT EVALUATION** section of this Phase I ESA report.

HIST UST

The SWRCB maintains the Historical UST (HIST UST) list which contains active and inactive underground storage tank locations. This database lists six sites (two sites are listed twice) within approximately 0.25 mile of the subject site. The nearest HIST UST site to the subject site is SCE Redlands Service Center at 287 Tennessee Street, located to the south of the subject site across West State Street. This facility is listed with at least two USTs, one a 10,000-gallon unleaded gasoline tank, and the other an apparent waste tank of unreported capacity. The second closest site, Wesley Ray and Son, Inc. at 300 Tennessee Street, is located to the east of the subject site across Tennessee Street. This site is listed with a 500-gallon diesel tank and 1,000-gallon regular gasoline tank. Based on the distance away, regulatory oversight, and/or past offsite Phase II ESA by this firm, the listed HIST UST sites are generally not anticipated to have an adverse environmental impact to the subject site. However, the SCE Redlands Service Center site is located within 100 feet of the subject site, and an unreported UST release could potentially impact the subject site, which is discussed under the **VAPOR**

ENCROACHMENT EVALUATION section of this Phase I ESA report.

CA FID UST

The California Facility Inventory Database (FID) contains a historical listing of active and inactive UST locations from the SWRCB. The same five sites listed under the SWEEPS UST are listed in this database. This database does not provide specific information regarding USTs. Based on the distance away, closed LUST regulatory case, and/or lack of reported release, the listed CA FID UST sites are generally not anticipated to have an adverse environmental impact to the subject site. However, the SCE site is located within 100 feet of the subject site, and an unreported UST release could potentially impact the subject site, which is discussed under the **VAPOR ENCROACHMENT EVALUATION** section of this Phase I ESA report.

CERS TANKS

This database is a list of sites in the California Environmental Protection Agency Regulated Site Portal which fall under the Aboveground Petroleum Storage and UST regulatory programs. Three CERS TANKS sites are listed within 0.25 mile of the subject site. The only one of these three sites located within 0.1 mile is SCE Redlands Service Center at 287 Tennessee Street. This site is listed for aboveground petroleum storage with no reported violations. Based on the distance away, regulatory oversight, lack of reported release, and/or likely nature of hazardous substances stored aboveground, the listed CERS TANKS sites should have no adverse environmental impact to the subject site.

HMIRS

The Hazardous Materials Incident Report System (HMIRS) database contains hazardous material spill incidents reported to the United States Department of Transportation. The subject site, under 301 Tennessee Street, is listed in this database for an incident on February 14, 2018 involving a truck carrying diesel fuel that was involved in a vehicle accident, apparently on a freeway. The release of 133 gallons of diesel fuel was cleaned up. Based on the listed incident occurring offsite, nature of the release, and cleanup, there should be no adverse environmental impact to the subject site.

RCRA-NonGen

RCRAInfo is USEPA's comprehensive information system that includes selective information on sites which generate, transport, store, treat, and/or dispose of hazardous

waste as defined by RCRA. Non-Generators do not presently generate hazardous waste. Seventeen sites (two listed twice), including the subject site, are listed in this database, most of which are located over 0.1 mile from the subject site. The subject site, under La-Z-Boy at 301 Tennessee Street, is listed in this database as a transporter of hazardous waste with no reported violations. No information is provided regarding what types of past hazardous wastes were generated. The closest nearby site is SCE Redlands Service Center to the south across West State Street and Broncs Towing, Inc. approximately 120 feet to the north across the Mission Zanja Creek flood control channel. Neither of these two sites has reported violations. Based on the distance away and/or lack of reported violations, none of the listed RCRA-NonGen sites should have an adverse environmental impact to the subject site.

FINDS

The Facility Index System (FINDS), maintained by the USEPA, contains both facility information and 'pointers' to other sources that contain more detail. Two sites, including the subject site and SCE Redlands Service Center (listed three times), are listed in this database. The subject site, under La-Z-Boy West at 301 Tennessee Street, is listed in this database. The online link provided for this subject site listing in the EDR database report refers to seven information systems, including Emission Inventory System, National Pollutant Discharge Elimination System (NPDES), Occupational Safety and Health Administration (OSHA), Compliance and Emissions Data Reporting Interface, Toxics Release Inventory System, RCRA Information System, and California Enviroview. Most of these listed information systems have no additional links to information. The RCRA information provides no new information beyond that discussed above in the RCRA-NonGen subsection of this report. The NPDES information indicates the industrial storm water permitting has been terminated, the last inspection was conducted on March 21, 2018, and no violations were reported. The nearby SCE Redlands Service Center at 287 Tennessee Street is listed with associated RCRA and OSHA references. The RCRA reference is likely related to past hazardous waste generation. The FINDS sites listings do not appear to indicate any adverse environmental impact to the subject site.

The EDR Site Report™ with a link to the FINDS online database information for the subject site is provided within Appendix H.

ECHO

This USEPA database, Enforcement & Compliance History Information (ECHO), provides integrated compliance and enforcement information for about 800,000 regulated facilities

nationwide. Two sites, including the subject site and SCE Redlands Service Center (listed twice), are listed in this database. The subject site, under La-Z-Boy West at 301 Tennessee Street, is listed in this database. The online link provided for this subject site listing in the EDR database report leads to a "Detailed Facility Report", which includes various information, including some provided in the FINDS online database. Of note is "Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year" information which lists the compounds toluene and 1,1,1-trichloroethane, with no amounts of release shown for the years 2009 to 2018. No other information regarding these compounds is provided. No violations going back at least 3 years are shown for the subject site. The nearby SCE Redlands Service Center at 287 Tennessee Street has no reported violations and nothing else of particular note. The FINDS sites listings do not appear to indicate any adverse environmental impact to the subject site. However, the presence of toluene and 1,1,1-trichloroethane compounds may have caused onsite impacts. These potential impacts are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

The EDR Site Report™ with a link to the ECHO online database information for the subject site is provided within Appendix H.

DRYCLEANERS

This database is a list of drycleaner-related facilities that have EPA identification numbers. These are facilities with certain Standard Industrial Classification (SIC) codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; and laundry and garment services. One site, Dutch Girl Dry Cleaners & Laundry at 414 Tennessee Street, Suite K, is listed in this database twice. This drycleaner is located within a multi-tenant, light commercial complex, and is located approximately 350 feet northeast of the subject site. Based on the distance away and lack of reported release(s), this DRYCLEANERS site is not anticipated to have an adverse environmental impact to the subject site.

EMI

The Emissions Inventory Data (EMI) database includes toxics and criteria pollutant emissions data collected by the California Air Resources Board and local air pollution agencies. The subject site, under LaZBoy West at 301 Tennessee Street, is listed in the EMI database for the years 1987, 1990, and 1995 through 2001. The emissions listed include total organic hydrocarbon gases up to 56 tons per year and reactive organic gases

up to 41 tons per year. The amount of listed emissions decreased significantly after 1990. The relative high quantity of organic emissions suggest that significant quantities of organic compounds were present onsite, and may have had potential impacts. These potential impacts are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

ENF

The ENF database is a listing of SWRCB Enforcement Actions, including formal, which is everything except oral/verbal communication, Notice of Violation, expedited payment letter, and staff enforcement letter. The (SCE) Redlands Service Center at 287 Tennessee Street, located across West State Street to the south of the subject site, is listed in this database. This site is listed with an unspecified, illegal discharge that apparently took place or was discovered in April 2000. The listed unspecified, illegal discharge is not anticipated to have an adverse environmental impact to the subject site, as it likely occurred across the street at the SCE facility. Any potential soil vapor impacts to the subject site from the listed ENF site are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

HAZNET

This database includes facility and manifest data, which is extracted from the copies of hazardous waste manifests received each year by the DTSC. Two sites, both listed twice and including the subject site, are listed in the HAZNET database. The subject site is listed under La-Z-Boy and Hahan Contractors at 301 Tennessee Street. Hazardous waste manifest listings from 1984 to 2015 under La-Z-Boy include approximately 5 tons of halogenated solvents, approximately 5.09 tons of unspecified solvent mixture, approximately 2.96 tons of other organic solids, approximately 17.5 tons of liquids with halogenated organic compounds $\geq$1,000 mg/L, approximately 0.92 ton of oxygenated solvents, approximately 2.61 tons of other inorganic solid waste, approximately 2.93 tons of asbestos-containing waste, and 1.82 tons of off-specification, aged or surplus organics. A hazardous waste listing under Hahan Contractors from 2014 is for 0.4 ton of asbestos-containing waste. The other site listed in this database is SCE Redlands Service Center/Sunwest Engineering at 287 Tennessee Street, across West State Street to the south of the subject site. These sites have generated various hazardous wastes under numerous (greater than 100) manifests from 2003 to 2017, including paint sludge, waste oil and mixed oil, other organic solids, halogenated solvents, liquids with polychlorinated biphenyls (PCBs) $\geq$50 mg/L, unspecified oil-containing waste, unspecified solvent mixture, asbestos-containing waste, PCBs and material containing PCBs, other empty containers

30 gallons or more, biological waste other than sewage sludge, organic liquids with metals (alkaline solution (pH ≥12.5) with metals), off-specification, aged or surplus organics, aqueous solution with total organic residues 10 percent or more, sewage sludge, and tank bottom waste. Based on the nature and amounts of the reported hazardous wastes generated onsite and offsite at the nearby SCE facility, there may be potential impacts to the subject site. Potential impacts to the subject site from the listed HAZNET sites are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

The EDR Site Report™ with additional listed hazardous waste manifests for the subject site is provided within Appendix H.

HIST CORTESE

The historical Cortese (HIST CORTESE) list is a historical listing from the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (CALSITES). There are two sites listed in the HIST CORTESE database over 0.1 mile from the subject site, both with closed regulatory cases. Based on the distance away and closed LUST regulatory case, the listed HIST CORTESE sites should have no adverse environmental impact to the subject site.

HWP

This database is an ENVIROSTOR permitted facilities listing, which includes detailed information on permitted hazardous waste facilities and corrective action tracked in ENVIROSTOR. Two sites are listed in this database over 0.3 mile from the subject site. One of the two sites, Teledyne Battery Products at 840 West Brockton Avenue, was previously discussed under the CORRACTS subsection of this report. The second site, QA Processor Service at 302 Alabama Street, Suite 8, is listed as a non-operating hazardous waste facility. Based on regulatory oversight and/or distance from the subject site, the listed HWP sites should have no adverse environmental impact to the subject site.

NPDES

The NPDES database is maintained by the SWRCB, and is a listing of NPDES permits, including storm water. The subject site, under LaZBoy West at 301 Tennessee Street, is listed in this database under an industrial program, and is indicated to be an active facility with effective date of regulatory measure listed as July 27, 2018.

Based on the nature of the permitted storm water runoff for the subject site, no adverse environmental impact is anticipated.

San Bernardino County Permit

This database, maintained by the San Bernardino County Fire Department, Hazardous Materials Division, includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers. The subject site and twenty-nine sites (one listed twice) within approximately 0.25 mile of the subject site are listed in this database. The subject site, under La-Z-Boy West at 301 Tennessee Street, is shown with three permits, for handling hazardous materials (4-10 chemicals, expired in August 2019), for a conditionally exempt small quantity hazardous waste generator (expired in August 2015), and for an EPCRA facility (expired in August 2013). The adjacent property to the west of the subject site, located at 300 Kansas Street, is listed under SMI Modular Industries of CA with permits for handling hazardous materials (11-25, 26-50 employees) that expired in 2006 and 2010 and generating hazardous wastes (special generator) that expired in 2006. The SCE Redlands Service Center at 287 Tennessee Street, to the south of the subject site across West State Street, is listed with the following permits: handling hazardous materials (11-30 chemicals, expired in September 2019), APSA (Aboveground Petroleum Storage Act) 10,001-100,000 gallon facility capacity (expired in September 2019), super large quantity generator of hazardous materials (expired in September 2019), hazardous waste consolidation (expired in September 2017), EPCRA facility (expired in September 2013), universal waste handler with another CUPA (Certified Unified Program Agency) which expired in September 2013, and two regular UST annual inspection permits that expired in September 2009. Across Tennessee Street to the east of the subject site, Wesley Ray and Son, Inc. at 300 Tennessee Street is listed with a permit for handling hazardous materials (0-10 employees) which expired in May 2011. The remainder of the sites are listed primarily for generating hazardous waste and/or handling hazardous materials, and are mostly 0.1 mile away from the subject site. The onsite and nearby offsite handling of hazardous materials and generation of hazardous wastes may have impacted the subject site. Potential impacts to the subject site from the listed county permit sites are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

CIWQS

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of

environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities. The subject site, under LaZBoy West at 301 Tennessee Street, is listed in this database. This CIWQS listing for the subject site provides similar information as that discussed above in the NPDES subsection of this Phase I ESA report. Based on the nature of the permitted storm water runoff for the subject site, no adverse environmental impact is anticipated.

CERS

The CalEPA Regulated Site Portal (CERS) database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials. The subject site, under LaZBoy West at 301 Tennessee Street, and SCE Redlands Service Center at 287 Tennessee Street are listed in this database. The subject site is listed in this database for air emissions, chemical storage facility, and an industrial facility with storm water. Compliance evaluation inspections in 2014 and 2017 found no violations. The SCE Redlands Service Center is listed in this database for a chemical storage facility. Compliance evaluation inspections in 2015 and 2018 found no violations. Based on the lack of reported violations, the CERS sites listings do not indicate an adverse environmental impact to the subject site. However, the onsite and nearby offsite handling of hazardous materials and generation of hazardous wastes may have impacted the subject site. Potential impacts to the subject site from the listed county permit sites are discussed in other sections of this Phase I ESA report, including the **VAPOR ENCROACHMENT EVALUATION** section.

EDR MGP

This EDR proprietary Manufactured Gas Plant (MGP) database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800s to 1950s to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils, and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination. One site, So Cal Gas/Redlands

MGP, is listed in this database over 0.5 mile from the subject site. Based on the distance to this EDR MGP site from the subject site and regulatory oversight, there should be no adverse environmental impact to the subject site.

EDR Hist Auto

This EDR proprietary Historical Auto (Hist Auto) database includes records based on EDR's search of selected national collections of business directories, and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. There is one site listed in this proprietary EDR database, located at 446 Tennessee Street, approximately 0.1 mile north-northeast of the subject site. This site is listed with Auto Analysts in 1992 through 2001 and MG Transmission PHX in 2011 through 2014. Based on the distance away and lack of reported release and/or open regulatory case, the EDR Hist Auto site should pose no adverse environmental impact to the subject site.

EDR US Hist Cleaner

This EDR proprietary United States Historical Cleaners (US Hist Cleaners) database includes records based on EDR's search of selected national collections of business directories, and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. One site is listed at 414 Tennessee Street, approximately 350 feet northeast of the subject site. This site is listed with Dutch Girl Laundry & Cleaners in 2003 through 2014. Based on the distance away and lack of reported release(s), this EDR US Hist Cleaner site is not anticipated to have an adverse environmental impact to the subject site.

Orphan Summary

The Orphan Summary within the EDR database report, which is a list of all sites whose location is not readily identified (mapped), and may be near the subject site, was reviewed. The subject site and adjoining properties are not listed in the Orphan Summary.

Other Databases

California Division of Oil, Gas, and Geothermal Resources

The California Division of Oil, Gas, and Geothermal Resources (DOGGR) maintains a list of all producing and abandoned oil and gas wells within the State of California. We reviewed the online DOGGR Well Finder, which indicates no abandoned or producing gas and/or oil wells have been located within one mile of the subject site (California Division of Oil, Gas, and Geothermal Resources, 2019).

VAPOR ENCROACHMENT EVALUATION

As part of this Phase I ESA, a Vapor Encroachment Screen (VES) was conducted to determine if a vapor encroachment condition (VEC) exists, based on the information obtained during the Phase I ESA. A VEC is the presence or likely presence of chemicals of concern (COC) vapors in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater either on or near the target property (i.e., subject site).

Vapor Encroachment Screen

A VES, comprised of Tier 1 and Tier 2 (non-invasive and invasive) screening, was conducted by this firm for the subject site. The VES was conducted in general accordance with the Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, ASTM E2600-15. Although not required to satisfy the requirements of the Phase I ESA under ASTM E1527-13, ASTM E2600-15 was chosen as a methodology to evaluate potential contaminant vapor concerns at or adjoining the subject site.

The subject site is currently a recently vacated La-Z-Boy manufacturing facility, the original portion of which was constructed in the mid 1960s. The subject site historical usage prior to the mid 1960s included an agricultural grove and associated structures, including a residence and garage. The site is located in a mixed commercial, industrial, and residential

area. The subject site and surrounding area are anticipated to be underlain primarily by interbedded sands, silty sands, and silts with varying amounts of clays, gravels, and cobbles. Based on the local geology and hydrogeology, groundwater beneath the subject site, anticipated to be over 150 feet bgs, is not considered to be a likely source of vapor intrusion into the subject site.

Based on the results of Tier 1 screening, utilizing the EDR Radius Map™ Report with GeoCheck® and research of the history of the subject site and adjoining properties, there are two sites within 0.33 mile of the subject site with current and/or former potential sources of soil vapor intrusion or encroachment, such as leaking (current or former) USTs, dry cleaners, etc. Based on ASTM E2600-15 methodology, utilizing regulatory database listings, these sites include the subject site (RCRA-NonGen site) and Argon Fuel (CPS-SLIC site) at 1205/1255 (West) Redlands Boulevard. The subject site, which had past use as a furniture manufacturer, included the generation of solvent wastes, including halogenated solvent wastes. Adjoining properties, including the Southern California Edison site to the south across West State Street and former plastics manufacturer adjacent to the west of the subject site have either historical USTs and/or solvent hazardous waste generation. Based on the results of the VES, Tier 1 screening, a VEC at the subject site could not be ruled out.

Under VES, Tier 2 screening (non-invasive), using the critical distance determination, the Argon Fuel site, located over 100 feet from the subject site, can be ruled out. Based on the results of the Tier 2 screening (non-invasive), a VEC at the subject site could not be ruled out.

Under VES, Tier 2 screening (invasive), a recent Phase II ESA was conducted onsite, including the installation and sampling of thirty-four (34) shallow (3 to 5 feet bgs) soil vapor probes. These soil vapor probe locations were placed at select locations, including along the south and west subject site boundaries, within all three onsite buildings, and near onsite Building 3. The soil vapor probe locations in the south portion of onsite Building 1 and along the south subject site boundary had no reportable concentrations of TPH-G and VOCs, as did most of the soil vapor probes along the west subject site boundary, except for the one (SVP-13) closest to Building 2. The remaining probes had concentrations of chlorinated VOCs, including chloroform, cis-1,2-dichloroethene, 1,1-dichloroethane, 1,1-dichloroethene, tetrachloroethene (PCE), 1,1,1-trichloroethane, and trichloroethene (TCE). Due to the reported concentrations of these compounds in soil vapor samples, the client had indoor air sampling performed onsite. The results of the laboratory analysis of this indoor air sampling included concentrations of PCE and TCE that exceeded DTSC screening levels for commercial/industrial indoor air (DTSC, 2019a). The soil vapor

analytical results associated with the recent Phase II ESA are discussed in more detail in the **PHASE II ESA** section of this report. The indoor air analytical results associated with the indoor air sampling are discussed in more detail in the **USER PROVIDED INFORMATION** section of this report. Based on the results of the Tier 2 screening (invasive), a VEC exists at the subject site.

DATA GAPS

Under AAI and ASTM E1527-13, data gaps that remain after the conduct of all required activities must be identified. The source of information consulted to address the data gaps should be identified, and the significance of the data gaps with respect to our ability to identify conditions indicative of releases or threatened release of hazardous substances on, at, in, or to the property should be addressed.

There are no significant data gaps remaining after our conduct of AAI and ASTM E1527-13.

PHASE II ESA

Based on the past historical onsite uses, including agricultural from at least the 1930s to mid 1960s and industrial use (La-Z-Boy manufacturing facility) from the mid 1960s to 2019, a Phase II ESA was performed in conformance with ASTM E1903-11. Locations of current and past onsite features were used to guide the locations of soil borings and soil vapor probes to assess potentially impacted subsurface soil and soil vapor.

Color photographs taken during soil boring advancement and soil sampling, soil vapor probe installation, and soil vapor sampling and analysis activities are provided within Appendix I.

Soil Boring Advancement and Soil Vapor Probe Installation

Over three working days prior to field sampling activities, a visit was made to mark the subject site for Underground Service Alert of Southern California (USA), who was notified of planned boring activity to identify public subsurface utilities. In addition, the client and property owner were also notified in advance of planned onsite activities.

On October 29, 2019, geophysical survey activities were conducted onsite to clear planned boring/soil vapor probe locations which were to be advanced with power tools or heavy equipment. The survey was conducted by Mr. Donn Schwartzkopf, a licensed geophysicist.

Devices used during the during included a ground-penetrating radar and utility locator. All of the cleared boring locations were marked by Mr. Schwartzkopf with marking paint.

On October 28 and 29, 2019, shallow soil sampling was conducted by hand. A hand auger was used to excavate up to approximately 1 to 1.5 feet bgs to collect soil samples at SS-5 through S-11. Soil sample locations SS-5 through SS-7 were placed to evaluate potential impacts from the offsite, former main railway line within West State Street. Soil sample locations SS-8 through SS-11 were to evaluate potential impacts from the former onsite agricultural grove. The soil sample locations SS-5 through S-11 are shown on a recent color aerial photograph, Figure 4.

On November 6, 7, and 8, 2019, Optimal Technology was contracted to advance thirty-four 3- to 5-foot soil vapor probes, SVP-1 through SVP-34. These probes were installed to collect soil vapor samples to evaluate potential impacts from past or recent onsite and offsite activities. Most of the probes were advanced to approximately 5 feet bgs, with a handful advanced to depths ranging from approximately 3 to 4 feet bgs, due to difficulties encountered with advancement and/or soil vapor flow extraction with a vacuum pump. Optimal Technology utilizes a van with mobile laboratory inside and hydraulic push rig at the front. All probe borings were initially advanced with a rotary hammer drill to roughly 2 feet bgs, as a pilot hole. A stainless steel, 7/8-inch outer-diameter soil vapor probe was then advanced to approximately 4 to 5 feet bgs, either with the van-mounted hydraulic push or by hand with a rotary hammer. The probe boreholes were sealed around the soil vapor probe with hydrated bentonite granules. Soil samples SS-2 through SS-4 were collected at soil vapor probe locations SVP-2 through SVP-4, respectively. These soil samples were collected to evaluate potential impacts from the former railroad spur track and/or fill materials along the south side of the original portion of Building 1, near the north side of the 1986 addition to Building 1. Soil samples were collected at each location at approximately 1, 1.5, 3.5, and 4 feet bgs. No evidence of soil contamination, such as odor or staining, was noted. The soil boring/vapor probe locations are shown on a recent color aerial photograph, Figure 5.

Soil Sampling and Analytical Procedures

The soil samples collected by hand were obtained directly into clean, laboratory-supplied 4-ounce glass jars with Teflon®-lined screw lids. Following sample collection, the jars were labeled with the sample identification (number/location/depth) and time and date of sampling.

Soil samples collected during soil vapor probe advancement were obtained in driven approximate 8-inch long, 5/8-inch diameter stainless steel sleeves, which were sealed with Teflon® sheets and plastics caps immediately following sample collection. The sample sleeves were labeled with sample identification (number/location/depth) and date and time of sampling.

All soil samples were placed on ice for transport to the laboratory for analysis. The samples were transported under Chain-of-Custody (CoC) to A & R Laboratories, Inc. (A & R), a state-certified hazardous waste testing laboratory in Ontario, California. Upon delivery of the samples to the laboratory for analysis, the CoC form was signed by authorized personnel, and a copy was retained by LOR personnel.

The quality assurance/quality control (QA/QC) program in effect during the performance of all field activities included the following items:

- Complete documentation of all field activities.
- Use of appropriate CoC forms.
- Use of clean sampling equipment.
- Sampling according to generally accepted protocols.

The 1- and 3.5-foot soil samples collected at SS-2 through SS-4 were analyzed for extractable oil- and diesel-range (fuel screen) hydrocarbons (TPH-FS) using USEPA Method 8015B, semi-volatile organic compounds (SVOCs) using USEPA Method 8270C, and organochlorine pesticides (OCPs) using USEPA Method 8081A.

The 1.5- and 4-foot soil samples collected at SS-2 through SS-4 were analyzed for California Title 22 metals (total) using USEPA Methods 6020 and 7471A.

Soil samples SS-5 through SS-7 were analyzed for TPH-FS using USEPA Method 8015B, SVOCs using USEPA Method 8270C, and California Title 22 heavy metals (total) using USEPA Methods 6020 and 7471A.

Soil samples SS-8 through SS-11 were analyzed for OCPs using USEPA Method 8081A and total arsenic using USEPA Method 6020.

Soil Vapor Sampling and Analytical Procedures

The soil vapor samples plus three duplicate samples were collected from the thirty-four soil vapor probes following advancement/installation. Optimal Technology personnel collected

the soil vapor samples and analyzed them in general accordance with the Advisory - Active Soil Gas Investigations (California Environmental Protection Agency et al., 2015). At each sampling location, an electric vacuum pump, set to draw 0.2 liters per minute of soil vapor, was attached to the probe, and purged 3 volumes prior to sample collection. Soil vapor samples were obtained in gas-tight syringes. Samples were immediately injected into the gas chromatograph after collection. New tubing was used at each sampling point to prevent cross contamination. All nine of the soil vapor samples collected were analyzed for TPH-G and VOCs using USEPA Method 8260B.

Laboratory Analytical Results

The 1- and 3.5-foot soil samples collected at SS-2 through SS-4 had no reportable concentrations of TPH-FS and SVOCs. Concentrations of the OCPs dieldrin and DDT (4,4'-dichlorodiphenyltrichloroethane) were reported up to 0.0050 mg/kg and 0.0061 mg/kg, respectively.

The 1.5- and 4-foot soil samples collected at SS-2 through SS-4 had reportable concentrations of heavy metals (total), including arsenic up to 8.87 mg/kg, barium up to 54.6 mg/kg, chromium up to 70.7 mg/kg, cobalt up to 7.98 mg/kg, copper up to 21.3 mg/kg, lead up to 12.6 mg/kg, nickel up to 29.9 mg/kg, vanadium up to 34.6 mg/kg, and zinc up to 937 mg/kg.

The 1- to 1.5-foot soil samples collected at SS-5 through SS-7 had no reportable concentrations of TPH-FS and SVOCs. Reportable concentrations of heavy metals (total) include arsenic up to 2.26 mg/kg, barium up to 51.9 mg/kg, chromium up to 15.0 mg/kg, cobalt up to 6.69 mg/kg, copper up to 14.6 mg/kg, lead up to 7.30 mg/kg, nickel up to 9.64 mg/kg, vanadium up to 31.1 mg/kg, and zinc up to 52.7 mg/kg.

The 1-foot soil samples collected at SS-8 through SS-11 had reportable concentrations of the OCPs chlordane up to 0.022 mg/kg, DDE (4,4'-dichlorodiphenyldichloroethene) up to 0.0098 mg/kg, dieldrin up to 0.0043 mg/kg, and heptachlor epoxide up to 0.0050 mg/kg. Concentrations of total arsenic were reported up to 1.87 mg/kg. However, soil samples SS-10 and SS-11 were reported as non-detect for arsenic at laboratory reporting limits ranging from 4.98 to 5.03 mg/kg. The laboratory analytical report prepared by Eurofins Calscience, LLC, the analytical laboratory that A & R subcontracted to perform the arsenic analysis by USEPA Method 6020, indicates there were sample matrix effects on the internal standard requiring sample dilution. As arsenic often exceeds the regulatory soil screening levels, local background concentrations are used to evaluate potential soil impacts.

The elevated laboratory reporting limits for arsenic, around 5 mg/kg, are higher than the expected local background range under 4 mg/kg.

The analytical laboratory reports for the soil samples are provided in Appendix J. Soil sample summary analytical results for California Title 22 heavy metals (total) and OCPs are presented in Tables 1 and 2, respectively.

Most of the thirty-seven (37) soil vapor samples collected and analyzed, including three duplicates, had reportable concentrations of VOCs, with no reportable concentrations of TPH-G. The locations with reportable VOCs were generally located in the north portion of Building 1, within Buildings 2 and 3, and near Building 3. The reportable concentrations of VOCs include chloroform up to 0.22 µg/L, cis-1,2-dichloroethene up to 1.65 µg/L, 1,1-dichloroethane up to 58.71 µg/L, 1,1-dichloroethene up to 22.54 µg/L, tetrachloroethene up to 1.51 µg/L, 1,1,1-trichloroethane up to 1,054.42 µg/L, and trichloroethene up to 37.33 µg/L.

The analytical laboratory reports for the soil vapor samples are provided in Appendix K. Soil vapor sample summary analytical results for TPH-G and VOCs are presented in Table 3.

CONCLUSIONS AND RECOMMENDATIONS

Based on the age of the onsite buildings, lead-based paint (LBP) and/or asbestos-containing materials (ACM) may be present. As the onsite buildings will remain, no demolition is planned. However, modification of or addition to the onsite buildings will likely require a LBP and ACM survey to identify any affected building materials. The LBP and ACM survey should be conducted in accordance with the regulatory agencies having jurisdiction.

Based on the past historical onsite uses dating back to at least 1930, including agricultural grove and industrial use (furniture manufacturing), a Phase II ESA was performed. Thirty-four (34) soil vapor probe locations (SVP-1 through SVP-34), with 3- to 5-foot probes, were placed at current and past onsite features to assess potentially impacted subsurface soil vapor. Coincident with three of these locations (SVP-2 through SVP-4), soil samples (SS-2 through SS-4) were collected at multiple depths to assess potentially impacted subsurface soils along a former railroad spur track and/or fill materials along the south side of the original portion of Building 1 to a maximum depth of approximately 4 feet below ground surface (bgs). Three soil samples (SS-5 through SS-7) were collected at 1- to 1.5-foot depths to evaluate potential impacts from the offsite main railroad line within

West State Street. Four soil samples (SS-8 through S-11) were collected at approximate 1-foot depths to evaluate potential pesticide impacts from past agricultural activities.

The 1- and 3.5-foot soil samples collected at SS-2 through SS-4 had no reportable concentrations of extractable oil- and diesel-range (fuel screen) hydrocarbons (TPH-FS) and semi-volatile organic compounds (SVOCs). Concentrations of the organochlorine pesticides (OCPs) dieldrin and DDT (4,4'-dichlorodiphenyltrichloroethane) were reported up to 0.0050 milligrams per kilogram (mg/kg) and 0.0061 mg/kg, respectively. The 1.5- and 4-foot soil samples collected at SS-2 through SS-4 had reportable concentrations of heavy metals (total), including arsenic up to 8.87 mg/kg, barium up to 54.6 mg/kg, chromium up to 70.7 mg/kg, cobalt up to 7.98 mg/kg, copper up to 21.3 mg/kg, lead up to 12.6 mg/kg, nickel up to 29.9 mg/kg, vanadium up to 34.6 mg/kg, and zinc up to 937 mg/kg. The 1- to 1.5-foot soil samples collected at SS-5 through SS-7 had no reportable concentrations of TPH-FS and SVOCs. Reportable concentrations of heavy metals (total) include arsenic up to 2.26 mg/kg, barium up to 51.9 mg/kg, chromium up to 15.0 mg/kg, cobalt up to 6.69 mg/kg, copper up to 14.6 mg/kg, lead up to 7.30 mg/kg, nickel up to 9.64 mg/kg, vanadium up to 31.1 mg/kg, and zinc up to 52.7 mg/kg. The 1-foot soil samples collected at SS-8 through SS-11 had reportable concentrations of the OCPs chlordane up to 0.022 mg/kg, DDE (4,4'-dichlorodiphenyldichloroethene) up to 0.0098 mg/kg, dieldrin up to 0.0043 mg/kg, and heptachlor epoxide up to 0.0050 mg/kg. Concentrations of total arsenic were reported up to 1.87 mg/kg. However, soil samples SS-10 and SS-11 were reported as non-detect for arsenic at laboratory reporting limits ranging from 4.98 to 5.03 mg/kg. These elevated reporting limits were due to sample matrix effects on the laboratory internal standard requiring sample dilution. As arsenic often exceeds the regulatory soil screening levels, local background concentrations are used to evaluate potential soil impacts. The elevated laboratory reporting limits for arsenic, around 5 mg/kg, are higher than the expected local background range under 4 mg/kg. All of the reported concentrations of OCPs are less than the California DTSC soil screening levels for residential and commercial/industrial soils (DTSC, 2019a). The reported concentrations of California Title 22 heavy metals (total) are generally less than the California DTSC soil screening levels for residential and commercial/industrial soils or within the expected background ranges, with the exception being a reported concentration of arsenic at 8.87 mg/kg in the 1.5-foot sample at SS-3.

Twelve (SVP-1 through SVP-12) of the thirty-four (34) soil vapor probe locations were non-detect for total petroleum hydrocarbons as gasoline (TPH-G) and VOCs. The remaining twenty-two (SVP-13 through SVP-34) soil vapor probe locations had concentrations of multiple chlorinated VOCs reported, including chloroform up to 0.22 micrograms per liter (µg/L), cis-1,2-dichloroethene (cis-1,2-DCE) up to 1.65 µg/L,

1,1-dichloroethane (1,1-DCA) up to 58.71 µg/L, 1,1-dichloroethene (1,1-DCE) up to 22.54 µg/L, tetrachloroethene (PCE) up to 1.51 µg/L, 1,1,1-trichloroethane (1,1,1-TCA) up to 1,054.42 µg/L, and trichloroethene (TCE) up to 37.33 µg/L. The soil vapor probe locations in Buildings 1 and 2 generally were reported with only PCE and TCE, with multiple VOCs reported at the soil vapor probe locations at and near Building 3. The highest reported concentrations of VOCs were at soil vapor probe SVP-20, located at the estimated location of the former subsurface collection trap for fire suppression water.

Due to the onsite soil vapor concentrations reported above, the client had air sampling performed. CEHSC collected eleven onsite air samples, including one outdoor air sample (SC1) and ten indoor air samples (SC2 through SC11). Two of the indoor air samples (SC2 and SC3) were collected in onsite Building 2 and the remaining eight indoor air samples (SC4 through SC11) were collected in onsite Building 1. The outdoor air sample had reportable concentrations of ethanol at 7.6 micrograms per cubic meter (µg/m^3), benzene at 0.47 µg/m^3, carbon tetrachloride at 0.63 µg/m^3, and naphthalene at 0.39 µg/m^3. The reported outdoor air concentrations of benzene and naphthalene exceed the DTSC screening levels for residential and commercial/industrial air (DTSC, 2019a). The reported outdoor air concentration of carbon tetrachloride falls between the DTSC screening levels for residential and commercial/industrial air. The two indoor air samples from Building 2 had reported concentrations of ethanol up to 6.7 µg/m^3, benzene up to 0.51 µg/m^3, carbon tetrachloride up to 0.65 µg/m^3, chloroform at 0.14 µg/m^3, naphthalene up to 0.37 µg/m^3, and TCE up to 0.17 µg/m^3. The reported concentrations of benzene and naphthalene in Building 2 air samples exceed the DTSC screening levels for residential and commercial/industrial air. The reported concentrations of carbon tetrachloride and chloroform in Building 2 air fall between the DTSC screening levels for residential and commercial/industrial air. The eight indoor air samples from Building 1 had reported concentrations of ethanol up to 13 µg/m^3, trichlorofluoromethane (Freon 11) up to 24 µg/m^3, acetone up to 10 µg/m^3, 1,1,1-TCA up to 22 µg/m^3, benzene up to 0.65 µg/m^3, carbon tetrachloride up to 0.81 µg/m^3, chloroform up to 0.23 µg/m^3, 1,4-dichlorobenzene up to 0.17 µg/m^3, 1,2-DCA up to 0.14 µg/m^3, 1,2-dichloropropane up to 0.12 µg/m^3, naphthalene up to 0.42 µg/m^3, PCE up to 32 µg/m^3, TCE up to 4.0 µg/m^3, and 1,1-DCA up to 2.8 µg/m^3 (estimated value exceeding the laboratory calibration range). The reported concentrations of benzene, carbon tetrachloride, chloroform, 1,2,-DCA, naphthalene, PCE, TCE, and 1,1-DCA in Building 1 air samples exceed the DTSC screening levels for residential and/or commercial/industrial air.

There are numerous sites listed in environmental regulatory and proprietary databases within 1 mile of the subject site, including the subject site. Based on our research, Vapor Encroachment Screen (utilizing ASTM E2600-15), Phase II ESA findings, and indoor air

sampling performed by Citadel Environmental Health and Safety Consultants, a vapor encroachment condition exists at the subject site.

We have performed a Phase I ESA in conformance with ASTM E1527-13 and AAI set forth in 40 CFR Part 312, along with a concurrent Phase II ESA in conformance with ASTM E1903-11, for the former La-Z-Boy West Facility located at 301 Tennessee Street in Redlands, California. This Phase I and II ESA has revealed no evidence of recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), or controlled recognized environmental conditions (CRECs) indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject site, except for the following:

- Past subsurface soil investigation by RMT in 1994 revealed concentrations of trace chlorinated VOCs within the upper 30 feet in the north central portion of the subject site near or in the general vicinity of a former collection trap (seepage pit) for fire suppression water. Based on the concentrations reported, the chlorinated VOCs are an HREC. However, the lateral and vertical extent of chlorinated VOCs was not assessed.

- Past manufacturing use of the subject site has involved the use of chlorinated solvents, including 1,1,1-TCA is a REC. The recently conducted Phase II ESA has identified the presence of impacted, shallow subsurface soil vapor within the central and north portions of the subject site. Recently conducted indoor air sampling indicated concentrations of VOCs exceeding DTSC screening levels for residential and/or commercial/industrial air.

- Soil sampling was conducted during the recent Phase II ESA to evaluate past agricultural grove and railroad track usage, including an onsite spur track. Elevated concentrations of some California Title 22 heavy metals (total) were reported, including arsenic, chromium, nickel, and zinc, is a REC. However, these concentrations are generally less than the California DTSC soil screening levels for residential and commercial/industrial soils or within expected background ranges, with the exception being a reported concentration of arsenic at 8.87 mg/kg in the 1.5-foot sample at SS-3. This isolated concentration of arsenic is not anticipated to have a significant impact to the subject site.

The onsite, impacted subsurface soil and soil vapor by VOCs represents both responsible party liability for cleanup and health risk concerns. To determine the lateral and vertical extent of impacted soil and soil vapor, additional Phase II ESA would be needed.

Depending on the extent of impacted soil and soil vapor and/or other impacted media, potentially including groundwater, regulatory agency oversight may be warranted. Based on the recent indoor air sampling analytical results, CEHSC, who performed the indoor air sampling, recommended that interim engineering controls for indoor air be implemented, including increasing ventilation rates and installing air scrubbers, while a more comprehensive remediation plan is developed. As a result of these recommendations to address the onsite impacts to subsurface soil vapor and indoor air, it is our understanding that the client has solicited proposals from CEHSC and other consultants to implement subsurface slab depressurization and/or soil vapor extraction through vertical wells to prevent vapor intrusion into the onsite buildings and possibly affect sufficient remediation to negate the future need to operate and maintain a vapor extraction system for subsurface slab depressurization. We recommend no occupation of the onsite buildings until sufficient control of indoor air has been established, including concentrations of VOCs less than DTSC screening levels for commercial/industrial (indoor) air.

STATEMENT OF QUALIFICATIONS

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. John Leuer is the President of LOR Geotechnical Group, Inc., founded in 1988. As a cofounder and President of the company, Mr. Leuer has managed LOR through hundreds of Phase I Environmental Site Assessments, as well as numerous Phase II Environmental Site Assessments and remediation projects, primarily remedial excavation. Mr. Leuer has over 36 years experience in the geotechnical and environmental fields. Mr. Leuer has substantial experience coordinating projects for many city, county and state agencies, as well as in the public sector, gaining a reputation for being responsive to clients needs while providing strong technical expertise. LOR Geotechnical Group, Inc. is one of three firms that previously provided report review for underground storage tank closure for the County of San Bernardino, Fire Department Hazardous Materials Division.

Mr. Leuer holds a B.S. in Civil Engineering from Cal State University at Northridge. He is a registered Geotechnical and Civil Engineer in the State of California. Mr. Leuer is a member of the American Society of Civil Engineers.

Mr. Mathew L. Hunt has over 20 years experience in the environmental field. Mr. Hunt works under LOR Geotechnical Group's environmental operations and has conducted over

350 Phase I Environmental Site Assessments for the private and public sectors. The properties have ranged from agricultural to residential to commercial/industrial. In addition to his experience with environmental assessments for property transfers, he has worked on projects that require mitigation prior to development. Mr. Hunt is well versed in hazardous waste sampling and characterization methodologies in soil and groundwater regimes for groundwater monitoring, site assessment, and site remediation. Projects have ranged from leaking USTs at gasoline stations to commercial and government (including Superfund/CERCLA sites) projects involving metals, perchlorate, and solvents.

Mr. Hunt has a B.S. in soil science from California Polytechnic State University, San Luis Obispo and a M.S. in soil and water science from the University of California, Riverside.

LIMITATIONS

This report was prepared solely for the use and benefit of LOR's client, NYS New, LLC, and their designates, including NYS, LLC. They may release this information to third parties, who may use and rely upon this information at their discretion. However, any use of or reliance upon this information by a party other than NYS New, LLC and their designates, shall be solely at the risk of such third party and without legal recourse against LOR Geotechnical Group, Inc.; its subsidiaries and affiliates; or their respective employees, officers, or directors; regardless of whether the action in which recovery of damages is sought is based upon contract, statute, or otherwise.

The content and conclusions provided by LOR in this assessment are based on information collected during our investigation, which may include, but is not limited to, visual site inspections, interviews with the site owner, regulatory agencies and other pertinent individuals, a review of available public documents, and our professional judgement based on said information at the time of preparation of this document. Any subsurface samples results and observations presented herein are considered to be representative of the area of investigation; however, soil conditions may vary between sample locations and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which may vary from these findings, the newly-revealed conditions must be evaluated and may invalidate the conclusions of this report.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. LOR Geotechnical Group, Inc. (LOR) is not responsible for the accuracy of information provided by other individuals or entities which is used in this report. This report presents our professional judgement based upon data

and findings identified in this report, and the interpretation of such data based upon our experience and background, and no warranty, either expressed or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

TIME LIMITATIONS

The findings of this report are valid as of this date. Changes in the condition of a property can, however, occur with the passage of time, whether they be due to natural processes or the work of man on this or adjacent properties. In addition, changes in the Standards-of-Practice and/or Governmental Codes may occur. Due to such changes, the findings of this report may be invalidated wholly or in part by changes beyond our control. Therefore, this report should not be relied upon after a significant amount of time without a review by LOR, verifying the suitability of the conclusions and recommendations. Based on ASTM E1527-13 and AAI, certain components of this report are no longer valid after 180 days of their being performed, including interviews, visual inspection of the subject property and adjoining properties, and review of federal, tribal, state, and local government records. Once this 180-day period has expired, this report should be updated or revised to meet the requirements for continued viability under the ASTM and AAI standards.

CLOSURE

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR part 312.

We appreciate this opportunity to be of service and trust this report provides the information desired at this time. Should questions arise, please do not hesitate to contact this office.

Respectfully submitted,
LOR Geotechnical Group, Inc.

Mathew L. Hunt
Environmental Scientist



John P. Leuer, CE 34996
President

MLH:JPL\ss

Distribution: Addressee (1) and PDF via email: vburgess@esri.com

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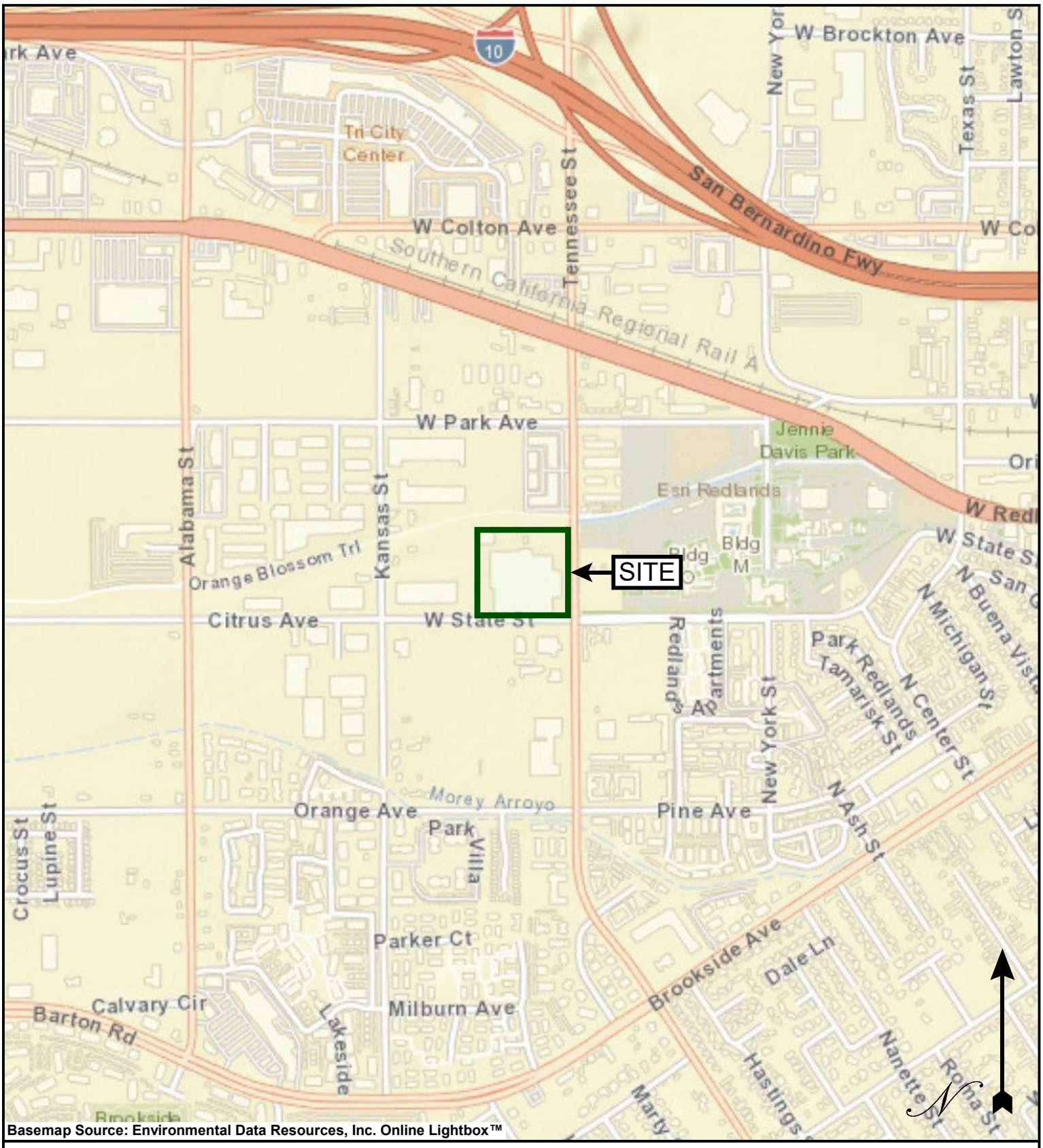
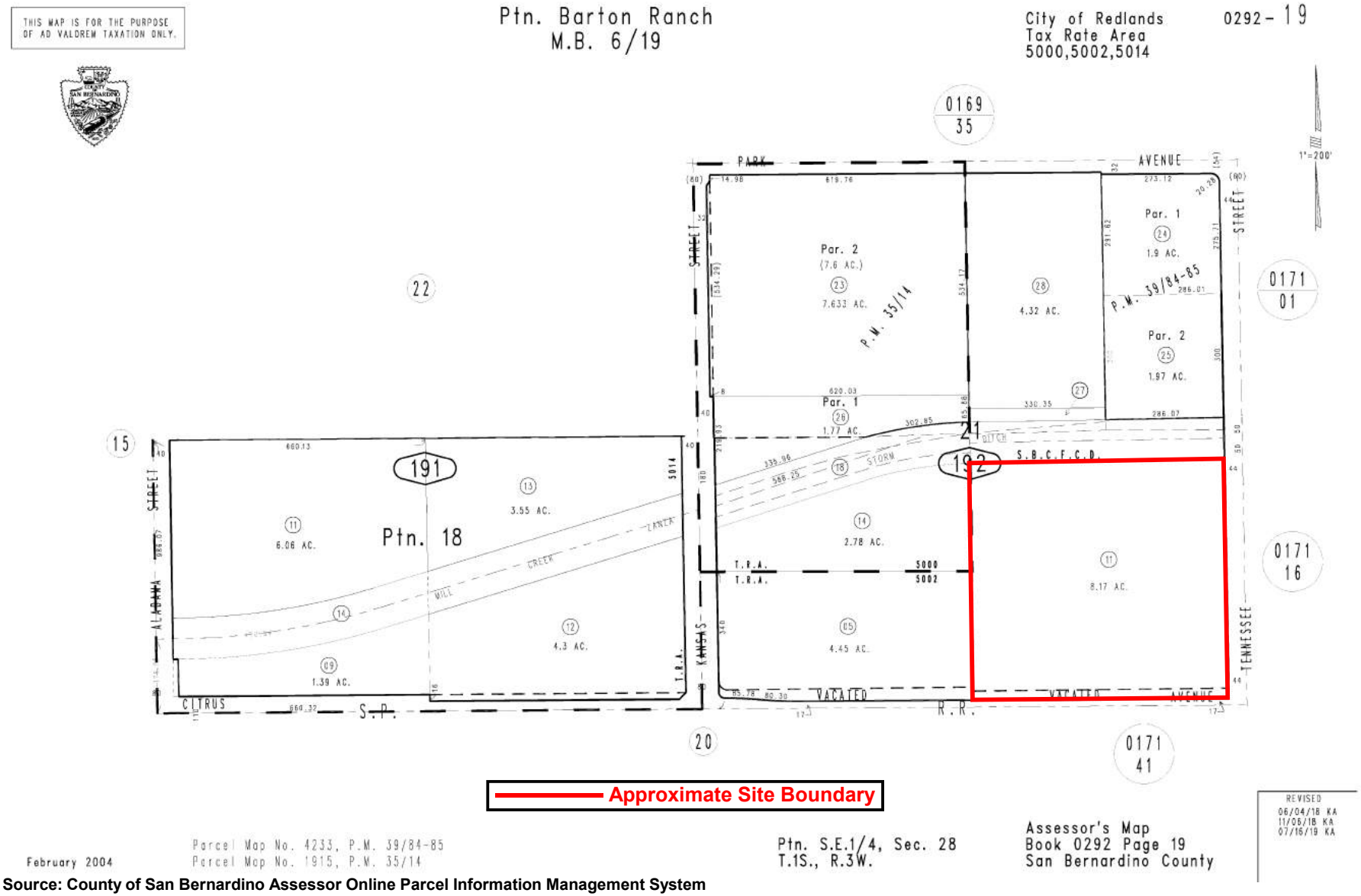
FIGURES



Basemap Source: Environmental Data Resources, Inc. Online Lightbox™

INDEX MAP

PROJECT:	FORMER LA-Z-BOY WEST FACILITY, 301 TENNESSEE STREET, REDLANDS, CA	PROJECT NO.:	13586.2
CLIENT:	NYS NEW, LLC	FIGURE:	1
LOR Geotechnical Group, Inc.		DATE:	JANUARY 2020
		SCALE:	1" ~ 900'



Basemap Source: County of San Bernardino Assessor Online Parcel Information Management System

ASSESSOR'S PARCEL MAP

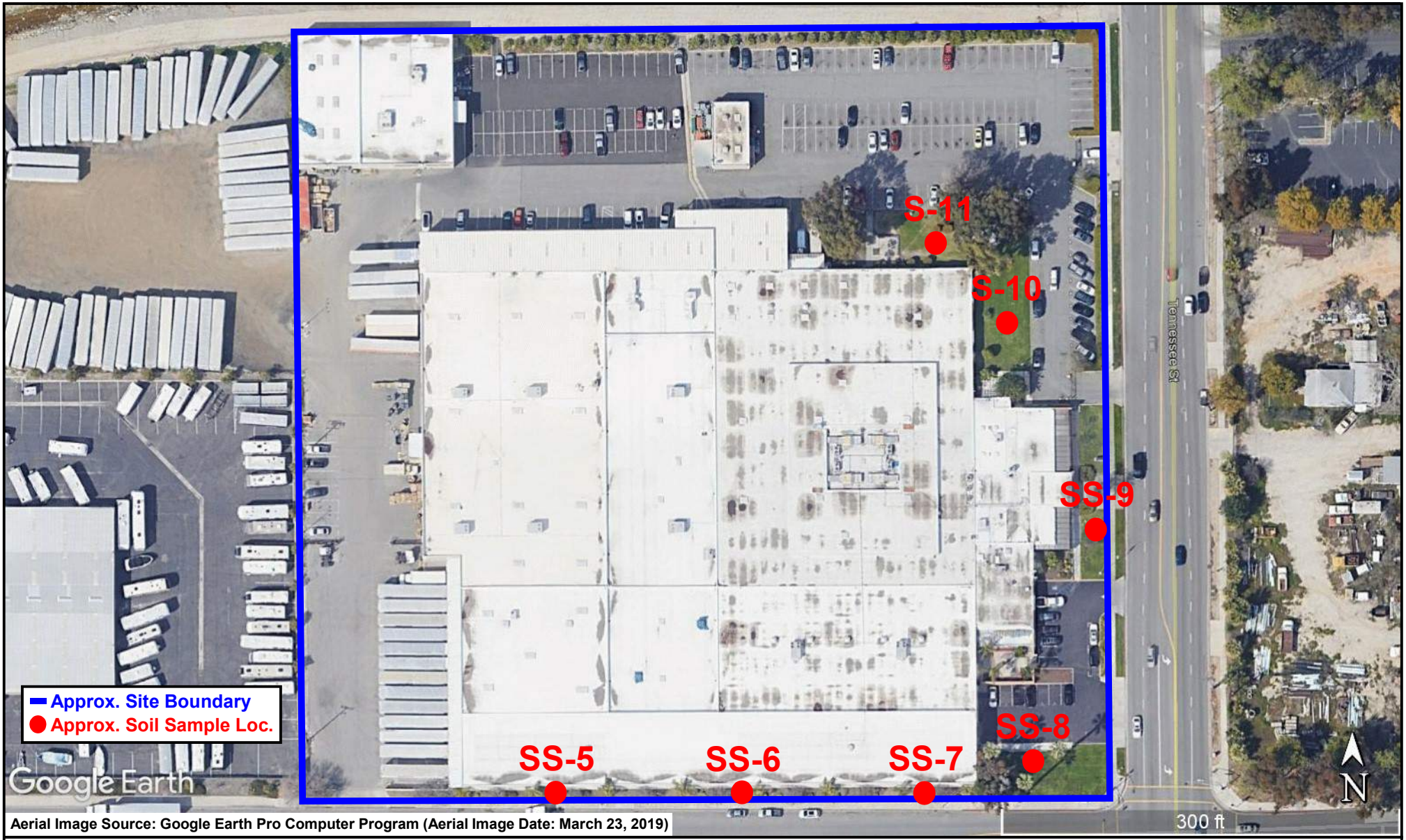
PROJECT:	**FORMER LA-Z-BOY WEST FACILITY, 301 TENNESSEE STREET, REDLANDS, CA**	**PROJECT NO.:**	**13586.2**
CLIENT:	**NYS NEW, LLC**	**FIGURE:**	**2**
LOR Geotechnical Group, Inc.		**DATE:**	**JANUARY 2020**
		APPROX. SCALE:	**1" = 350'**



Aerial Image Source: Google Earth Pro Computer Program (Aerial Image Date: March 23, 2019)

RECENT COLOR AERIAL PHOTOGRAPH

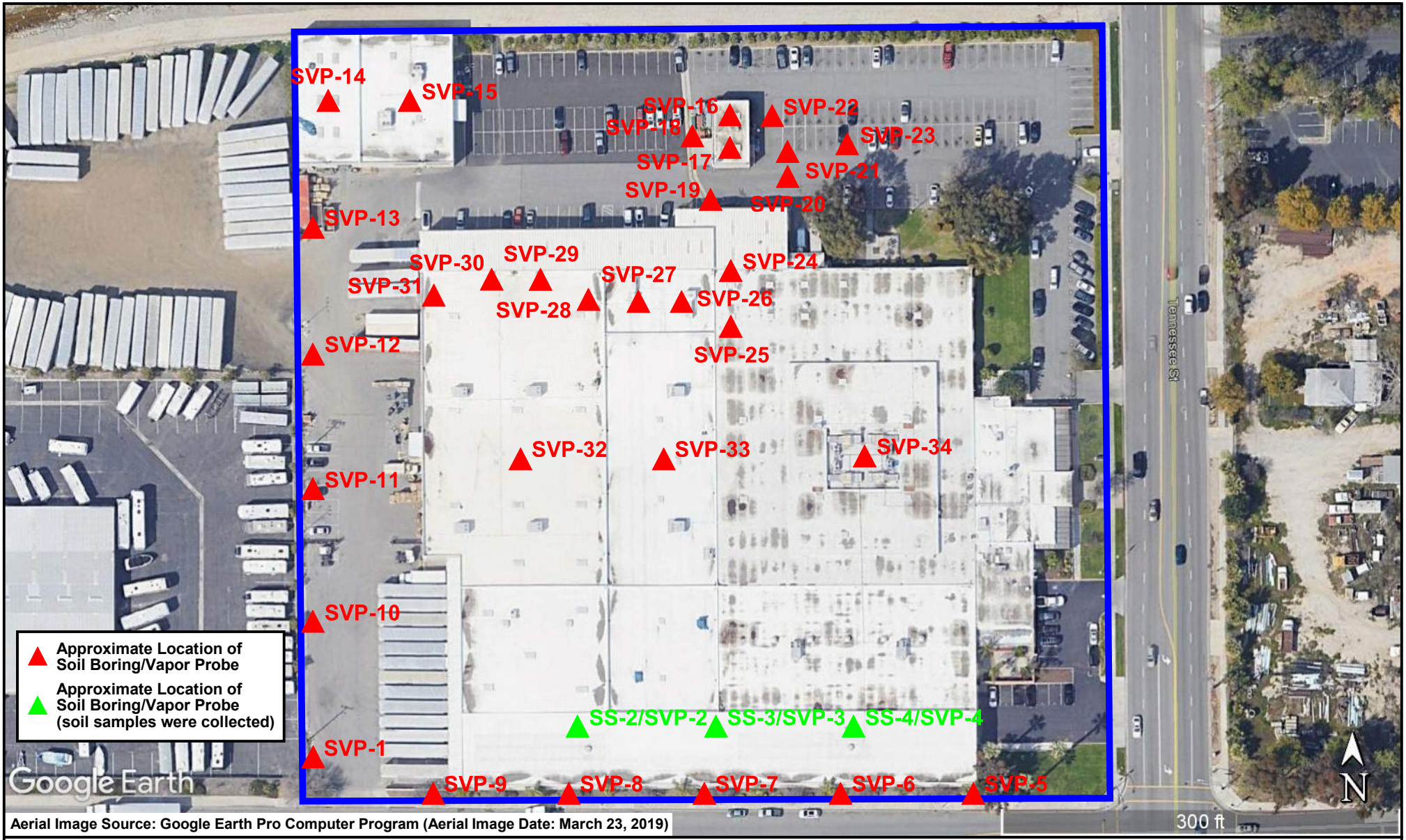
PROJECT:	FORMER LA-Z-BOY WEST FACILITY, 301 TENNESSEE STREET, REDLANDS, CA	PROJECT NO.:	13586.2
CLIENT:	NYS NEW, LLC	FIGURE:	3
LOR Geotechnical Group, Inc.		DATE:	JANUARY 2020
		APPROX. SCALE:	1" = 240'



Aerial Image Source: Google Earth Pro Computer Program (Aerial Image Date: March 23, 2019)

SOIL SAMPLE LOCATIONS ON RECENT COLOR AERIAL PHOTOGRAPH

PROJECT:	FORMER LA-Z-BOY WEST FACILITY, 301 TENNESSEE STREET, REDLANDS, CA	PROJECT NO.:	13586.2
CLIENT:	NYS NEW, LLC	FIGURE:	4
LOR Geotechnical Group, Inc.		DATE:	JANUARY 2020
		APPROX. SCALE:	1" = 100'



Aerial Image Source: Google Earth Pro Computer Program (Aerial Image Date: March 23, 2019)

SOIL BORING AND SOIL VAPOR PROBE LOCATIONS ON RECENT COLOR AERIAL PHOTOGRAPH

PROJECT:	FORMER LA-Z-BOY WEST FACILITY, 301 TENNESSEE STREET, REDLANDS, CA	PROJECT NO.:	13586.2
CLIENT:	NYS NEW, LLC	FIGURE:	5
LOR Geotechnical Group, Inc.		DATE:	JANUARY 2020
		APPROX. SCALE:	1" = 100'

TABLES

Table 1
Soil Sample Analytical Results for California Title 22 Total Heavy Metals
Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373

Sample ID	Date Sampled	Sample Depth [1] (feet)	Total Heavy Metals																
			Ag [2] (mg/kg)	As [2] (mg/kg)	Ba [2] (mg/kg)	Be [2] (mg/kg)	Cd [2] (mg/kg)	Co [2] (mg/kg)	Cr [2] (mg/kg)	Cu [2] (mg/kg)	Hg [3] (mg/kg)	Mo [2] (mg/kg)	Ni [2] (mg/kg)	Pb [2] (mg/kg)	Sb [2] (mg/kg)	Se [2] (mg/kg)	Tl [2] (mg/kg)	V [2] (mg/kg)	Zn [2] (mg/kg)
SS-2-1.5	11/6/2019	1.5	ND<0.971	**3.80**	**34.9**	ND<0.971	ND<0.971	**5.65**	**17.2**	**11.9**	ND<0.20	ND<0.971	**10.1**	**4.30**	ND<1.94	ND<0.971	ND<0.971	**25.9**	**32.1**
SS-2-4	11/6/2019	4	ND<1.04	**3.80**	**54.6**	ND<1.04	ND<1.04	**6.36**	**30.6**	**21.3**	ND<0.20	ND<1.04	**16.1**	**7.47**	ND<2.08	ND<1.04	ND<1.04	**28.0**	**309**
SS-3-1.5	11/6/2019	1.5	ND<0.990	**8.87**	**51.8**	ND<0.990	ND<0.990	**7.98**	**16.7**	**16.6**	ND<0.20	ND<0.990	**12.3**	**7.52**	ND<1.98	ND<0.990	ND<0.990	**34.6**	**53.0**
SS-3-4	11/6/2019	4	ND<0.952	**1.02**	**45.8**	ND<0.952	ND<0.952	**4.87**	**15.6**	**9.90**	ND<0.20	ND<0.952	**7.97**	**12.6**	ND<1.90	ND<0.952	ND<0.952	**21.3**	**67.2**
SS-4-1.5	11/6/2019	1.5	ND<0.957	**1.40**	**52.5**	ND<0.957	ND<0.957	**5.05**	**15.8**	**10.3**	ND<0.20	ND<0.957	**8.99**	**12.4**	ND<1.91	ND<0.957	ND<0.957	**22.2**	**48.5**
SS-4-4	11/6/2019	4	ND<1.00	**1.58**	**43.9**	ND<1.00	ND<1.00	**6.10**	**70.7**	**13.7**	ND<0.20	ND<1.00	**29.9**	**6.60**	ND<2.00	ND<1.00	ND<1.00	**27.1**	**937**
SS-5-1.5	10/28/19	1.5	ND<1.00	**2.26**	**44.9**	ND<1.00	ND<1.00	**6.05**	**13.6**	**10.4**	ND<0.20	ND<1.00	**9.64**	**5.33**	ND<2.00	ND<1.00	ND<1.00	**28.1**	**35.7**
SS-6-1	10/28/19	1	ND<1.02	**1.81**	**45.6**	ND<1.02	ND<1.02	**5.19**	**13.0**	**9.96**	ND<0.20	ND<1.02	**8.59**	**6.07**	ND<2.04	ND<1.02	ND<1.02	**23.6**	**40.8**
SS-7-1	10/28/19	1	ND<0.995	**1.68**	**51.9**	ND<0.995	ND<0.995	**6.69**	**15.0**	**14.6**	ND<0.20	ND<0.995	**10.7**	**7.30**	ND<1.99	ND<0.995	ND<0.995	**31.1**	**52.7**
SS-8-1	10/28/19	1	NA	**1.87**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-9-1	10/28/19	1	NA	**1.79**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-10-1	10/29/19	1	NA	ND<4.98*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-11-1	10/29/19	1	NA	ND<5.03*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DTSC Soil Screening Level for Residential Soil			**390**	**0.11~**	**15,000**	**16**	**71**	**23**	NE	**3,100**	**1.0**	**390**	**820**	**80**	**31**	**390**	**0.78**	**390**	**23,000**
DTSC Soil Screening Level for Comm./Ind. Soil			**5,800**	**0.36~**	**220,000**	**230**	**780**	**350**	NE	**47,000**	**4.4**	**5,800**	**11,000**	**320**	**470**	**5,800**	**12**	**5,800**	**350,000**

Notes:
[1] Depths measured in approximate feet below ground surface.
[2] Analyzed using United States Environmental Protection Agency (USEPA) Method 6020.
[3] Analyzed using United States Environmental Protection Agency (USEPA) Method 7471A.
ID = identification
Ag = silver, As = arsenic, Ba = barium, Be = beryllium, Cd = cadmium, Co = cobalt, Cr = chromium, Cu = copper, Hg = mercury, Mo = molybdenum, Ni = nickel, Pb = lead, Sb = antimony, Se = selenium, Tl = thallium, V = vanadium, Zn = zinc
mg/kg = milligrams per kilogram
NA = not analyzed
ND<0.971 = not detected (ND) at the specified laboratory reporting limit (RL)
3.80 = analytical results above the laboratory RL are shown in **BOLD**
* = Due to sample matrix effect on the laboratory's internal standard, a dilution was required for the sample analysis.
DTSC Soil Screening Level for Residential or Commercial/Industrial Soils = California Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment Note Number: 3, DTSC-modified Screening Levels
~ Naturally occurring background concentrations of arsenic often exceed regulatory screening levels. Regulatory agencies generally do not require cleanup of soil to below background levels.
NE = not established

Table 2
Summary of Soil Sample Analytical Results for Organochlorine Pesticides
Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373

Sample ID	Date Sampled	Sample Depth [1] (feet)	OCPs					
			Chlordane [2] (mg/kg)	DDE [2] (mg/kg)	DDT [2] (mg/kg)	Dieldrin [2] (mg/kg)	Heptachlor Epoxide [2] (mg/kg)	Other OCPs [2] (mg/kg)
SS-2-1	11/06/19	1	ND<0.010	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<varies
SS-2-3.5	11/06/19	3.5	ND<0.010	ND<0.0020	ND<0.0020	**0.0033**	ND<0.0020	ND<varies
SS-3-1	11/06/19	1	ND<0.010	ND<0.0020	**0.0053**	ND<0.0020	ND<0.0020	ND<varies
SS-3-3.5	11/06/19	3.5	ND<0.010	ND<0.0020	**0.0061**	**0.0050**	ND<0.0020	ND<varies
SS-4-1	11/06/19	1	ND<0.010	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<varies
SS-4-3.5	11/06/19	3.5	ND<0.010	ND<0.0020	**0.0057**	**0.0042**	ND<0.0020	ND<varies
SS-8-1	10/28/19	1	**0.013**	**0.0098**	ND<0.0020	**0.0027**	ND<0.0020	ND<varies
SS-9-1	10/28/19	1	**0.016**	ND<0.0020	ND<0.0020	**0.0033**	**0.0048**	ND<varies
SS-10-1	10/29/19	1	**0.010**	ND<0.0020	ND<0.0020	**0.0043**	**0.0050**	ND<varies
SS-11-1	10/29/19	1	**0.022**	ND<0.0020	ND<0.0020	ND<0.0020	**0.0037**	ND<varies
DTSC Soil Screening Level for Residential Soil			**1.7**	**2.0**	**1.9**	**0.034**	**0.07**	**Varies**
DTSC Soil Screening Level for Comm./Ind. Soil			**6.1**	**9.3**	**7.1**	**0.093**	**0.33**	**Varies**

Notes:
[1] Depths measured in approximate feet below ground surface.
[2] Analyzed using United States Environmental Protection Agency (USEPA) Method 8081A.
ID = identification
mg/kg = milligrams per kilogram
OCPs = organochlorine pesticides
DDE = 4,4'-dichlorodiphenyldichloroethene
DDT = 4,4'-dichlorodiphenyltrichloroethane
ND<0.010 = not detected (ND) at the specified laboratory reporting limit (RL)
0.0033 = analytical results above the laboratory RL are shown in **BOLD**
DTSC Soil Screening Level for Residential or Commercial/Industrial Soils = California Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment Note Number: 3, DTSC-modified Screening Levels

Table 3
Summary of Soil Vapor Sample Analytical Results for TPH-G and VOCs
Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373

Sample ID	Date Sampled	Sample Depth [1] (feet)	TPH-G [2] (µg/L)	Chloroform [2] (µg/L)	1,1-DCA [2] (µg/L)	1,1-DCE [2] (µg/L)	PCE [2] (µg/L)	1,1,1-TCA [2] (µg/L)	TCE [2] (µg/L)	cis-1,2-DCE [2] (µg/L)
SVP-1	11/08/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-2	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-3	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-4	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-5	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-6	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-7	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-7 Dup	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-8	11/08/19	3	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-9	11/08/19	3.5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-10	11/08/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-11	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-12	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	ND<1.00	ND<0.01	ND<0.20
SVP-13	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.47**	ND<1.00	**0.27**	ND<0.20
SVP-14	11/08/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.08**	ND<1.00	**0.12**	ND<0.20
SVP-14 Dup	11/08/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.07**	ND<1.00	**0.12**	ND<0.20
SVP-15	11/08/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.61**	ND<1.00	**0.64**	ND<0.20
SVP-16	11/07/19	5	ND<5.00	ND<0.004	**1.60**	**2.06**	**0.08**	**25.69**	**2.97**	ND<0.20
SVP-17	11/07/19	5	ND<5.00	ND<0.004	**5.10**	**4.05**	**0.15**	**76.78**	**4.92**	ND<0.20
SVP-18	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	**1.11**	ND<0.01	**5.23**	**1.49**	ND<0.20
SVP-19	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	ND<0.01	**12.28**	**1.06**	ND<0.20
SVP-20	11/07/19	5	ND<5.00	**0.22**	**58.71**	**22.54**	**0.48**	**1050.42**	**37.33**	**1.65**
SVP-21	11/07/19	5	ND<5.00	**0.11**	**27.79**	**19.60**	**0.59**	**567.36**	**21.30**	ND<0.20
SVP-22	11/07/19	5	ND<5.00	**0.16**	**7.23**	**6.78**	**0.23**	**137.42**	**8.01**	ND<0.20
SVP-23	11/06/19	5	ND<5.00	ND<0.004	**1.78**	**4.23**	**0.25**	**79.16**	**6.43**	ND<0.20
SVP-23 Dup	11/06/19	5	ND<5.00	ND<0.004	**1.75**	**4.27**	**0.24**	**79.32**	**6.39**	ND<0.20
SVP-24	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.02**	ND<1.00	**0.94**	ND<0.20
SVP-25	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.03**	**1.71**	**0.99**	ND<0.20
SVP-26	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.04**	**1.26**	**1.73**	ND<0.20
SVP-27	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.06**	ND<1.00	**1.68**	ND<0.20
SVP-28	11/07/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.05**	ND<1.00	**1.74**	ND<0.20
SVP-29	11/06/19	4	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.08**	ND<1.00	**1.70**	ND<0.20
SVP-30	11/06/19	4	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.09**	ND<1.00	**1.88**	ND<0.20
SVP-31	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.07**	ND<1.00	**0.65**	ND<0.20
SVP-32	11/06/19	4	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.11**	ND<1.00	**1.17**	ND<0.20
SVP-33	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**0.11**	ND<1.00	**2.03**	ND<0.20
SVP-34	11/06/19	5	ND<5.00	ND<0.004	ND<0.05	ND<1.00	**1.51**	ND<1.00	**2.56**	ND<0.20

Notes:
[1] Depths measured in approximate feet below ground surface.
[2] Analyzed using United Stated Environmental Protection Agency (USEPA) Method 8260B.
ID = identification
µg/L = micrograms per liter
TPH-G = total petroleum hydrocarbons as gasoline
VOCs = volatile organic compounds
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
PCE = tetrachloroethene
1,1,1-TCA = 1,1,1-trichloroethane
TCE = trichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
ND<5.00 = not detected (ND) at the specified laboratory reporting limit (RL)
0.47 = analytical results above the laboratory RL are shown in **BOLD**

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August 28, 2020
Project No: 20-09805

South Coast AQMD
Energy and Waste Management Unit, Engineering and Permitting
21865 Copley Drive
Diamond Bar, California 91765-4178

Subject: **Sub-Slab Depressurization Results, Permit No. G61173, A/N 61982**
301 Tennessee Street, Redlands, California 92373-8125

Dear South Coast AQMD:

On behalf of Esri Real Estate Transaction and Management (Esri), enclosed is the operations information as required in Condition 9 of South Coast Air Quality Management District permit number G61173. The permitted sub-slab depressurization (SSD) system comprises 26 subsystems, each with an individual extraction blower. The SSD system is installed at Esri's facility located at 301 Tennessee Street in Redlands, California.

Please contact us with any questions regarding the information submitted here.

Sincerely,
Rincon Consultants, Inc.

Lindsay Ellingson, EIT
Project Manager

Ryan Thacher, PhD, PE
Senior Environmental Engineer

Torin R. Snyder, PG, CHG, QSD/P ToR
Principal

Attachments

Table 1 Total VOC Concentrations and Flow Rate
Table 2 VOC Concentrations in Air Samples

Sub-Slab Depressurization

A total of 26 sub-slab depressurization (SSD) units have been installed at the subject property as described in South Coast Air Quality Management District (SCAQMD) permit number G61173 (Permit). Per the Permit, the SSD units were monitored daily during the first week of operation. Total volatile organic compound (VOC) concentrations were measured using a photoionization detector (PID), calibrated in parts per million by volume (ppmv) as hexane. The flow rate was also measured at each SSD unit. Following the daily monitoring of flow rates and total VOC concentrations with the PID, weekly air samples were collected from the SSD units and analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260BM.

Per the Permit, the monitoring activities were conducted at the subject property to ensure that site conditions did not exceed the following parameters:

- The total VOC concentrations measured at each unit shall not exceed 10 ppmv as hexane (Condition 8)
- The maximum flow rate at each unit shall not exceed 40 standard cubic feet per minute (scfm), and the total flow rate of all SSD units shall not exceed 1,000 scfm (Condition 3).
- The VOC concentrations in air samples shall not exceed 0.10 ppmv for 1,1-dichloroethene, 1,2-dichloroethene, benzene, carbon tetrachloride, chloroform, 1,4-dichlorobenzene, naphthalene, trichloroethene (TCE) and 0.40 ppmv for tetrachloroethene (PCE) (Condition 5)

Total VOC Concentrations and Flow Rate

The system was started on July 6, 2020 and measurements were recorded on July 6 through 12, 2020 with the PID (Table 1). SSD-7 through SSD-10 were not operated initially, and SSD-7, SSD-8, and SSD-9 have remained off for the entire monitoring period. SSD-10 was activated on July 9, 2020. SSD-17 and SSD-22 were shut down due to the inability to operate below the required flow rate of 40 scfm.

The only exceedance of total VOC concentration and flow rate was observed at SSD-4 on July 10, 2020, where the total VOC concentration was measured to be 23.6 ppmv and the flow rate was measured to be 270.5 cfm. SSD-4 was subsequently shut down that day. On July 11, 2020, the flow was manually adjusted and PID readings were collected; both measurements confirmed SSD-4 was back within the permit requirements.

VOC Concentrations in Air Samples

Beginning on July 8, 2020, weekly air samples were collected from the SSD units. In the first two sampling events, concentrations of TCE exceeded the threshold of 0.1 ppmv in SSD-1, SSD-2, SSD-14, SSD-16, SSD-18, SSD-19, and SSD-23. Concentrations of 1,1-dichloroethane also exceeded the threshold of 0.1 ppmv in SSD-23. Following the receipt of the analytical data from these events, each unit in exceedance was shut down.

During the third sampling event on July 21, 2020, concentrations of VOCs in the remaining units were below the permit thresholds, with the exception of TCE at SSD-13 (0.13 ppmv). During the fourth sampling event on July 28, 2020, SSD-18 was turned back on and was sampled due to the low-level prior exceedance and has remained within the permit thresholds. SSD-13 also exceeded the TCE threshold

during this event (0.14 ppmv) and is not currently operational. No VOC exceedances were reported during the fifth sampling event.

To date, seven SSD units remain off due to VOC exceedances (SSD-1, SSD-2, SSD-13, SSD-14, SSD-16, SSD-19, and SSD-23), and two SSD units (SSD-17 and SSD-22) remain off due to flow exceedances. In addition, two SSD units (SSD-10 and SSD-18) were a week behind the weekly sampling cycle and, therefore, were sampled on August 13, 2020 (Week 5.1 of Table 2). No VOC exceedances were reported.

Conclusion

Rincon has been working in close coordination with SCAQMD since SSD system start-up seeking guidance on issues related to SSD unit flow rates, VOC concentrations, and SSD unit modifications to facilitate greater cooling (many SSD units were shutting down automatically due to heat build-up). It is Rincon's understanding that Permit revisions are underway which will be reflected in the six-month report. The six-month report will be submitted prior to January 6, 2021.

Tables

Table 1: Total VOC Concentrations and Flow Rate

Sample Date	Sample ID	PID Reading (ppmv, hexane)	Flow Rate (cfm)
	Emission Limits[1]	10	40[2]
7/6/2020	SSD-1	8.0	15.0
	SSD-2	7.5	35.0
	SSD-3	8.1	7.0
	SSD-4	5.0	26.0
	SSD-5	8.3	15.0
	SSD-6	6.4	7.0
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	--	--
	SSD-11	1.6	33.0
	SSD-12	3.2	8.0
	SSD-13	7.2	13.9
	SSD-14	6.2	2.1
	SSD-15	3.3	37.2
	SSD-16	7.0	39.9
	SSD-17	**	**
	SSD-18	5.8	4.3
	SSD-19	9.3	20.0
	SSD-20	2.6	30.0
	SSD-21	3.3	25.0
	SSD-22	**	**
	SSD-23	5.0	25.0
	SSD-24	5.3	11.4
	SSD-25	9.2	31.5
	SSD-26	9.6	30.6
7/7/2020	SSD-1	1.4	18.6
	SSD-2	2.9	36.7
	SSD-3	<0.1	6.8
	SSD-4	1.1	26.9
	SSD-5	<0.1	6.0
	SSD-6	<0.1	5.6
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	--	--
	SSD-11	<0.1	34.4
	SSD-12	<0.1	7.5
	SSD-13	0.6	14.4
	SSD-14	1.3	4.5
	SSD-15	<0.1	9.6
	SSD-16	1.6	36.6
	SSD-17	**	**
	SSD-18	<0.1	4.4
	SSD-19	3.1	18.0
	SSD-20	<0.1	31.5
	SSD-21	0.6	34.5
	SSD-22	**	**
	SSD-23	3.5	24.0
	SSD-24	<0.1	11.5
	SSD-25	<0.1	34.3
	SSD-26	2.2	26.7

Table 1: Total VOC Concentrations and Flow Rate

Sample Date	Sample ID	PID Reading (ppmv, hexane)	Flow Rate (cfm)
	Emission Limits[1]	10	40[2]
7/8/2020	SSD-1	2.3	18.3
	SSD-2	4.1	35.6
	SSD-3	1.0	6.0
	SSD-4	1.5	25.5
	SSD-5	1.2	7.0
	SSD-6	1.1	9.2
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	--	--
	SSD-11	0.8	33.2
	SSD-12	0.9	8.1
	SSD-13	1.6	15.1
	SSD-14	2.5	4.2
	SSD-15	0.9	8.6
	SSD-16	2.6	35.1
	SSD-17	**	**
	SSD-18	0.7	2.4
	SSD-19	5.0	18.8
	SSD-20	1.1	29.3
	SSD-21	1.2	32.4
	SSD-22	**	**
	SSD-23	2.2	23.6
	SSD-24	0.7	11.5
	SSD-25	0.5	32.2
	SSD-26	1.8	27.6
7/9/2020	SSD-1	3.0	20.3
	SSD-2	5.9	34.8
	SSD-3	2.9	7.2
	SSD-4	3.6	27.6
	SSD-5	0.2	5.1
	SSD-6	1.5	8.8
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	1.8	4.7
	SSD-11	0.9	33.3
	SSD-12	1.6	5.3
	SSD-13	2.1	13.6
	SSD-14	3.1	3.8
	SSD-15	1.0	9.3
	SSD-16	3.7	36.3
	SSD-17	**	**
	SSD-18	1.6	2.7
	SSD-19	5.6	38.1
	SSD-20	1.2	37.3
	SSD-21	2.6	35.4
	SSD-22	**	**
	SSD-23	2.9	32.7
	SSD-24	1.8	8.1
	SSD-25	1.0	35.4
	SSD-26	0.3	29.5

Table 1: Total VOC Concentrations and Flow Rate

Sample Date	Sample ID	PID Reading (ppmv, hexane)	Flow Rate (cfm)
	Emission Limits[1]	10	40[2]
7/10/2020	SSD-1	1.6	18.5
	SSD-2	3.7	33.4
	SSD-3	1.4	7.3
	SSD-4	23.6	270.5
	SSD-5	1.1	5.0
	SSD-6	0.6	7.3
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	0.5	13.5
	SSD-11	0.5	33.8
	SSD-12	0.5	8.7
	SSD-13	1.5	14.8
	SSD-14	2.1	4.2
	SSD-15	<0.1	9.4
	SSD-16	2.5	38.2
	SSD-17	**	**
	SSD-18	0.3	2.8
	SSD-19	5.2	36.1
	SSD-20	0.3	36.7
	SSD-21	0.3	35.4
	SSD-22	**	**
	SSD-23	1.7	31.2
	SSD-24	0.3	10.9
	SSD-25	1.5	33.7
	SSD-26	0.2	29.1
7/11/2020	SSD-1	<0.1	17.2
	SSD-2	7.2	35.7
	SSD-3	<0.1	6.3
	SSD-4	7.2	35.7
	SSD-5	<0.1	12.2
	SSD-6	<0.1	7.3
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	0.1	13.3
	SSD-11	<0.1	32.5
	SSD-12	<0.1	8.1
	SSD-13	1.0	15.6
	SSD-14	2.8	2.9
	SSD-15	<0.1	10.0
	SSD-16	3.1	35.7
	SSD-17	**	**
	SSD-18	0.3	2.5
	SSD-19	6.0	37.3
	SSD-20	0.5	35.1
	SSD-21	0.7	34.9
	SSD-22	**	**
	SSD-23	2.3	31.0
	SSD-24	<0.1	5.5
	SSD-25	<0.1	33.9
	SSD-26	0.3	27.4



Table 1: Total VOC Concentrations and Flow Rate

Sample Date	Sample ID	PID Reading (ppmv, hexane)	Flow Rate (cfm)
	Emission Limits[1]	10	40[2]
7/12/2020	SSD-1	1.2	19.8
	SSD-2	1.9	37.0
	SSD-3	<0.1	7.4
	SSD-4	<0.1	26.8
	SSD-5	<0.1	12.2
	SSD-6	<0.1	5.1
	SSD-7	--	--
	SSD-8	--	--
	SSD-9	--	--
	SSD-10	<0.1	2.7
	SSD-11	<0.1	34.0
	SSD-12	<0.1	4.2
	SSD-13	1.2	16.8
	SSD-14	2.1	3.1
	SSD-15	<0.1	9.5
	SSD-16	2.4	34.7
	SSD-17	**	**
	SSD-18	0.4	2.7
	SSD-19	4.6	36.4
	SSD-20	0.4	36.1
	SSD-21	0.7	35.2
	SSD-22	**	**
	SSD-23	1.9	29.9
	SSD-24	<0.1	6.7
	SSD-25	<0.1	34.4
	SSD-26	0.3	27.4

Notes:

[1] : Per Condition 8 of South Coast Air Quality Management District (SCAQMD) permit number G61173 (Permit), the total VOC concentrations in the exhaust stack shall not exceed 10 ppmv as hexane

[2] : Per Condition 3 of the Permit, the total flow rate shall not exceed 1,000 SCFM. The maximum flow rate of individual SSD units will not exceed 40 SCFM.

Definitions:

-- : Did not operate due to non-detect soil vapor VOC data previously reported

^^ : Did not operate due to previously exceeded permit requirements for VOC concentrations

** : Did not operate due to exceedance of permitted flow

cfm : Cubic feet per minute

fpm : Feet per minute

hexane : Per Condition 4B of the Permit, concentrations were measured using a Photoionization Detector (PID) calibrated in ppmv as hexane

ppmv : Parts per million per volume

SSD : Sub-slab depressurization

VOC : Volatile organic compound

: The total VOC concentration in the exhaust stack exceeds 10 ppmv as hexane

Table 2: VOC Concentrations in Air Samples

	Concentrations* (ppmv)								
	Volatile Organic Compounds (EPA Method 8260BM)								
Sample ID	1,1-Dichloroethane	1,2-Dichloroethane	Benzene	Carbon Tetrachloride	Chloroform	1,4-Dichlorobenzene	Naphthalene	Tetrachloroethene	Trichloroethene
Emission Limits[1]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.10
Week 1 (7/8/2020)									
SSD-1	**0.054**	<0.0010	<0.0010	<0.0010	**0.0024**	<0.0010	<0.0050	**0.0048**	**0.18**
SSD-2	**0.026**	<0.0010	<0.0010	<0.0010	**0.0021**	<0.0010	<0.0050	**0.0051**	**0.17**
SSD-3	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0030**	**0.015**
SSD-4	**0.0068**	<0.0010	<0.0010	<0.0010	**0.0054**	<0.0010	<0.0050	**0.0012**	**0.040**
SSD-5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0020**	**0.012**
SSD-6	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0037**	**0.0086**
SSD-11	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0013**	<0.0010
SSD-12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0014**	<0.0010
SSD-13	**0.0073**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0042**	**0.073**
SSD-14	**0.014**	<0.0010	<0.0010	<0.0010	**0.0035**	<0.0010	**0.0050**	**0.0032**	**0.20**
SSD-15	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.005	**0.0059**	<0.0010
SSD-16	**0.012**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	**0.0049**	**0.20**
SSD-18	**0.017**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0055**	**0.11**
SSD-19	**0.043**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.020	<0.004	**0.32**
SSD-20	**0.0018**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0029**	**0.023**
SSD-21	**0.0076**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0029**	**0.065**
SSD-23	**0.26**	<0.0010	<0.0010	<0.0010	**0.0016**	<0.0010	<0.0050	**0.0031**	**0.17**
SSD-24	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0034**	<0.0010
SSD-25	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0040**	<0.0010
SSD-26	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	**0.0019**

Table 2: VOC Concentrations in Air Samples

	Concentrations* (ppmv)								
	Volatile Organic Compounds (EPA Method 8260BM)								
Sample ID	1,1-Dichloroethane	1,2-Dichloroethane	Benzene	Carbon Tetrachloride	Chloroform	1,4-Dichlorobenzene	Naphthalene	Tetrachloroethene	Trichloroethene
Emission Limits[1]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.10
Week 2 (7/15/2020)									
SSD-1	**0.057**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.020	<0.0040	**0.64**
SSD-2	**0.025**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.020	<0.0040	**0.19**
SSD-3	<0.001	<0.0010	<0.0010	<0.0010	**0.0011**	<0.0010	<0.0050	**0.0033**	**0.016**
SSD-4	**0.0079**	<0.0010	<0.0010	<0.0010	**0.0044**	<0.0010	<0.0050	**0.0011**	**0.047**
SSD-5	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0014**	**0.011**
SSD-6	**0.0015**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0021**	**0.005**
SSD-10	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010
SSD-11	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010
SSD-12	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010
SSD-13	**0.0040**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0034**	**0.069**
SSD-14	**0.013**	<0.0010	<0.0010	<0.0010	**0.0039**	<0.0010	<0.0050	**0.0033**	**0.19**
SSD-15	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0023**	<0.001
SSD-16	**0.012**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.020	<0.004	**0.17**
SSD-18	**0.011**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0037**	**0.049**
SSD-19	**0.039**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0049**	**0.35**
SSD-20	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0019**	**0.020**
SSD-21	**0.0057**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0023**	**0.055**
SSD-23	**0.22**	<0.0010	<0.0011	<0.0012	**0.0015**	<0.0010	<0.0050	**0.0033**	**0.19**
SSD-24	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0038**	<0.0010
SSD-25	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	**0.0034**	<0.0010
SSD-26	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	**0.0019**

Table 2: VOC Concentrations in Air Samples

	Concentrations* (ppmv)								
	Volatile Organic Compounds (EPA Method 8260BM)								
Sample ID	1,1-Dichloroethane	1,2-Dichloroethane	Benzene	Carbon Tetrachloride	Chloroform	1,4-Dichlorobenzene	Naphthalene	Tetrachloroethene	Trichloroethene
Emission Limits[1]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.10
Week 3 (7/21/2020)									
SSD-3	**0.0034**	<0.00080	<0.00080	<0.00080	**0.0026**	<0.00080	<0.0040	**0.0036**	**0.031**
SSD-4	**0.015**	<0.00080	<0.00080	<0.00080	**0.0051**	<0.00080	<0.0040	**0.0028**	**0.063**
SSD-5	**0.0013**	<0.00080	<0.00080	<0.00080	**0.0010**	<0.00080	<0.0040	**0.0021**	**0.016**
SSD-6	<0.00080	<0.00080	<0.00080	<0.00080	**0.0029**	<0.00080	<0.0040	**0.0027**	**0.0063**
SSD-10	<0.00080	<0.00080	<0.00080	<0.00080	**0.0017**	<0.00080	<0.0040	**0.0012**	<0.00080
SSD-11	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0010**	<0.00080
SSD-12	<0.00080	<0.00080	<0.00080	<0.00080	**0.0014**	<0.00080	<0.0040	**0.0011**	**0.0013**
SSD-13	**0.017**	<0.00080	<0.00080	<0.00080	**0.0038**	<0.00080	<0.0040	**0.0044**	**0.13**
SSD-15	<0.00080	<0.00080	<0.00080	<0.00080	**0.0026**	<0.00080	<0.0040	**0.0020**	<0.00080
SSD-20	**0.0030**	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0038**	**0.031**
SSD-21	**0.013**	<0.00080	<0.00080	<0.00080	**0.0012**	<0.00080	<0.0040	**0.0034**	**0.070**
SSD-24	<0.00080	<0.00080	<0.00080	<0.00080	**0.0013**	<0.00080	<0.0040	**0.0033**	**0.0031**
SSD-25	<0.00080	<0.00080	<0.00080	<0.00080	**0.0012**	<0.00080	<0.0040	**0.0019**	<0.00080
SSD-26	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	<0.00080	**0.0032**
Week 4 (7/28/2020)									
SSD-3	**0.0066**	<0.00080	<0.00080	<0.00080	**0.0032**	<0.00080	<0.0040	**0.0040**	**0.053**
SSD-4	**0.022**	<0.00080	<0.00080	<0.00080	**0.0049**	<0.00080	<0.0040	**0.0021**	**0.078**
SSD-5	**0.0019**	<0.00080	<0.00080	<0.00080	**0.0013**	<0.00080	<0.0040	**0.0022**	**0.019**
SSD-6	<0.00080	<0.00080	<0.00080	<0.00080	**0.0011**	<0.00080	<0.0040	**0.0023**	**0.0071**
SSD-10	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0012**	<0.00080
SSD-11	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0016**	<0.00080
SSD-12	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0011**	<0.00080
SSD-13	**0.018**	<0.00080	<0.00080	<0.00080	**0.0016**	<0.00080	<0.0040	**0.0043**	**0.14**
SSD-15	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0023**	<0.00080
SSD-18	**0.0019**	<0.00080	<0.00080	<0.00080	**0.00082**	<0.00080	<0.0040	**0.0017**	**0.022**
SSD-20	**0.0030**	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0021**	**0.026**
SSD-21	**0.015**	<0.00080	<0.00080	<0.00080	**0.0010**	<0.00080	<0.0040	**0.0029**	<0.00080
SSD-24	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	<0.00080	**0.0013**
SSD-25	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	**0.0015**	<0.00080
SSD-26	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.0040	<0.00080	**0.0025**

Table 2: VOC Concentrations in Air Samples

	Concentrations* (ppmv)								
	Volatile Organic Compounds (EPA Method 8260BM)								
Sample ID	1,1-Dichloroethane	1,2-Dichloroethane	Benzene	Carbon Tetrachloride	Chloroform	1,4-Dichlorobenzene	Naphthalene	Tetrachloroethene	Trichloroethene
Emission Limits[1]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.10
Week 5 (8/4/2020)									
SSD-3	<0.00080	<0.00080	<0.00080	<0.00080	**0.00088**	<0.00080	<0.0040	<0.00080	**0.0019**
SSD-4	<0.00080	<0.00080	<0.00080	<0.00080	**0.00082**	<0.00080	<0.0040	<0.00080	**0.0020**
SSD-5	<0.00080	<0.00080	<0.00080	<0.00080	**0.00094**	<0.00080	<0.0040	<0.00080	**0.0018**
SSD-6	<0.00080	<0.00080	<0.00080	<0.00080	**0.00089**	<0.00080	<0.0040	<0.00080	**0.0019**
SSD-10	<0.00080	<0.00080	<0.00080	<0.00080	**0.00090**	<0.00080	<0.0040	<0.00080	**0.0018**
SSD-11	<0.00080	<0.00080	<0.00080	<0.00080	**0.00097**	<0.00080	<0.0040	<0.00080	**0.0018**
SSD-12	<0.00080	<0.00080	<0.00080	<0.00080	**0.00091**	<0.00080	<0.0040	<0.00080	**0.0018**
SSD-15	<0.00080	<0.00080	<0.00080	<0.00080	**0.00096**	<0.00080	<0.0040	<0.00080	**0.0017**
SSD-18	<0.00080	<0.00080	<0.00080	<0.00080	**0.00097**	<0.00080	<0.0040	<0.00080	**0.0016**
SSD-20	<0.00080	<0.00080	<0.00080	<0.00080	**0.0010**	<0.00080	<0.0040	<0.00080	**0.0017**
SSD-21	<0.00080	<0.00080	<0.00080	<0.00080	**0.00098**	<0.00080	<0.0040	<0.00080	**0.0017**
SSD-24	<0.00080	<0.00080	<0.00080	<0.00080	**0.00082**	<0.00080	<0.0040	<0.00080	**0.0020**
SSD-25	<0.00080	<0.00080	<0.00080	<0.00080	**0.00084**	<0.00080	<0.0040	<0.00080	**0.0019**
SSD-26	<0.00080	<0.00080	<0.00080	<0.00080	**0.0011**	<0.00080	<0.0040	<0.00080	**0.0019**
Week 5.1 (8/13/2020)									
SSD-10	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080	**0.0025**	<0.00080
SSD-18	**0.044**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.020	**0.0045**	**0.073**

Notes:

* - Volatile organic compounds (VOCs) analyzed by United States Environmental Protection Agency Method 8260BM. Only constituents that were listed in the Permit are shown in this table; see the analytical laboratory report for complete results.

[1] VOC concentrations were compared to the Permit thresholds listed in Condition 5

Definitions:

< = Constituent not detected above associated laboratory reporting limit

bold = Constituent detected above laboratory reporting limit

Constituent detected at or above associated screening level

ppmv : Parts per million per volume

PARTNER
Engineering and Science, Inc.®

ADDITIONAL SITE CHARACTERIZATION REPORT

Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

June 23, 2021
Partner Project Number: SM20-284007

Prepared For:

Acc Bld, LLC
P.O. Box 7538
Redlands, California 92375



Engineers who understand your business

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner), on behalf of Acc Bld, LLC (the "Client"), has prepared the following report summarizing the field activities, methods, and findings of the Additional Site Characterization performed at 301 Tennessee Street in Redlands, California (the "Site").

1.1 Objective

The objective of the project was to further delineate the extent of volatile organic compounds (VOCs) in the subsurface.

1.2 Scope

The scope of the project included installation and sampling of 16 nested soil gas probes and a groundwater monitoring well.

1.3 Quality Assurance / Quality Control

The project was performed in accordance with applicable methodology approved by the United States Environmental Protection Agency (EPA), the Department of Toxic Substances Control (DTSC), and the State Water Resources Control Board (SWRCB). The registered professional in charge, Mr. Robert Traylor, PG, CHg, has at least 5 years of hydrogeologic experience and supervised the work associated with the project.

2.0 SITE HISTORY AND BACKGROUND

2.1 Site Description

The Site consists of an approximately 8.2-acre rectangular parcel of land (Assessor's Parcel Number [APN] 0292-192-11) located on the northwest corner of the Tennessee Street and West State Street intersection in a mixed industrial and commercial area of the City of Redlands, California. The Site is developed with three buildings. The main building (Building 1) encompasses much of the parcel and was constructed in phases from the mid-1960s to 1991. The second building (Building 2) is in the northwest corner of the parcel and was constructed in 1969. The third building (Building 3) is located to the north of Building 1 and was constructed in the mid-1960s. Please see Figures 2.1-1 and 2.1-2 for a topographic map of the site vicinity and a site plan, respectively.

2.2 Site History

According to a Phase I and II Environmental Site Assessment (Phase I and II) Report prepared by LOR Geotechnical Group, Inc. (LOR), dated January 21, 2020, La-Z-Boy previously operated at the Site from approximately the 1960s to 2019 for furniture manufacturing. Available regulatory agency records documented historical on-site use of hazardous materials.

In 1994, RMT, Inc. (RMT) performed two subsurface investigations at the Site as summarized in two reports (Limited Subsurface Investigation Report, dated November 29, 1994, and Results of the Subsurface Investigation Report, dated March 1995) to evaluate potential subsurface impacts associated with a former fire suppression water overflow collection trap, which was located in the parking lot to the north of Building 1 and to the southeast of Building 3. The cumulative scope of the investigations included seven borings (SB-1 through SB-7) advanced to a maximum terminal depth of 50 feet below ground surface (bgs) and laboratory analysis of multiple soil samples. The RMT investigations identified various chlorinated VOCs in soil to at least 30 feet bgs.

Subsequently, LOR performed an investigation at the Site in 2019 as summarized in the aforementioned Phase I and II Report to evaluate whether the historical industrial operations impacted the subsurface. The investigation scope included, in part, a 34-point soil gas survey across the Site. Soil gas samples were collected at 5 feet bgs or shallower. The LOR investigation identified elevated concentrations of various chlorinated VOCs in soil gas. Peak concentrations were generally detected in the vicinity of the former fire suppression water overflow collection trap.

Please see Figure 2.2-1 for a map of the prior boring locations and Tables 2.2-1 and 2.2-2 for cumulative summaries of the VOCs laboratory results for soil and soil gas, respectively.

3.0 GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology and Hydrogeology

According to Department of Water Resources (DWR) Bulletin 118, the Site is located in the Bunker Hill Subbasin of the Upper Santa Ana Valley Groundwater Basin. The subbasin consists of alluvial materials underlying the San Bernardino Valley and is bounded by consolidated rocks of the San Gabriel Mountains, San Bernardino Mountains, and Crafton Hills, and by several faults.

According to Bulletin 118, water-bearing material in the subbasin consists of Holocene and Pleistocene Age alluvial deposits of sand, gravel, and boulders interspersed with silt and clay deposits. Groundwater generally converges toward the Santa Ana River in the southwestern part of the subbasin and discharges over the San Jacinto Fault at Colton Narrows.

3.2 Local Geology and Hydrogeology

Based on a review of the United States Geological Survey (USGS) Redlands, California, Quadrangle topographic map, the Site is situated at an elevation of approximately 1,265 feet above mean sea level (amsl) and the local topography generally slopes to the west. USGS geologic mapping of the Redlands, California, Quadrangle indicates that the Site is largely underlain by young axial-valley deposits of Middle Holocene Age. These deposits consist of slightly to moderately consolidated silt, sand, and gravel.

Based on borings advanced during this investigation, the Site is primarily underlain by poorly graded sand with varying amounts of silt to at least 130 feet bgs. Layers of silt with varying amounts of clay were encountered at approximately 35, 75, and 105 to 110 feet bgs. Please see Appendix A for boring logs from this investigation.

Groundwater was first encountered beneath the Site at approximately 113 feet bgs. The water-bearing unit extended to at least 130 feet bgs, the maximum terminal depth of this investigation.

According to records from the SWRCB GeoTracker website, Lockheed Martin Corporation is under several Cleanup and Abatement Orders (CAOs) due to a release or releases associated with the former Lockheed Propulsion Company (LPC) Site at 1500 Crafton Avenue in Redlands. Associated groundwater impacts are referred to as the Crafton-Redlands plume, which is located in the eastern and central portions of the Bunker Hill Subbasin and consists of a perchlorate plume and a trichloroethene (TCE) plume that fully resides within the footprint of the perchlorate plume.

According to the 2020 Comprehensive Groundwater Sampling Event Report prepared by Tetra Tech, Inc. (Tetra Tech), dated November 24, 2020, for the LPC Site, groundwater in the eastern portion of the Bunker Hill Subbasin, east of California Street (inclusive of the Site), occurs under water table conditions. Groundwater flow in the eastern portion of the subbasin is generally from east to west toward the central portion of the subbasin.

According to the Tetra Tech report, production wells are located both up- and down-gradient of the Site. The Site is located within the lateral limits of the Crafton-Redlands perchlorate plume, but not the TCE plume.

4.0 FIELD ACTIVITIES

4.1 Permitting

Partner filed a well permit with the San Bernardino County Department of Public Health (DPH) Environmental Health Services (EHS) for each boring drilled to 20 feet bgs or deeper. EHS issued well permit numbers 2021010040 and 2021040238 for borings B1 and MW1, respectively. Please see Appendix B for copies of the permits filed for the project.

4.2 Health and Safety Plan

Partner implemented a site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of field activities.

4.3 Utility Clearance

Partner delineated the work area(s) with white spray chalk and notified Underground Service Alert (USA) to clear public utility lines as required by law at least 3 business days prior to drilling and/or excavation activities.

On January 20, 2021, Partner subcontracted with Subsurface Surveys & Associates, Inc. (SSS) to further clear boring locations of utility lines using electromagnetic induction (EM) equipment, magnetometers, ground-penetrating radar (GPR), and/or utility tracers. Please see Appendix C for the private utility locator report.

In addition, the upper 5 feet of boring locations was manually excavated with a hand-auger for further utility clearance.

4.4 Decontamination

Drilling and sampling equipment arrived pre-cleaned. Downhole equipment and materials were decontaminated in a detergent / tap water wash and double-rinsed with tap water or with a pressure washer between samples and/or borings to reduce the potential for cross-contamination.

4.5 Soil Gas Probes Installation

Sixteen nested soil gas probes (B1 through B12 and B15 through B18) were installed across the Site.

4.5.1 Drilling Equipment

Partner subcontracted with MR Drilling Co. (MR) (formerly J&H Drilling Co., Inc. [J&H]), a State-licensed water well drilling contractor (C57 license number 740854) to provide and operate drilling equipment. On January 20 and 21, 2021, MR installed soil gas probes B2 through B12 and B15 through B18 with track-mounted direct-push drill rigs. On January 22, 2021, MR installed soil gas probe B1 with a truck-mounted auger drill rig.

4.5.2 Soil Gas Probe Locations

Soil gas probe B1 was installed in the parking lot to the north of Building 1, in the vicinity where LOR previously detected peak VOC concentrations in soil gas. Soil gas probes B2 through B9 were installed throughout the Site's parking lot. Soil gas probe B10 was installed in Building 2. Soil gas probes B11, B12, and B15 through B18 were installed throughout Building 1.

Boring B13 was originally advanced in the west-central area of Building 1. However, an electrical line was encountered in the boring. Accordingly, the boring was abandoned, relocated several feet, and renamed B17.

Boring B14 was originally planned in the east-central area of Building 1. However, due to potential conflicts with an underground electrical line, the boring was relocated several feet and renamed B18.

In general, soil gas probe B1 was constructed to delineate the vertical extent of VOCs in the subsurface and the remaining soil gas probes were constructed to delineate the horizontal extent of VOCs at shallow depths across the Site. Please see Figure 2.2-1 for a map of the soil gas probes.

4.5.3 Sampling Depths

Boring B1 was advanced to a terminal depth of 75.75 feet bgs and boring B17 was advanced to drilling refusal, which was encountered at 6.5 feet bgs. The remaining borings were advanced to a terminal depth of 15.5 feet bgs.

Soil was collected from boring B1 in 5-foot intervals to the terminal depth and from the remaining borings continuously to the terminal depth.

Nested soil gas probes were constructed in boring B1 screened at 5, 15, 30, 50, and 75 feet bgs, and a soil gas probe was constructed in boring B17 screened at 5 feet bgs. In the remaining borings, nested soil gas probes were constructed screened at 5 and 15 feet bgs (at B15, the shallow soil gas probe was screened at 4 feet bgs since an asphalt layer was encountered in the boring at 5 feet bgs).

4.5.4 Soil Sampling Methodology

At B1, the drill rig advanced 8.25-inch outer diameter (OD) continuous flight hollow-stem augers into the subsurface after the initial hand-augering for utility clearance. Soil cuttings generated during drilling were carried upward by the auger flights to the ground surface and containerized by the drill rig crew. Discrete soil samples were collected at desired sampling depths using a 2-inch diameter California-modified split-spoon sampler advanced ahead of the lead auger. At a desired sampling depth, the split-spoon sampler was attached to the center drill string and driven within the auger column into the subsurface using the drill rig hammer system to allow undisturbed soil to enter the sampler a maximum of 18 inches or until refusal (i.e., hammer blow count of at least 50). The augers were advanced to the next sampling depth, the soil-filled sampler was retrieved from the subsurface, the soil core was recovered from the sampler, and sampling continued as described to the terminal depth.

Soil was collected from the remaining borings using a dual-tube sampler. After the initial hand-augering for utility clearance, the direct-push drill rig advanced 4-foot long by 2.25-inch diameter outer casing into

the subsurface. An inner drill string consisting of a 4-foot long by 1.125-inch diameter acetate liner connected to 1.25-inch diameter center rods was driven into the subsurface flush with the lead outer casing to allow undisturbed soil to enter the open liner. The inner drill string was retrieved from the cased boring to recover the soil-filled liner, a lengthwise section of each acetate liner was removed with a splitting tool to expose the soil core, and soil sampling continued as described to the terminal depth.

The soil cores were visually inspected for discoloration, monitored for odors, and classified in general accordance with the Unified Soil Classification System (USCS). Soil from select intervals was placed in a sealable plastic bag and field-screened for volatile organics with a calibrated photoionization detector (PID).

Discrete soil samples were prepared for laboratory analysis from each boring in 5-foot intervals to the terminal depth. At a desired sampling depth, subcores were collected directly from the soil core using a dedicated disposable plastic syringe, which were retained in two pre-weighed, laboratory-supplied, 40-milliliter, sodium bisulfate-preserved volatile organics analysis vials (VOAs) in accordance with EPA Method 5035 sampling protocol and sealed with Teflon-lined septum caps. Additional soil for each sample was retained in the original sample liner, which was cut and sealed on either end with Teflon tape and plastic caps, or transferred to a glass jar, which was filled with no observable headspace and sealed with Teflon tape and a threaded cap. Each sample container was labeled for identification and stored in iced coolers.

4.5.5 Soil Gas Probe Construction

Nested soil gas probes were constructed in boring B1 upon advancement to the terminal depth. New ¼-inch diameter Nylaflow tubing with a 6-inch long stainless steel vapor implant at the terminal end was suspended within the auger flights with the aid of blank polyvinyl chloride (PVC) casing to the deepest desired sampling depth and #3 sand was poured into the annulus to form an approximately 1.5-foot long sand pack around the vapor implant. Approximately 6 inches of dry transitional granular bentonite was placed atop the sand pack and the annulus was backfilled with hydrated bentonite to approximately 1.25 feet below the next desired sampling depth. Approximately 6 inches of dry transitional granular bentonite was placed atop the hydrated bentonite and the next soil gas probe was constructed as previously described. Additional shallower soil gas probes within the boring were similarly constructed. Upon installation of the shallowest probe, the remainder of the annulus was backfilled with hydrated bentonite to approximately 1 foot bgs to form a seal. The augers were retrieved from the subsurface as the nested soil gas probes were constructed and the depth to the annular materials was periodically measured to verify that bridging was not occurring. Each probe was fitted with a valve on the sampling end of the tubing and labeled for identification. An 8-inch diameter, flush-mounted, traffic-rated vault was installed at the ground surface within a concrete pad to house the nested soil gas probes.

Nested soil gas probes were constructed within each direct-push boring upon advancement to the terminal depth and withdrawal of downhole casing. Where necessary, the boring was first backfilled with hydrated bentonite chips to raise the terminal depth to approximately 6 inches below the deepest soil gas probe screening depth. New ¼-inch diameter Nylaflow tubing with a 1-inch long by 0.5-inch diameter

stainless steel vapor implant at the terminal end was inserted into the boring with the aid of blank PVC casing to the deepest desired sampling depth and #3 sand was poured into the boring annulus to form an approximately 1-foot long sand pack around the vapor implant. The PVC casing was withdrawn from the boring; approximately 6 inches of dry, granular bentonite was placed atop the sand pack; and the boring annulus was backfilled with hydrated bentonite to approximately 1 foot below the next desired sampling depth. Approximately 6 inches of dry transitional granular bentonite was placed atop the hydrated bentonite and the next soil gas probe was constructed as previously described. Upon installation of the shallowest probe, the remainder of the boring annulus was backfilled with hydrated bentonite to approximately 1 foot bgs to form a seal. The depth to the annular materials was periodically measured to verify that bridging was not occurring. Each probe was fitted with a valve on the sampling end of the tubing and labeled for identification. An 8-inch diameter, flush-mounted, traffic-rated vault was installed at the ground surface within a concrete pad to house the nested soil gas probes.

Please see Appendix A for the nested soil gas probe construction diagrams integrated into the respective boring logs.

4.6 Monitoring Well Installation

4.6.1 Drilling Equipment

Partner subcontracted with MR to provide and operate drilling equipment. On April 13 and 14, 2021, MR installed groundwater monitoring well MW1 with a truck-mounted auger drill rig.

4.6.2 Monitoring Well Location

Groundwater monitoring well MW1 was installed adjacent to soil gas probe B1 where LOR previously detected peak VOC concentrations in soil gas. Please see Figure 2.2-1 for a map of the groundwater monitoring well.

4.6.3 Sampling Depths

Boring MW1 was advanced to a terminal depth of 130.5 feet bgs. Soil was collected from the boring in 5-foot intervals from 80 feet bgs to the terminal depth. A grab groundwater sample was collected from the boring during monitoring well construction and a groundwater sample was collected from the monitoring well after construction and development. In addition, a soil gas probe was integrated into the well annulus screened at 95 feet bgs. The integrated soil gas probe was considered a continuation of adjacent nested soil gas probe B1.

4.6.4 Soil Sampling Methodology

Soil samples were collected from auger boring MW1 and prepared for laboratory analysis as described in Section 4.5.4.

4.6.5 Grab Groundwater Sampling Methodology

A grab groundwater sample was collected from the boring during monitoring well construction (described in the following Section). The grab groundwater sample was collected using a bailer with the well screen and riser in place. After purging one or more bailers of groundwater from the casing, groundwater was retrieved downhole with the bailer and decanted into laboratory-supplied, 40-milliliter, hydrochloric acid-preserved VOAs, which were filled and sealed with Teflon-lined septum caps with no observable headspace or air bubbles to reduce the potential for volatilization, labeled for identification, and stored in an iced cooler. Monitoring well construction continued after grab groundwater sample collection.

4.6.6 Monitoring Well Construction

The monitoring well was constructed of 2-inch diameter, 0.010-inch slotted schedule 80 PVC screen spanning from approximately 110 to 130 feet bgs (20 feet of screen) and sufficient 2-inch diameter schedule 80 PVC riser to extend to the ground surface. The terminal end of the monitoring well was fitted with a PVC end cap, the well segments were attached with threaded connections, and the wellhead was fitted with a locking cap. The integrated soil gas probe was constructed of new ¼-inch diameter Nylaflow tubing with a 6-inch long stainless steel vapor implant, mirroring the construction of adjacent nested soil gas probe B1.

The monitoring well was constructed within the auger flights upon drilling and sampling to the terminal depth. The well casing was suspended in the center of the auger flights approximately 6 inches above the boring terminal depth and the well annulus was backfilled from the bottom upwards with #2/16 sand to approximately 2 feet above the well screen. The annulus above the sand pack was backfilled with hydrated bentonite to approximately 1.25 feet below the desired soil gas sampling depth. Approximately 6 inches of dry transitional granular bentonite was placed atop the hydrated bentonite and the soil gas probe tubing with vapor implant was suspended in the annulus with the aid of blank PVC casing to the desired sampling depth. #3 sand was poured into the annulus to form an approximately 1.5-foot long sand pack around the vapor implant. Approximately 6 inches of dry transitional granular bentonite was placed atop the sand pack and the remainder of the annulus was backfilled with cement-bentonite grout to approximately 1 foot bgs to form a seal. The augers were retrieved from the subsurface as the well was constructed and the depth to the annular materials was periodically measured to verify that bridging was not occurring. The probe was fitted with a valve on the sampling end of the tubing and labeled for identification. A 12-inch diameter, flush-mounted, traffic-rated vault was installed at the ground surface within a concrete pad to house the groundwater monitoring well and nested soil gas probe. Please see Appendix A for the well construction diagram integrated into the respective boring log.

4.6.7 Monitoring Well Development

Partner subcontracted with MR to develop the newly installed monitoring well on April 21, 2021. MR developed the well by block-surging, bailing sediment, and over-pumping a minimum of 10 water-filled casing volumes. During development, purge water was periodically monitored for turbidity, pH, electrical conductivity, and/or temperature. Well development ceased after over-pumping the minimum purge

volume and stabilization of the water parameters. Please see Appendix D for the well development field sheets.

4.6.8 Monitoring Well Sampling Methodology

On May 3, 2021, Partner subcontracted with Blaine Tech Services, Inc. (Blaine Tech) to provide and operate well sampling equipment. Please see Appendix E for a discussion of general field procedures for the groundwater elevation measurements, well purging, and sampling and Appendix F for the groundwater monitoring field sheets.

Blaine Tech performed low-flow purging and sampling with a bladder pump for this Site. Purge water parameters were measured in the field with a HACH turbidimeter for turbidity and a YSI Model Professional Plus multi-parameter meter with flow cell for temperature, pH, specific conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Blaine Tech calibrated the field instruments prior to use.

Once parameters stabilized, groundwater was conveyed from the bladder pump outlet into laboratory-supplied, 40-milliliter, hydrochloric acid-preserved VOAs, which were filled and sealed with Teflon-lined septum caps with no observable headspace or air bubbles to reduce the potential for volatilization, labeled for identification, and stored in an iced cooler.

Please note that the MW1 wellhead elevation was not surveyed as part of this investigation. As such, the groundwater elevation in the monitoring well was unable to be calculated.

4.7 Soil and Groundwater Laboratory Analysis

Soil and groundwater samples were transferred in iced coolers under chain-of-custody protocol to Alpha Scientific Corporation (ASC), a State-accredited laboratory (SWRCB Division of Drinking Water [DDW] Environmental Laboratory Accreditation Program [ELAP] certificate number 3007) in Cerritos, California, for analysis. Soil samples from boring MW1 in 10-foot intervals from 80 feet bgs to the terminal depth, each of the soil samples from the remaining borings, and the groundwater samples were analyzed for VOCs in accordance with EPA Method 8260B.

4.8 Soil Gas Sampling Methodology and Laboratory Analysis

Partner subcontracted with H&P Mobile Geochemistry, Inc. (H&P), a U.S. Department of Defense (DoD) accredited mobile laboratory (DoD-ELAP certificate number L19-589-R1) based in Carlsbad, California, to provide soil gas sampling and mobile laboratory field services on February 23 and 25 and April 19, 2021. H&P collected and analyzed soil gas samples from the newly installed soil gas probes in general accordance with the July 2015 DTSC and Los Angeles Regional Water Quality Control Board (LARWQCB) "Advisory – Active Soil Gas Investigations." The mobile laboratory was calibrated at the beginning of each field day prior to the first sample analysis. Soil gas probes equilibrated for a minimum of 48 hours after installation prior to sampling.

A shut-in test was performed at each soil gas probe prior to purging and sampling to identify potential leaks by evacuating the aboveground sampling train to approximately 100 inches of water column (" WC).

The shut-in test was considered acceptable if the vacuum level did not dissipate over a nominal period of 60 seconds. Conversely, a loss of vacuum would indicate a potential leak in the sampling train, which would require shut-in retesting after adjustments to the aboveground sampling train fittings and connections.

H&P purged approximately three purge volumes from each probe after shut-in testing at a flow rate of approximately 200 milliliters per minute (mL/min) (up to 2 liters per minute [L/min] for probes with large purge volumes) while maintaining a vacuum of less than 100" WC. One purge volume included the internal volume of the tubing and vapor implant, the void space of the soil gas probe sand pack, and the void space of the dry, granular bentonite above and below the sand pack.

A sample was collected from each soil gas probe within the closed system of the aboveground sampling train with gas-tight glass syringes after purging. A vacuum of less than 100" WC was maintained during sample collection. Each sample was injected into the mobile laboratory gas chromatograph / mass spectrometer (GC/MS) for VOCs analysis in accordance with EPA Method 8260B within 30 minutes of sample collection.

If the vacuum approached 100" WC during purging and/or sampling, the sampling train was left under vacuum and monitored. Sampling activities ceased and the probe was considered to be under "no flow" conditions if the vacuum did not dissipate after a nominal period of 3 minutes. "No flow" conditions were not encountered during this investigation.

4.9 Investigation-Derived Waste

Investigation-derived waste (IDW) (e.g., soil cuttings, decontamination and purge water) was containerized in sealed and labeled 55-gallon steel drums approved by the Department of Transportation (DOT) and stored on-site. A total of 26 drums of soil and 5 drums of water were generated during this investigation.

The IDW was profiled based on laboratory analysis results and transported to permitted receiving facilities for recycling, treatment, and/or disposal. Partner will issue an addendum to this report once disposal documentation is available from the receiving facilities.

5.0 DISCUSSION

5.1 Laboratory Results and Quality Assurance / Quality Control

Please see Tables 5.1-1 and 5.1-2 for the current soil and soil gas VOCs laboratory analysis results, respectively; Tables 2.1-2 and 2.1-2 for cumulative soil and soil gas VOCs laboratory analysis results, respectively; Table 5.1-3 for the groundwater VOCs laboratory analysis results; and Appendix G for the laboratory analysis reports, which include chain-of-custody and laboratory Quality Assurance / Quality Control (QA/QC) documentation.

The soil, soil gas, and groundwater samples were analyzed within the respective analysis hold times.

The laboratories ran surrogate samples, method blanks (MB), matrix spikes (MS), matrix spike duplicates (MSD), laboratory control spikes (LCS), laboratory control spike duplicates (LCSD), and/or continuing calibration verifications (CCV) as part of its QA/QC program. Partner noted the following for H&P laboratory report number PAR022321-SB1:

- Surrogate dibromofluoromethane recovery was above the acceptability range for sample B1 at 50 feet bgs. The results were considered acceptable since recovery of the remaining surrogates was within established control limits;
- Chloroethane and trichlorofluoromethane (Freon 11) LCS recoveries for batch EB12508 were above the respective acceptability ranges. Accordingly, results of these analytes for samples analyzed under this batch QC may be biased high;
- Isopropylbenzene, naphthalene, and bromomethane CCV recoveries for batch EB12309 were below the respective acceptability ranges. Accordingly, results for these analytes for samples analyzed under this batch QC may be biased low;
- Naphthalene CCV recovery for batch EB12507 was below the acceptability range. Accordingly, results for this analyte for samples analyzed under this batch QC may be biased low; and
- 1,1-Difluoroethane CCV recovery for batch EB12508 was below the acceptability range. Accordingly, results for this analyte for samples analyzed under this batch QC may be biased low.

Partner noted in H&P laboratory report number PAR041921-ML that chloroethane; methylene chloride; 1,1,2-trichoroethane (TCA); and 1,1,2,2-tetrachloroethane (R-130) LCS recoveries for batch ED11909 were above the respective acceptability ranges. Accordingly, results for these analytes for samples analyzed under this batch QC may be biased high.

The remaining laboratory QA/QC data were within acceptable limits and/or did not affect data interpretation.

A field replicate was collected and analyzed each field day for each mobile laboratory to evaluate the precision of the laboratory analysis. Soil gas probes B1 at 30 and 95 feet bgs, B6 at 15 feet bgs, and B7 at 5 feet bgs were selected for replicate sampling and analysis.

Identical analytes were identified between each pair of original and replicate samples except B1 at 95 feet bgs where 1,1-difluoroethane (leak check compound [LCC]) was detected in the replicate sample, but not

the original sample. The results were considered acceptable since the detected LCC concentration was less than five times the laboratory Reporting Limit (RL). The relative percent difference (RPD) in concentrations of the remaining detected analytes between the original and replicate sample pairs ranged from 4.9% to 21%, 7.7% to 29%, 2.0% to 12%, and 8.0% to 12%, respectively. The results were considered acceptable since the RPDs did not exceed 50%.

Tracer gas (LCC) 1,1-difluoroethane was placed at the ground surface near the soil gas probe and aboveground sampling train while sampling to evaluate the potential for ambient air intrusion. The LCC, detection of which would indicate that atmospheric leakage had occurred during sampling, was included on the list of target analytes. The LCC was detected in five samples: B1 at 95 feet bgs (replicate); B11 at 5 feet bgs, B12 at 15 feet bgs, B15 at 4 feet bgs, and B17 at 5 feet bgs. The results were considered acceptable since the detected LCC concentrations were less than 10 times the respective laboratory RLs.

5.2 VOCs in Soil

TCE was detected in 5 of the 66 analyzed soil samples at concentrations ranging from 2.3 to 4.1 micrograms per kilogram (μg/kg). Other VOCs detected in soil included benzene in two samples and naphthalene in one sample.

To evaluate the laboratory analysis results, Partner compared the VOC detections in soil to Regional Screening Levels (RSLs) and Note 3 Screening Levels (DTSC-SLs).

RSLs are generic, risk-based chemical concentrations developed by EPA for use in initial screening-level evaluations. RSLs combine human health toxicity values with standard exposure factors to estimate chemical concentrations for soil, tap water, and ambient air that are considered to be protective of human health over a lifetime through direct-contact exposure pathways (e.g., via inhalation and/or ingestion of and/or dermal contact with impacted soil). RSLs are not legally enforceable standards, but rather are considered guidelines to evaluate if potential risks associated with impacted media may warrant further evaluation.

The DTSC Human and Ecological Risk Office (HERO) has developed modified DTSC-SLs based on the RSLs for use in screening-level risk assessments for California sites and facilities. The DTSC-SLs for soil, tap water, and ambient air are compiled under HERO Human Health Risk Assessment Note 3.

Please see Table 5.1-1 for a comparison of the soil analysis results and the respective residential and commercial/industrial soil SLs. The presented SLs were the most conservative values between RSLs and DTSC-SLs. No VOCs were detected in soil above residential or commercial/industrial soil SLs.

5.3 VOCs in Soil Gas

TCE was detected in 31 of the 35 analyzed soil gas samples at concentrations ranging from 0.026 to 23 micrograms per liter (μg/L). Other VOCs frequently detected in soil gas included various other chlorinated ethenes (e.g., tetrachloroethene [PCE] and 1,1-dichloroethene [DCE]) as well as chlorinated ethanes (e.g., 1,1-dichloroethane [DCA] and 1,1,1-TCA) and chloroform (a chlorinated methane).

Volatile chemicals in the subsurface can migrate upward through the soil and enter buildings, causing unacceptable chemical exposure for building occupants (i.e., vapor intrusion). DTSC has developed "Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air" (Vapor Intrusion Guidance; release date October 2011), which provides a recommended approach for evaluating vapor intrusion into buildings and its subsequent impact on indoor air quality. According to the Vapor Intrusion Guidance, a preliminary screening evaluation for potential vapor intrusion concerns can be performed by applying an Attenuation Factor (AF) to detected soil gas concentrations to calculate corresponding theoretical indoor air concentrations. The relationship between the AF, the indoor air concentration of a VOC, and the soil gas concentration of a VOC is described below:

$$\alpha = \frac{C_{indoor}}{C_{soil\ gas}}$$

where: α = AF

C_{indoor} = Indoor Air Concentration of a VOC

$C_{soil\ gas}$ = Soil Gas Concentration of a VOC

To evaluate potential vapor intrusion concerns associated with VOCs in soil gas, Partner calculated soil gas SLs based on the above equation using the default AF from EPA's OSWER [Office of Solid Waste and Emergency Response] Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, dated June 2015, for the residential and commercial/industrial land use scenarios (AF of 0.03 for both) along with the most conservative residential and commercial/industrial ambient air SLs between RSLs and DTSC-SLs. A summary of the soil gas SL calculations is presented in Table 5.3-1 and a comparison of the soil gas VOC concentrations during this investigation and the respective SLs is presented in Table 5.1-2.

Of the 31 soil gas samples with TCE detections, each exceeded the residential SL and 23 of the samples exceeded the commercial/industrial SL. Among the other VOCs detected in soil gas, the following were detected in at least one sample at a concentration exceeding the respective commercial/industrial SL: PCE (4 samples); 1,1-DCE (2 samples); 1,1-DCA (9 samples); 1,1,1-TCA (1 sample); 1,1,2-TCA (1 sample); and chloroform (13 samples).

The cumulative investigation results indicate that TCE is the primary chemical of concern at the Site based on the frequency and magnitude of detections and chemical toxicity. Notably, in each soil gas sample where one or more of the other chlorinated VOCs were detected, TCE was also detected in the sample, typically at the highest concentration among the VOCs.

Please see Figures 5.3-1 and 5.3-2 for soil gas TCE isoconcentrations at 5 and 15 feet bgs, respectively. The former illustrates that TCE impacts are generally centered on the exterior area to the north of Building 1, in the vicinity of the former fire suppression water overflow collection trap. The lateral extent of TCE in soil gas at 5 feet bgs has been delineated in the easterly, southerly, and westerly directions. Some uncertainty remains regarding the lateral extent in the northly and northwesterly directions, though concentrations are trending downward in those directions. In addition, the lateral extent of TCE in soil gas

exceeding the commercial/industrial SL appears to be largely within the Site's property boundaries. The lateral distribution of TCE in soil gas at 15 feet bgs generally mirrored the lateral distribution at 5 feet bgs.

TCE was detected in soil gas at B1 from 5 to 95 feet bgs, indicating that the release has impacted the vertical soil column above groundwater at that location. The highest TCE concentration at B1 was detected at 30 feet bgs, located just above a silt layer that was encountered at approximately 35 feet bgs.

5.4 VOCs in Groundwater

The following VOCs were detected in groundwater from monitoring well MW1: TCE; cis-1,2-DCE; 1,1-DCE; 1,1-DCA; and 1,1,1-TCA.

To evaluate the laboratory analysis results, Partner compared the VOC detections in groundwater to Maximum Contaminant Levels (MCLs), which are primary standards of drinking water established by SWRCB. MCLs are available for various chemicals and are considered concentrations that are health-protective of human exposures over a lifetime through direct-contact exposure pathways (e.g., ingestion).

Please see Table 5.1-3 for a comparison of the groundwater analysis results and the MCLs. TCE and 1,1-DCE were detected in groundwater above the respective MCLs.

6.0 SUMMARY AND CONCLUSIONS

Partner performed Additional Site Characterization to further delineate the extent of VOCs in the subsurface. The scope of the project included installation and sampling of 16 nested soil gas probes and a groundwater monitoring well with a nested soil gas probe.

TCE was detected in 5 of the 66 analyzed soil samples at concentrations ranging from 2.3 to 4.1 µg/kg. Other VOCs detected in soil included benzene in two samples and naphthalene in one sample. No VOCs were detected in soil above residential or commercial/industrial soil SLs.

TCE was detected in 31 of the 35 analyzed soil gas samples at concentrations ranging from 0.026 to 23 µg/L. Other VOCs frequently detected in soil gas included various other chlorinated ethenes (e.g., PCE and 1,1-DCE) as well as chlorinated ethanes (e.g., 1,1-DCA and 1,1,1-TCA) and chloroform (a chlorinated methane). Of the 31 soil gas samples with TCE detections, each exceeded the residential SL and 23 of the samples exceeded the commercial/industrial SL. Among the other VOCs detected in soil gas, the following were detected in at least one sample at a concentration exceeding the respective commercial/industrial SL: PCE (4 samples); 1,1-DCE (2 samples); 1,1-DCA (9 samples); 1,1,1-TCA (1 sample); 1,1,2-TCA (1 sample); and chloroform (13 samples).

TCE in the subsurface is primarily in the soil gas phase and generally centered on the exterior area to the north of Building 1, in the vicinity of the former fire suppression water overflow collection trap. The lateral extent of TCE in soil gas at 5 feet bgs has been delineated in the easterly, southerly, and westerly directions. Some uncertainty remains regarding the lateral extent in the northly and northwesterly directions, though concentrations are trending downward in those directions. In addition, the lateral extent of TCE in soil gas exceeding the commercial/industrial SL appears to be largely within the Site's property boundaries. The lateral distribution of TCE in soil gas at 15 feet bgs generally mirrored the lateral distribution at 5 feet bgs.

TCE was detected in soil gas at B1 from 5 to 95 feet bgs, indicating that the release has impacted the vertical soil column above groundwater at that location. The highest TCE concentration at B1 was detected at 30 feet bgs, located just above a silt layer that was encountered at approximately 35 feet bgs.

The following VOCs were detected in groundwater from monitoring well MW1: TCE; cis-1,2-DCE; 1,1-DCE; 1,1-DCA; and 1,1,1-TCA. TCE and 1,1-DCE were detected in groundwater above the respective MCLs.

The cumulative investigation results indicate that a release of chlorinated VOCs, primarily TCE, occurred in the general vicinity of the former fire suppression water overflow collection trap. The release has migrated horizontally impacting the majority of the Site's footprint and migrated vertically to groundwater.

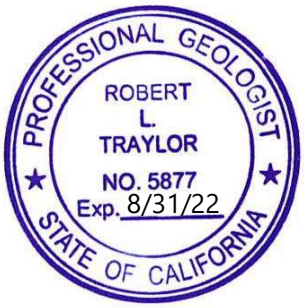
7.0 SIGNATURES OF PARTICIPATING PROFESSIONALS

Thank you for the opportunity to be of service. If you have questions regarding this report, please contact the undersigned at (310) 615-4500.

Sincerely,

Rodolfo Nadres, EIT
Project Manager

Robert Traylor, PG 5877, CHg 582
Principal – Site Mitigation



8.0 LIMITATIONS

This report presents a summary of work performed by Partner under the professional direction and review of the registered professional(s) listed. The work includes observations of site conditions encountered and the analytical results provided by independent third-party laboratories of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

The recommendations and/or conclusions provided in this report are based on observations, governing regulations, and/or available information from regulatory agencies; previous field investigations; and/or the results of laboratory analysis of soil, soil gas, and/or groundwater samples. Recommendations and/or conclusions beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were performed in accordance with generally accepted practices in the environmental engineering and science, engineering geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

Reports, both verbal and written, as they pertain to the Site are for the sole use and benefit of the Client. This report has no other purpose and may not be relied upon by another person or entity without the written consent of Partner. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors, or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client, and their respective officers, employees, vendors, successors, and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees), and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

TABLES

Table 2.2-1: Cumulative Soil VOCs Laboratory Results (µg/kg)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Methylene Chloride	Benzene	Toluene	Xylenes	Naphthalene	Other Volatile Organic Compounds (VOCs)
Residential Soil SL			**590**	**940**	**18,000**	**83,000**	**3,600**	**460**	**1,700,000**	**1,100**	**2,200**	**330**	**1,100,000**	**580,000**	**2,000**	**NA**
Commercial/Industrial Soil SL			**2,700**	**6,000**	**84,000**	**350,000**	**16,000**	**2,000**	**7,200,000**	**5,000**	**26,000**	**1,400**	**5,300,000**	**2,500,000**	**6,500**	**NA**
		Basis [A]	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	NA
SB-1	15	10/28/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	ND
SB-1	20	10/28/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	ND
SB-1	25	10/28/94	<5	**9**	<5	<5	**12**	<5	**81**	<5	<5	<5	<5	**7**	NA	ND
SB-1	30	10/28/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	ND
SB-2	15	10/28/94	<5	**100**	**45**	**64**	**93**	**8**	**740**	**7**	<5	<5	<5	<5	NA	ND
SB-2	20	10/28/94	<5	**9**	<5	<5	**8**	<5	**92**	<5	<5	<5	<5	<5	NA	ND
SB-2	25	10/28/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	ND
SB-3	10	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	**8**	<5	<5	<5	<5	ND
SB-3	15	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-3	20	12/22/94	<5	**9**	<5	<5	**7**	<5	**32**	<5	**6**	<5	<5	<5	<5	ND
SB-3	25	12/22/94	<5	<5	<5	<5	<5	<5	**5**	<5	**6**	<5	<5	<5	<5	ND
SB-3	30	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-4	10	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-4	15	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-4	20	12/22/94	<5	<5	<5	<5	**17**	<5	**100**	<5	<5	<5	<5	<5	<5	ND
SB-4	25	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-4	30	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-5	10	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-5	15	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-5	20	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-5	25	12/22/94	<5	**8**	**6**	<5	**14**	<5	**40**	<5	<5	<5	<5	<5	<5	ND
SB-5	30	12/22/94	<5	<5	<5	<5	<5	<5	**9**	<5	<5	<5	<5	<5	<5	ND
SB-6	10	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-6	15	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-6	20	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-6	25	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-6	30	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-7	10	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-7	15	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-7	20	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-7	25	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
SB-7	30	12/22/94	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND
B1	**5**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**10**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**15**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**20**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**25**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**30**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**35**	**01/22/21**	<2	**4.1 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**40**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**45**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**50**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**55**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**60**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**65**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**70**	**01/22/21**	<2	**3.5 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**75**	**01/22/21**	<2	**3.1 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**5**	**01/21/21**	<2	**2.3 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B12	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND

Table 2.2-1: Cumulative Soil VOCs Laboratory Results (µg/kg)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Methylene Chloride	Benzene	Toluene	Xylenes	Naphthalene	Other Volatile Organic Compounds (VOCs)
Residential Soil SL			**590**	**940**	**18,000**	**83,000**	**3,600**	**460**	**1,700,000**	**1,100**	**2,200**	**330**	**1,100,000**	**580,000**	**2,000**	**NA**
Commercial/Industrial Soil SL			**2,700**	**6,000**	**84,000**	**350,000**	**16,000**	**2,000**	**7,200,000**	**5,000**	**26,000**	**1,400**	**5,300,000**	**2,500,000**	**6,500**	**NA**
		Basis [A]	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	NA
B12	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B12	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B13	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	**2.4**	<1	<2	**2.6 J**	ND
B13	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B16	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B16	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	**1.1 J**	<1	<2	<2	ND
B16	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B17	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**80**	**04/13/21**	<2	**3.7 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**90**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**100**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**110**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**120**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**130**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND

Notes:

[A]Most conservative SL between EPA's RSLs (May 2021) and DTSC's HERO Note 3 DTSC-SLs (June 2020)

Blue highlighted concentrations exceed residential soil SLs

Orange highlighted concentrations exceed commercial/industrial soil SLs

µg/kg = micrograms per kilogram

bgs = below ground surface

SL = Screening Level

NA = not available or applicable

RSL = Regional Screening Level

< = not detected above indicated laboratory Method Detection Limit (MDL) or Reporting Limit (RL)

ND = not detected above laboratory MDLs or RLs

J = trace level (below laboratory Practical Quantitation Limit [PQL])

EPA = U.S. Environmental Protection Agency

DTSC = Department of Toxic Substances Control

HERO = Human and Ecological Risk Office

Table 2.2-2: Cumulative Soil Gas VOCs Laboratory Results (µg/L)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Chloroethane (Ethyl Chloride)	Chloroform	Toluene	1,1-Difluoroethane (LCC)	Other Volatile Organic Compounds (VOCs)
Residential Soil Gas SL (AF = 0.03)			**0.015**	**0.016**	**0.28**	**2.4**	**0.060**	**33**	**0.0060**	**330**	**0.0040**	**10**	**NA**	**NA**
Commercial/Industrial Soil Gas SL (AF = 0.03)			**0.067**	**0.10**	**1.2**	**10**	**0.26**	**150**	**0.026**	**1,500**	**0.018**	**43**	**NA**	**NA**
SVP-1	5	11/08/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-2	5	11/06/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-3	5	11/06/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-4	5	11/06/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-5	5	11/07/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-6	5	11/07/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-7	5	11/07/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-8	3	11/08/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-9	3.5	11/08/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-10	5	11/08/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-11	5	11/06/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-12	5	11/06/19	<0.01	<0.01	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-13	5	11/06/19	**0.47**	**0.27**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-14	5	11/08/19	**0.08**	**0.12**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-15	5	11/08/19	**0.61**	**0.64**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-16	5	11/07/19	**0.08**	**2.97**	<0.20	**2.06**	**1.60**	**25.69**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-17	5	11/07/19	**0.15**	**4.92**	<0.20	**4.05**	**5.10**	**76.78**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-18	5	11/07/19	<0.01	**1.49**	<0.20	**1.11**	<0.05	**5.23**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-19	5	11/07/19	<0.01	**1.06**	<0.20	<1.00	<0.05	**12.28**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-20	5	11/07/19	**0.48**	**37.33**	**1.65**	**22.54**	**58.71**	**1,050.42**	<0.01	<1.00	**0.22**	<1.00	NA	ND
SVP-21	5	11/07/19	**0.59**	**21.30**	<0.20	**19.60**	**27.79**	**567.36**	<0.01	<1.00	**0.11**	<1.00	NA	ND
SVP-22	5	11/07/19	**0.23**	**8.01**	<0.20	**6.78**	**7.23**	**137.42**	<0.01	<1.00	**0.16**	<1.00	NA	ND
SVP-23	5	11/06/19	**0.25**	**6.43**	<0.20	**4.23**	**1.78**	**79.16**	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-24	5	11/07/19	**0.02**	**0.94**	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-25	5	11/07/19	**0.03**	**0.99**	<0.20	<1.00	<0.05	**1.71**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-26	5	11/07/19	**0.04**	**1.73**	<0.20	<1.00	<0.05	**1.26**	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-27	5	11/07/19	**0.06**	**1.68**	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-28	5	11/07/19	**0.05**	**1.74**	<0.20	<1.00	<0.05	<1.00	<0.01	<1.00	<0.004	<1.00	NA	ND
SVP-29	4	11/06/19	**0.08**	**1.70**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-30	4	11/06/19	**0.09**	**1.88**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-31	5	11/06/19	**0.07**	**0.65**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-32	4	11/06/19	**0.11**	**1.17**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-33	5	11/06/19	**0.11**	**2.03**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
SVP-34	5	11/16/19	**1.51**	**2.56**	<0.20	<1.00	<0.05	<1.00	<0.005	<1.00	<0.004	<1.00	NA	ND
B1	**5**	**02/23/21**	**0.035**	**1.6**	<0.10	**1.4**	**2.2**	**15**	<0.10	<0.10	**0.026**	<0.20	<0.10	ND
B1	**15**	**02/23/21**	**0.12**	**6.1**	**0.32**	**3.9**	**8.4**	**50**	<0.10	**0.17**	**0.079**	<0.20	<0.10	ND
B1	**30**	**02/23/21**	**0.53**	**23**	**0.95**	**21**	**20**	**160**	<0.50	<0.50	**0.14**	<1.0	<0.50	ND
B1	**50**	**02/23/21**	<0.40	**11**	<2.0	**15**	**6.2**	**44**	<2.0	<2.0	<0.40	<4.0	<2.0	ND
B1	**75**	**02/23/21**	**0.42**	**16**	**0.92**	**10**	**3.7**	**10**	**0.34**	<0.10	**0.15**	<0.20	<0.10	ND
B1	**95**	**04/19/21**	**0.025**	**0.92**	<0.10	**1.6**	**0.11**	**0.24**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B2	**5**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B2	**15**	**02/25/21**	<0.020	**0.028**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	**1.3**	<0.10	ND
B3	**5**	**02/25/21**	<0.020	**0.20**	<0.10	**0.12**	<0.10	<0.10	<0.10	<0.10	**0.12**	<0.20	<0.10	ND
B3	**15**	**02/25/21**	<0.020	**0.31**	<0.10	**0.22**	<0.10	<0.10	<0.10	<0.10	**0.19**	<0.20	<0.10	ND
B4	**5**	**02/25/21**	<0.020	**0.074**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B4	**15**	**02/25/21**	<0.020	**0.44**	<0.10	**0.30**	<0.10	**0.13**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B5	**5**	**02/25/21**	**0.020**	**0.46**	<0.10	**0.32**	**0.16**	**1.0**	<0.10	<0.10	**0.11**	<0.20	<0.10	ND
B5	**15**	**02/25/21**	**0.023**	**0.90**	<0.10	**0.69**	**0.37**	**1.7**	<0.10	<0.10	**0.23**	<0.20	<0.10	ND
B6	**5**	**02/25/21**	<0.020	**0.46**	<0.10	**0.32**	**0.26**	**1.5**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B6	**15**	**02/25/21**	**0.050**	**1.8**	<0.10	**1.5**	**1.2**	**5.6**	<0.10	<0.10	**0.038**	<0.20	<0.10	ND
B7	**5**	**02/25/21**	<0.020	**0.15**	<0.10	**0.12**	<0.10	**0.10**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B7	**15**	**02/25/21**	<0.020	**0.34**	<0.10	**0.28**	<0.10	**0.17**	<0.10	<0.10	**0.021**	<0.20	<0.10	ND
B8	**5**	**02/25/21**	<0.020	**0.026**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.039**	<0.20	<0.10	ND
B8	**15**	**02/25/21**	<0.020	**0.038**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.075**	<0.20	<0.10	ND
B9	**5**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B9	**15**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B10	**5**	**02/25/21**	<0.020	**0.45**	<0.10	**0.14**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B10	**15**	**02/25/21**	<0.020	**0.52**	<0.10	**0.28**	<0.10	<0.10	<0.10	<0.10	**0.023**	<0.20	<0.10	ND
B11	**5**	**02/25/21**	<0.020	**0.36**	<0.10	**0.26**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.12**	ND
B11	**15**	**02/25/21**	<0.020	**0.83**	<0.10	**0.50**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B12	**5**	**02/25/21**	<0.020	**0.039**	<0.10	<0.10	<0.10	**0.51**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B12	**15**	**02/25/21**	<0.020	**0.69**	<0.10	**0.48**	**0.53**	**6.3**	<0.10	<0.10	<0.020	<0.20	**0.56**	ND
B15	**4**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.16**	ND
B15	**15**	**02/25/21**	<0.020	**0.027**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B16	**5**	**02/25/21**	<0.020	**0.046**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B16	**15**	**02/25/21**	<0.020	**0.054**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B17	**5**	**02/25/21**	<0.020	**0.38**	<0.10	**0.14**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.59**	ND
B18	**5**	**02/25/21**	**0.023**	**1.4**	<0.10	**1.1**	**0.16**	**0.81**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B18	**15**	**02/25/21**	**0.093**	**5.3**	**0.14**	**3.7**	**0.66**	**2.6**	<0.10	<0.10	<0.020	<0.20	<0.10	ND

Table 2.2-2: Cumulative Soil Gas VOCs Laboratory Results (µg/L)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Chloroethane (Ethyl Chloride)	Chloroform	Toluene	1,1-Difluoroethane (LCC)	Other Volatile Organic Compounds (VOCs)
Residential Soil Gas SL (AF = 0.03)			**0.015**	**0.016**	**0.28**	**2.4**	**0.060**	**33**	**0.0060**	**330**	**0.0040**	**10**	**NA**	**NA**
Commercial/Industrial Soil Gas SL (AF = 0.03)			**0.067**	**0.10**	**1.2**	**10**	**0.26**	**150**	**0.026**	**1,500**	**0.018**	**43**	**NA**	**NA**

Notes:
Blue highlighted concentrations exceed residential soil gas SLs (Attenuation Factor [AF] = 0.03)
Orange highlighted concentrations exceed commercial/industrial soil gas SLs (AF = 0.03)
µg/L = micrograms per liter
bgs = below ground surface
LCC = leak check compound
SL = Screening Level (see Table 5.3-1 for calculations)
AF = attenuation factor
NA = not available or applicable
< = not detected above indicated laboratory Reporting Limit (RL)
ND = not detected above laboratory RLs

Table 5.1-1: Current Soil VOCs Laboratory Results (µg/kg)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Methylene Chloride	Benzene	Toluene	Xylenes	Naphthalene	Other Volatile Organic Compounds (VOCs)
Residential Soil SL			**590**	**940**	**18,000**	**83,000**	**3,600**	**460**	**1,700,000**	**1,100**	**2,200**	**330**	**1,100,000**	**580,000**	**2,000**	**NA**
Commercial/Industrial Soil SL			**2,700**	**6,000**	**84,000**	**350,000**	**16,000**	**2,000**	**7,200,000**	**5,000**	**26,000**	**1,400**	**5,300,000**	**2,500,000**	**6,500**	**NA**
		Basis [A]	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	NA
B1	**5**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**10**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**15**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**20**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**25**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**30**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**35**	**01/22/21**	<2	**4.1 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**40**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**45**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**50**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**55**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**60**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**65**	**01/22/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**70**	**01/22/21**	<2	**3.5 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B1	**75**	**01/22/21**	<2	**3.1 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B2	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B3	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B4	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B5	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B6	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B7	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B8	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**5**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**10**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B9	**15**	**01/20/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**5**	**01/21/21**	<2	**2.3 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B10	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B11	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B12	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B12	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B12	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B13	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	**2.4**	<1	<2	**2.6 J**	ND
B13	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B15	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B16	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B16	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	**1.1 J**	<1	<2	<2	ND
B16	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B17	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**5**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**10**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
B18	**15**	**01/21/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**80**	**04/13/21**	<2	**3.7 J**	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**90**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**100**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**110**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**120**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND
MW1	**130**	**04/13/21**	<2	<2	<2	<2	<2	<2	<2	<2	<5	<1	<1	<2	<2	ND

Notes:

[A]Most conservative SL between EPA's RSLs (May 2021) and DTSC's HERO Note 3 DTSC-SLs (June 2020)

Blue highlighted concentrations exceed residential soil SLs

Orange highlighted concentrations exceed commercial/industrial soil SLs

µg/kg = micrograms per kilogram

bgs = below ground surface

SL = Screening Level

NA = not available or applicable

RSL = Regional Screening Level

< = not detected above indicated laboratory Method Detection Limit (MDL) or Reporting Limit (RL)

ND = not detected above laboratory MDLs or RLs

J = trace level (below laboratory Practical Quantitation Limit [PQL])

EPA = U.S. Environmental Protection Agency

DTSC = Department of Toxic Substances Control

Table 5.1-1: Current Soil VOCs Laboratory Results (µg/kg)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Methylene Chloride	Benzene	Toluene	Xylenes	Naphthalene	Other Volatile Organic Compounds (VOCs)
Residential Soil SL			**590**	**940**	**18,000**	**83,000**	**3,600**	**460**	**1,700,000**	**1,100**	**2,200**	**330**	**1,100,000**	**580,000**	**2,000**	**NA**
Commercial/Industrial Soil SL			**2,700**	**6,000**	**84,000**	**350,000**	**16,000**	**2,000**	**7,200,000**	**5,000**	**26,000**	**1,400**	**5,300,000**	**2,500,000**	**6,500**	**NA**
Basis [A]			Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	RSL	Note 3	Note 3	Note 3	RSL	Note 3	NA

HERO = Human and Ecological Risk Office

Table 5.1-2: Current Soil Gas VOCs Laboratory Results (µg/L)

Boring	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane (1,1,2-TCA)	Chloroethane (Ethyl Chloride)	Chloroform	Toluene	1,1-Difluoroethane (LCC)	Other Volatile Organic Compounds (VOCs)
Residential Soil Gas SL (AF = 0.03)			**0.015**	**0.016**	**0.28**	**2.4**	**0.060**	**33**	**0.0060**	**330**	**0.0040**	**10**	**NA**	**NA**
Commercial/Industrial Soil Gas SL (AF = 0.03)			**0.067**	**0.10**	**1.2**	**10**	**0.26**	**150**	**0.026**	**1,500**	**0.018**	**43**	**NA**	**NA**
B1	**5**	**02/23/21**	**0.035**	**1.6**	<0.10	**1.4**	**2.2**	**15**	<0.10	<0.10	**0.026**	<0.20	<0.10	ND
B1	**15**	**02/23/21**	**0.12**	**6.1**	**0.32**	**3.9**	**8.4**	**50**	<0.10	**0.17**	**0.079**	<0.20	<0.10	ND
B1	**30**	**02/23/21**	**0.53**	**23**	**0.95**	**21**	**20**	**160**	<0.50	<0.50	**0.14**	<1.0	<0.50	ND
B1	**50**	**02/23/21**	<0.40	**11**	<2.0	**15**	**6.2**	**44**	<2.0	<2.0	<0.40	<4.0	<2.0	ND
B1	**75**	**02/23/21**	**0.42**	**16**	**0.92**	**10**	**3.7**	**10**	**0.34**	<0.10	**0.15**	<0.20	<0.10	ND
B1	**95**	**04/19/21**	**0.025**	**0.92**	<0.10	**1.6**	**0.11**	**0.24**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B2	**5**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B2	**15**	**02/25/21**	<0.020	**0.028**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	**1.3**	<0.10	ND
B3	**5**	**02/25/21**	<0.020	**0.20**	<0.10	**0.12**	<0.10	<0.10	<0.10	<0.10	**0.12**	<0.20	<0.10	ND
B3	**15**	**02/25/21**	<0.020	**0.31**	<0.10	**0.22**	<0.10	<0.10	<0.10	<0.10	**0.19**	<0.20	<0.10	ND
B4	**5**	**02/25/21**	<0.020	**0.074**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B4	**15**	**02/25/21**	<0.020	**0.44**	<0.10	**0.30**	<0.10	**0.13**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B5	**5**	**02/25/21**	**0.020**	**0.46**	<0.10	**0.32**	**0.16**	**1.0**	<0.10	<0.10	**0.11**	<0.20	<0.10	ND
B5	**15**	**02/25/21**	**0.023**	**0.90**	<0.10	**0.69**	**0.37**	**1.7**	<0.10	<0.10	**0.23**	<0.20	<0.10	ND
B6	**5**	**02/25/21**	<0.020	**0.46**	<0.10	**0.32**	**0.26**	**1.5**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B6	**15**	**02/25/21**	**0.050**	**1.8**	<0.10	**1.5**	**1.2**	**5.6**	<0.10	<0.10	**0.038**	<0.20	<0.10	ND
B7	**5**	**02/25/21**	<0.020	**0.15**	<0.10	**0.12**	<0.10	**0.10**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B7	**15**	**02/25/21**	<0.020	**0.34**	<0.10	**0.28**	<0.10	**0.17**	<0.10	<0.10	**0.021**	<0.20	<0.10	ND
B8	**5**	**02/25/21**	<0.020	**0.026**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.039**	<0.20	<0.10	ND
B8	**15**	**02/25/21**	<0.020	**0.038**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.075**	<0.20	<0.10	ND
B9	**5**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B9	**15**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B10	**5**	**02/25/21**	<0.020	**0.45**	<0.10	**0.14**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B10	**15**	**02/25/21**	<0.020	**0.52**	<0.10	**0.28**	<0.10	<0.10	<0.10	<0.10	**0.023**	<0.20	<0.10	ND
B11	**5**	**02/25/21**	<0.020	**0.36**	<0.10	**0.26**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.12**	ND
B11	**15**	**02/25/21**	<0.020	**0.83**	<0.10	**0.50**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B12	**5**	**02/25/21**	<0.020	**0.039**	<0.10	<0.10	<0.10	**0.51**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B12	**15**	**02/25/21**	<0.020	**0.69**	<0.10	**0.48**	**0.53**	**6.3**	<0.10	<0.10	<0.020	<0.20	**0.56**	ND
B15	**4**	**02/25/21**	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.16**	ND
B15	**15**	**02/25/21**	<0.020	**0.027**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B16	**5**	**02/25/21**	<0.020	**0.046**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B16	**15**	**02/25/21**	<0.020	**0.054**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B17	**5**	**02/25/21**	<0.020	**0.38**	<0.10	**0.14**	<0.10	<0.10	<0.10	<0.10	<0.020	<0.20	**0.59**	ND
B18	**5**	**02/25/21**	**0.023**	**1.4**	<0.10	**1.1**	**0.16**	**0.81**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
B18	**15**	**02/25/21**	**0.093**	**5.3**	**0.14**	**3.7**	**0.66**	**2.6**	<0.10	<0.10	<0.020	<0.20	<0.10	ND
Replicate (B1 @ 30' bgs)		**02/23/21**	**0.47**	**21**	**0.87**	**20**	**19**	**130**	<0.50	<0.50	**0.12**	<1.0	<0.50	ND
Replicate (B1 @ 95' bgs)		**04/19/21**	**0.027**	**1.2**	<0.10	**1.2**	**0.10**	**0.22**	<0.10	<0.10	<0.020	<0.20	**0.17**	ND
Replicate (B6 @ 15' bgs)		**02/25/21**	**0.049**	**1.6**	<0.10	**1.6**	**1.3**	**6.2**	<0.10	<0.10	**0.034**	<0.20	<0.10	ND
Replicate (B7 @ 5' bgs)		**02/25/21**	<0.020	**0.17**	<0.10	**0.13**	<0.10	**0.11**	<0.10	<0.10	<0.020	<0.20	<0.10	ND

Notes:
Blue highlighted concentrations exceed residential soil gas SLs (Attenuation Factor [AF] = 0.03)
Orange highlighted concentrations exceed commercial/industrial soil gas SLs (AF = 0.03)
µg/L = micrograms per liter
bgs = below ground surface
LCC = leak check compound
SL = Screening Level (see Table 5.3-1 for calculations)
AF = attenuation factor
NA = not available or applicable
< = not detected above indicated laboratory Reporting Limit (RL)
ND = not detected above laboratory RLs

Table 5.1-3: Groundwater VOCs Laboratory Results (µg/L)

Boring	Sample Type	Sample Depth (feet bgs)	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloroethane (1,1-DCA)	1,1,1-Trichloroethane (1,1,1-TCA)	Toluene	Other Volatile Organic Compounds (VOCs)
			MCL	**5**	**5**	**6**	**6**	**5**	**200**	**150**	**NA**
MW1	**Grab**	**≈113**	**04/13/21**	<1	**4.8**	<1	**1.7 J**	**1.6 J**	<1	**11.8**	ND
MW1	**Well**	**≈113**	**05/03/21**	<1	**18.1**	**1.6 J**	**10.3**	**3.9 J**	**1.2 J**	<0.5	ND

Notes:

Blue highlighted concentrations exceed MCLs

µg/L = micrograms per liter

bgs = below ground surface

MCL = Maximum Contaminant Level (State Water Resources Control Board [SWRCB]; August 2020)

NA = not available or applicable

J = trace level (below laboratory Practical Quantitation Limit [PQL])

< = not detected above indicated laboratory Method Detection Limit (MDL)

ND = not detected above laboratory MDLs

Table 5.3-1: Soil Gas Screening Level Calculations (µg/L)

			Attenuation Factor	0.03	0.03
Chemical of Concern	**Residential Ambient Air SL**	**Commercial/ Industrial Ambient Air SL**	**Basis [A]**	**Calculated Residential Soil Gas SL**	**Calculated Commercial/ Industrial Soil Gas SL**
Tetrachloroethene (PCE)	0.00046	0.0020	Note 3	0.015	0.067
Trichloroethene (TCE)	0.00048	0.0030	RSL	0.016	0.10
cis-1,2-Dichloroethene (cis-1,2-DCE)	0.0083	0.035	Note 3	0.28	1.2
1,1-Dichloroethene (1,1-DCE)	0.073	0.31	Note 3	2.4	10
1,1-Dichloroethane (1,1-DCA)	0.0018	0.0077	Note 3	0.060	0.26
1,1,1-Trichloroethane (1,1,1-TCA)	1.0	4.4	Note 3	33	150
1,1,2-Trichloroethane (1,1,2-TCA)	0.00018	0.00077	RSL	0.0060	0.026
Chloroethane (Ethyl Chloride)	10	44	RSL	330	1,500
Chloroform	0.00012	0.00053	RSL	0.0040	0.018
Toluene	0.31	1.3	Note 3	10	43

Equations

$$\alpha = \frac{C_{indoor}}{C_{soil\ gas}}$$

Where:
α = Attenuation Factor (AF)
C_{indoor} = Indoor Air Concentration of a VOC
$C_{soil\ gas}$ = Soil Gas Concentration of a VOC

Assumptions and Inputs

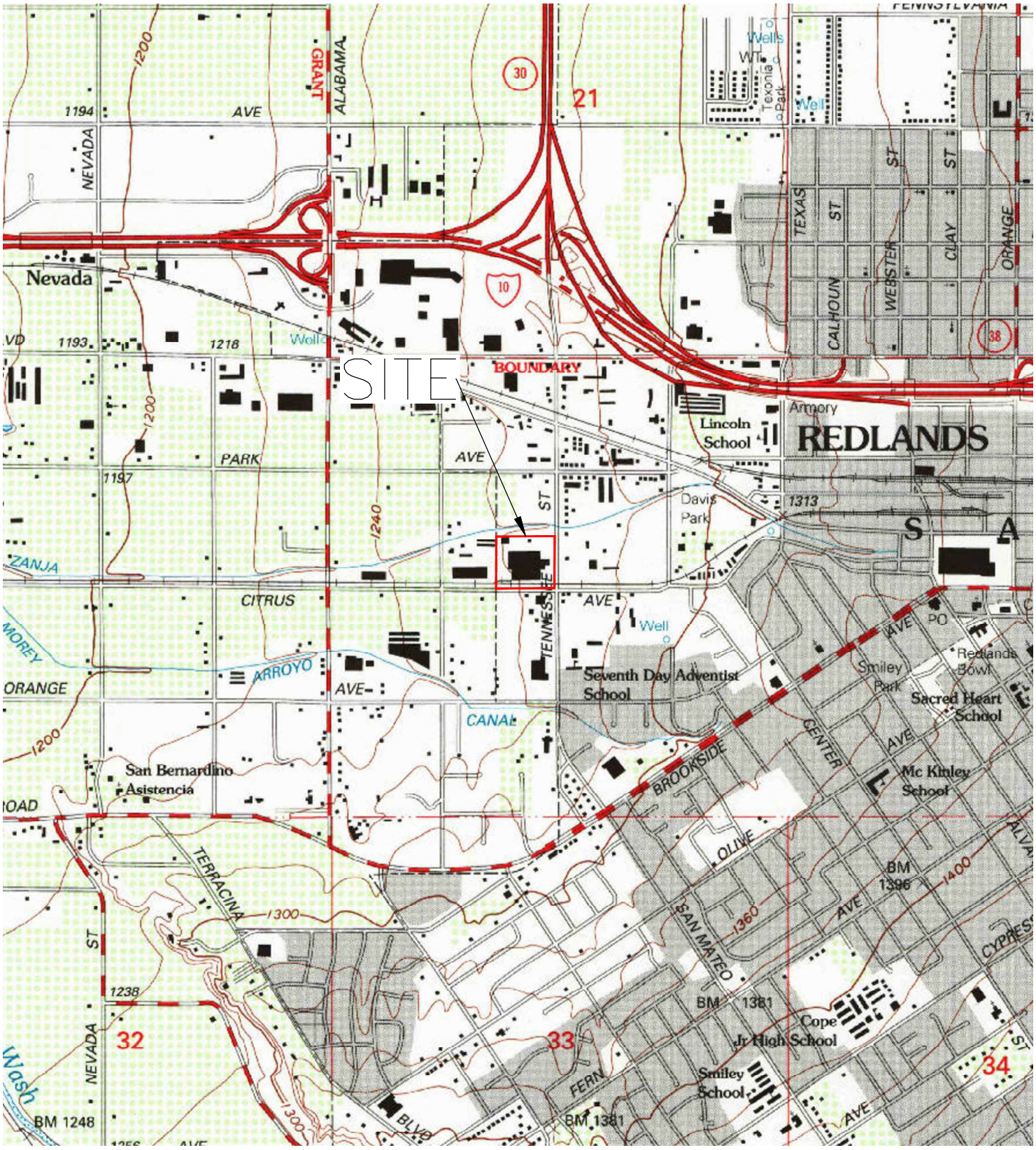
C_{indoor} = ambient air EPA RSL or ambient air DTSC HERO Note 3 DTSC-SL

α = 0.03 (per June 2015 EPA "OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air")

Notes:

[A]Most conservative SL between EPA's RSLs (May 2021) and DTSC's HERO Note 3 DTSC-SLs (June 2020)
µg/L = micrograms per liter
SL = Screening Level
RSL = Regional Screening Level
NA = not available or applicable
VOC = volatile organic compound
EPA = U.S. Environmental Protection Agency
DTSC = Department of Toxic Substances Control
HERO = Human and Ecological Risk Office
OSWER = Office of Solid Waste and Emergency Response

FIGURES



USGS 7.5 MINUTE REDLANDS, CALIFORNIA QUADRANGLE
CREATED 1996

LEGEND:

PROPERTY LINE

TITLE: SITE VICINITY MAP			
FIGURE: 2.1–1	PREPARED BY: AS	DATE: JUNE 2021	PROJECT NUMBER: SM20–284007

ADDRESS:
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501



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LEGEND:

PROPERTY LINE

NOTES:

N

35' 0' 35' 70'

APPROXIMATE SCALE

TITLE: SITE PLAN			
FIGURE: 2.1-2	PREPARED BY: AS	DATE: JUNE 2021	PROJECT NUMBER: SM20-284007

ADDRESS:
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

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File: R:\Assessments\Site Mitigation\20-284007 Former La-Z-Boy Redlands\2 Additional Site Characterization\Working Documents\Figures\CAD\SM20-284007 Site Plan v8.dwg, ---> Figure 2.1-2 Site Plan
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LEGEND:

- PROPERTY LINE
- PRIOR BORING (RMT, 1994)
- PRIOR BORING (LOR, 2019)
- SOIL GAS PROBE
- MONITORING WELL

NOTES:

N

35' 0' 35' 70'

APPROXIMATE SCALE

TITLE:

BORING LOCATIONS

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
2.2-1	AS	MAY 2021	SM20-284007

ADDRESS:
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REDLANDS, CALIFORNIA 92373

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File: R:\Assessments\Site Mitigation\20-284007 Former La-Z-Boy Redlands\2 Additional Site Characterization\Working Documents\Figures\CAD\SM20-284007 Site Plan v8.dwg, ---> Figure 2.2-1 Borings
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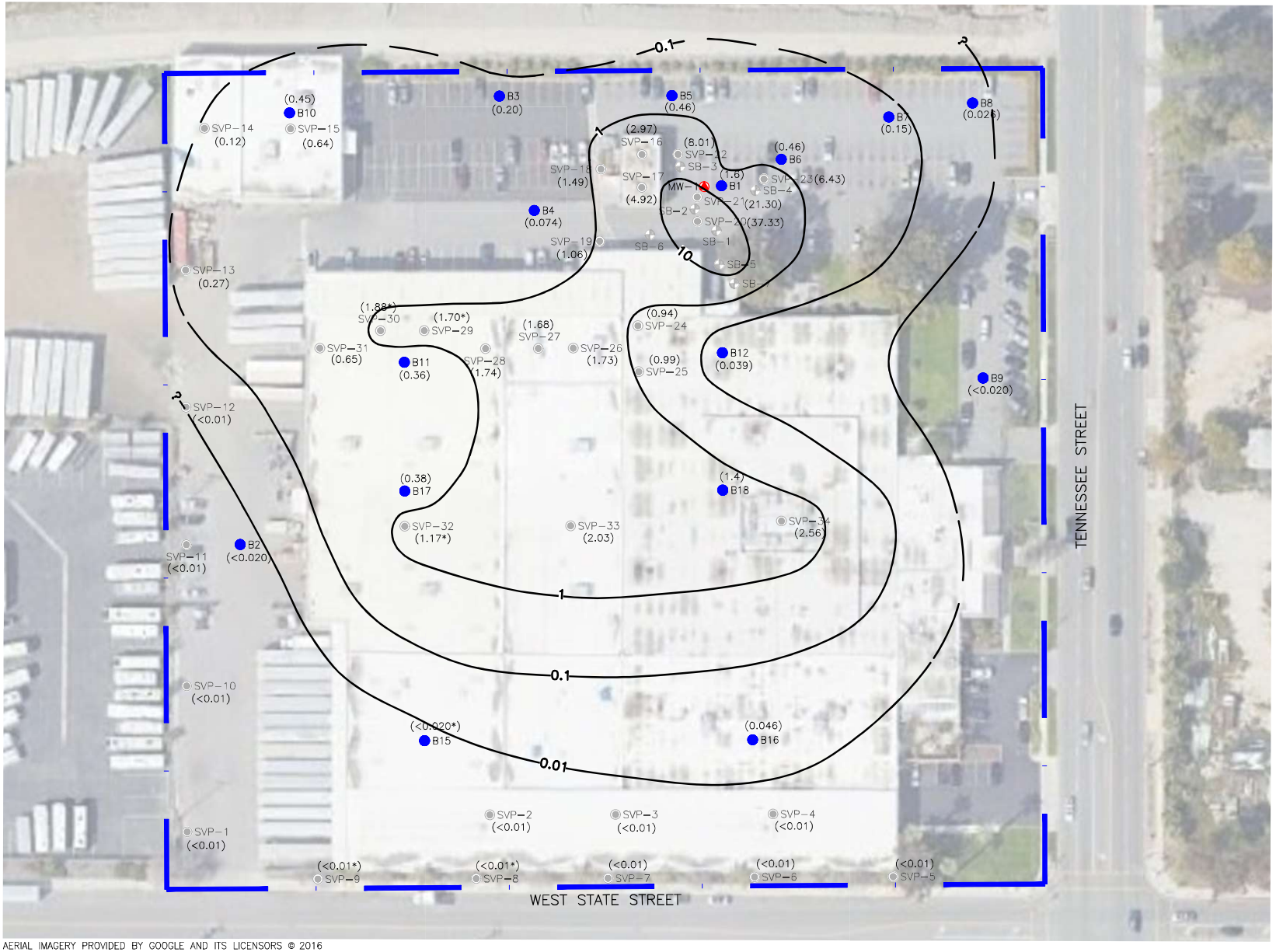

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LEGEND:

- PROPERTY LINE
- PRIOR BORING (RMT, 1994)
- PRIOR BORING (LOR, 2019)
- SOIL GAS PROBE
- MONITORING WELL

NOTES:

- SEE TABLE 2.2-2 FOR SAMPLING DATES
- CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
- ISOCONCENTRATIONS DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN
- *SVP-8 SAMPLED AT 3 FEET BGS; SVP-9 SAMPLED AT 3.5 FEET BGS; AND SVP-29, SVP-30, SVP-32, AND B15 SAMPLED AT 4 FEET BGS
- BGS = BELOW GROUND SURFACE
- TCE = TRICHLOROETHENE
- < = NOT DETECTED ABOVE INDICATED LABORATORY REPORTING LIMIT (RL)

N

35' 0' 35' 70'

APPROXIMATE SCALE

TITLE: SOIL GAS TCE ISOCONCENTRATIONS AT 5 FEET BGS

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
5.3-1	AS	JUNE 2021	SM20-284007

ADDRESS: 301 TENNESSEE STREET REDLANDS, CALIFORNIA 92373

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TORRANCE, CALIFORNIA 90501

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LEGEND:

- PROPERTY LINE
- PRIOR BORING (RMT, 1994)
- PRIOR BORING (LOR, 2019)
- SOIL GAS PROBE
- MONITORING WELL

NOTES:

- SEE TABLE 2.2-2 FOR SAMPLING DATES
- CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
- ISOCONCENTRATIONS DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN
- BGS = BELOW GROUND SURFACE
- TCE = TRICHLOROETHENE
- < = NOT DETECTED ABOVE INDICATED LABORATORY REPORTING LIMIT (RL)

N

35' 0' 35' 70'

APPROXIMATE SCALE

TITLE: SOIL GAS TCE ISOCONCENTRATIONS AT 15 FEET BGS

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
5.3-2	AS	JUNE 2021	SM20-284007

ADDRESS:
301 TENNESSEE STREET
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TORRANCE, CALIFORNIA 90501

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File: R:\Assessments\Site Mitigation\20-284007 Former La-Z-Boy Redlands\2 Additional Site Characterization\Working Documents\Figures\CAD\SM20-284007 Site Plan v8.dwg, ---> Figure 5.3-2 - TCE in SG at 15
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APPENDIX A: BORING LOGS

BORING LOG

BORING: **B1**

TOTAL DEPTH: **75.75'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME
	Redlands, California 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Asphalt.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
5	B1-5'	0.0	10 14 20			Brown, moist, medium dense SAND with some silt.	6" Long x 0.5" Diameter Stainless Steel Vapor Implant	
10	B1-10'	0.0	11 12 15		SP		0.25" Diameter Flexible Nylaflow Tubing	
15	B1-15'	0.0	11 12 15			@15': trace silt and gravel.	#3 Sand Pack	
							Dry Granular Bentonite	
20			12 15 16					

NOTES: Probe Depths: Red=5', White=15', Blue=30', Green=50', Black=75'

BORING LOG

BORING: **B1**

TOTAL DEPTH: **75.75'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME
	Redlands, California 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
25	B1-25'	0.0	14 16 17	SM	SM	Reddish brown, moist, dense, silty SAND. @25': brown.	Hydrated Bentonite Chips	
30	B1-30'	0.0	12 12 17					
35	B1-35'	0.0	15 18 18	ML	ML	Brown, moist, medium dense, SILT with trace clay.		
40			13 14 14					

NOTES: Probe Depths: Red=5', White=15', Blue=30', Green=50', Black=75'

BORING LOG

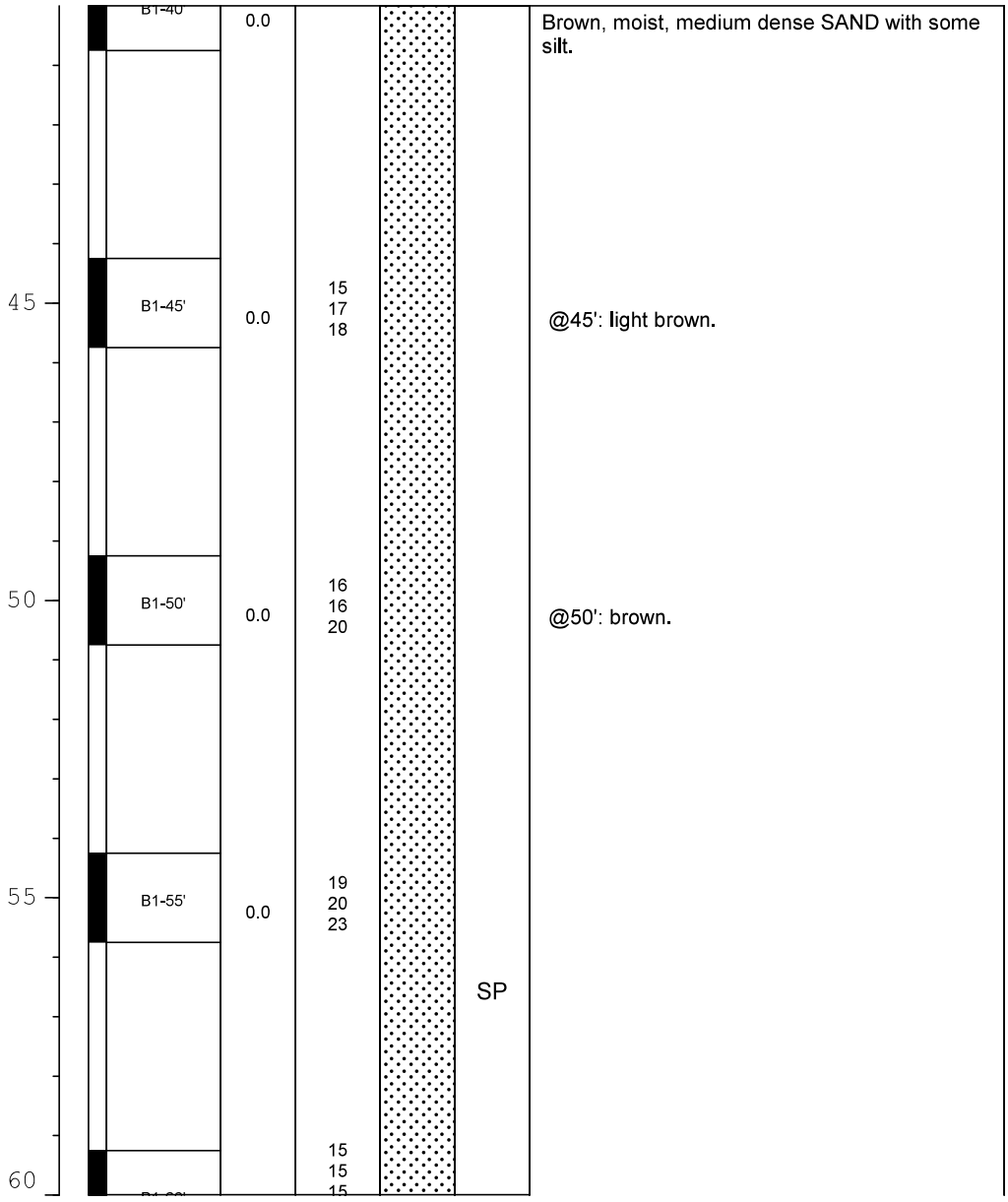
BORING: **B1**

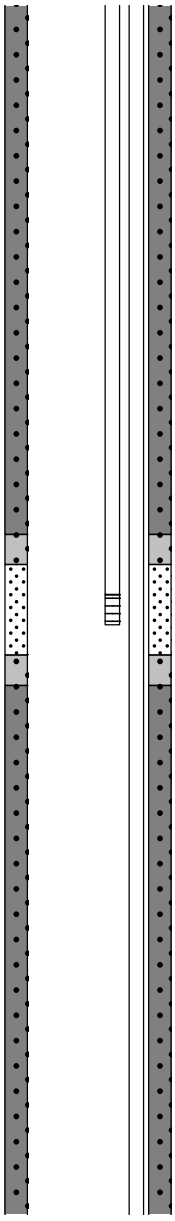
TOTAL DEPTH: **75.75'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME
	Redlands, California 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
45	B1-45'	0.0	15 17 18			@45': light brown.		
50	B1-50'	0.0	16 16 20			@50': brown.		
55	B1-55'	0.0	19 20 23		SP			
60			15 15 15					





NOTES: Probe Depths: Red=5', White=15', Blue=30', Green=50', Black=75'

BORING LOG

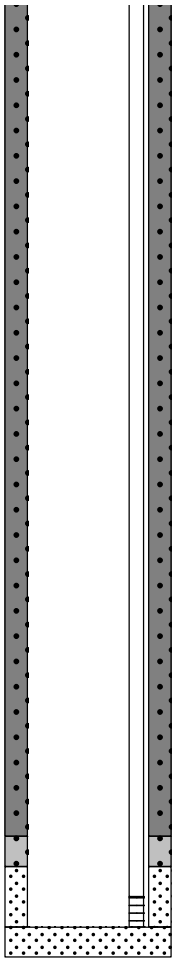
BORING: **B1**

TOTAL DEPTH: **75.75'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME
	Redlands, California 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
	B1-60'	0.0				@60': some gravel.		
65	B1-65'	0.0	19 20 21			@65': trace gravel.		
70	B1-70'	0.0	20 22 23			@70': trace silt.		
75	B1-75'	0.0	19 21 22		ML	Brown, moist, medium dense, SILT with trace clay.		



NOTES: Probe Depths: Red=5', White=15', Blue=30', Green=50', Black=75'

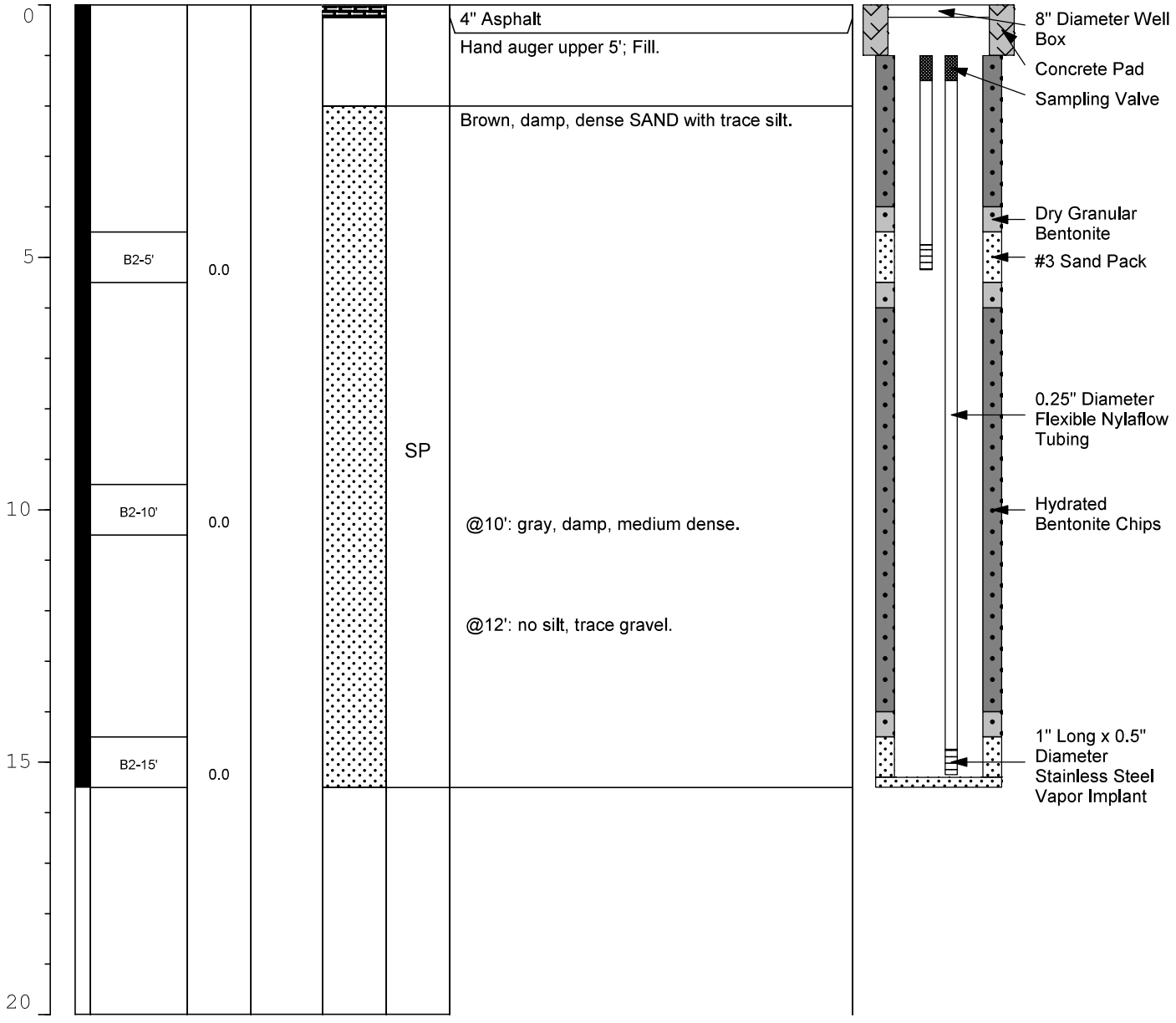
BORING LOG

BORING: **B2**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) West of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"



NOTES: Probe Depths: Yellow/Short Tubing = 5', Blue/Long Tubing = 15'

BORING LOG

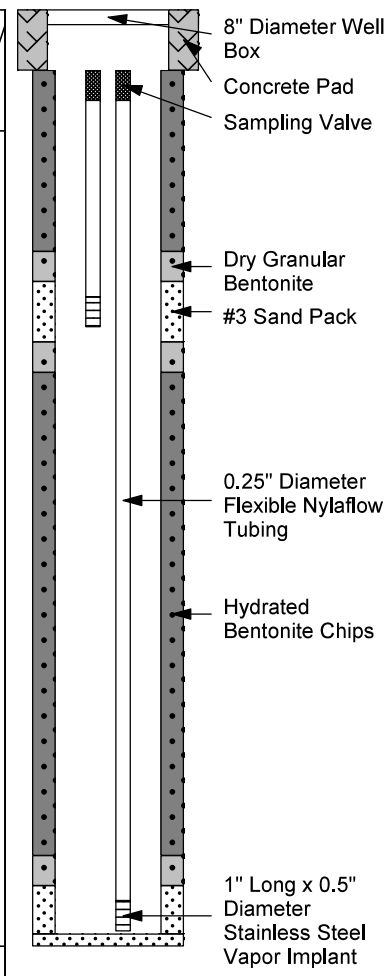
BORING: **B3**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						4" Asphalt		
						Hand auger upper 5'; Fill.		
					SP	Brown, damp, medium dense SAND with trace silt.		
5	B3-5'	0.0						
10	B3-10'	0.0						
						@12': gray.		
15	B3-15'	0.0						
20								



NOTES: Probe Depths: Yellow/Short Tubing = 5', Blue/Long Tubing = 15'

BORING LOG

BORING: **B4**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						4" Asphalt	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, damp, medium dense SAND with trace silt.		
5	B4-5'	0.0					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
10	B4-10'	0.0					0.25" Diameter Flexible Nylaflow Tubing	
							Hydrated Bentonite Chips	
						@12': gray.		
15	B4-15'	0.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B5**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						4" Asphalt	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, damp, medium dense SAND with trace silt.		
5	B5-5'	0.0					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
10	B5-10'	0.0					0.25" Diameter Flexible Nylaflow Tubing	
							Hydrated Bentonite Chips	
						@12': reddish brown.		
15	B5-15'	0.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B6**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						4" Asphalt	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brownish gray, moist, medium dense SAND.		
5	B6-5'	0.0					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
10	B6-10'	0.0				@10': trace gravel.	0.25" Diameter Flexible Nylaflow Tubing	
							Hydrated Bentonite Chips	
						@12': trace silt.		
15	B6-15'	0.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

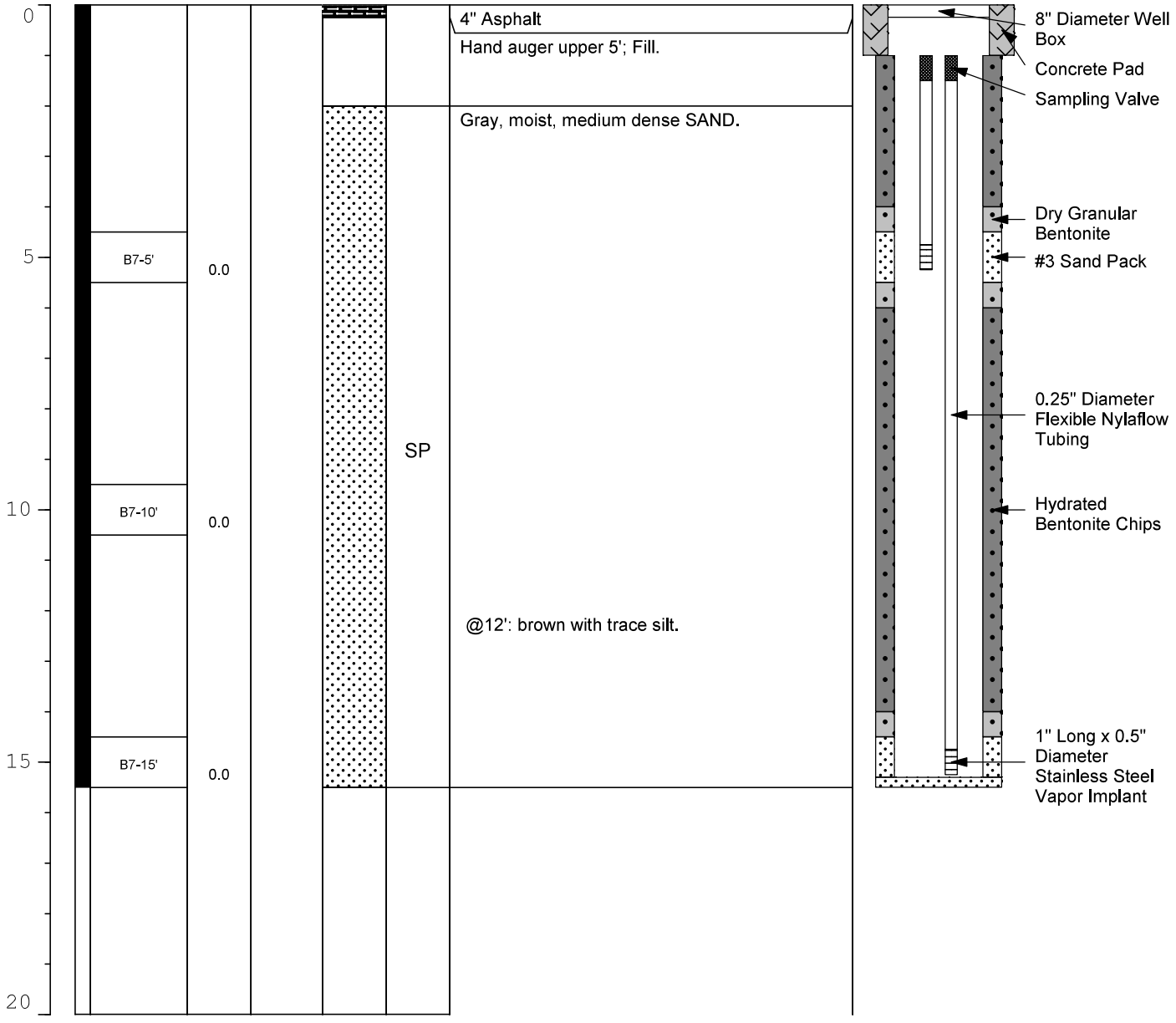
BORING LOG

BORING: **B7**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"



NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

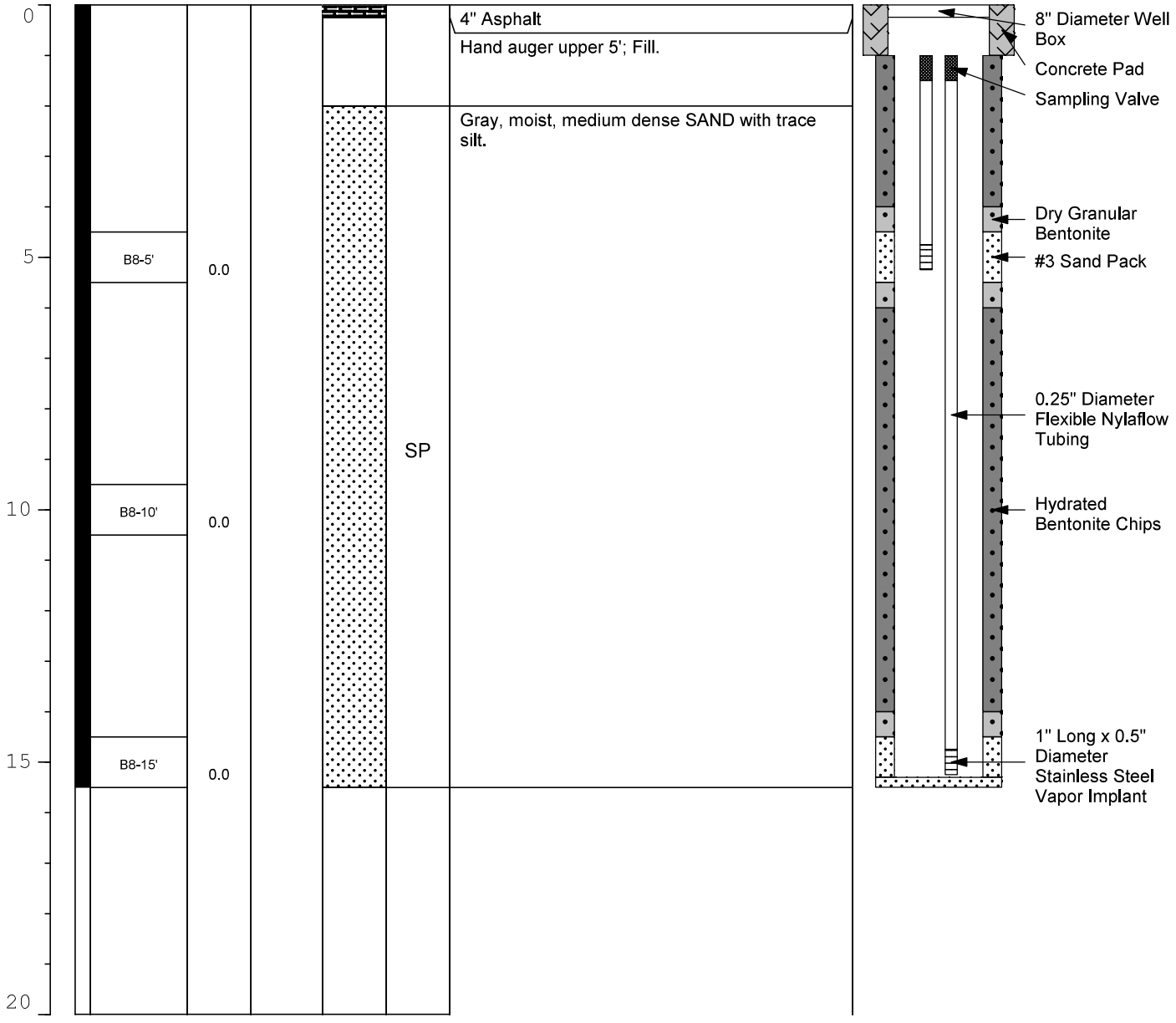
BORING LOG

BORING: **B8**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"



NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

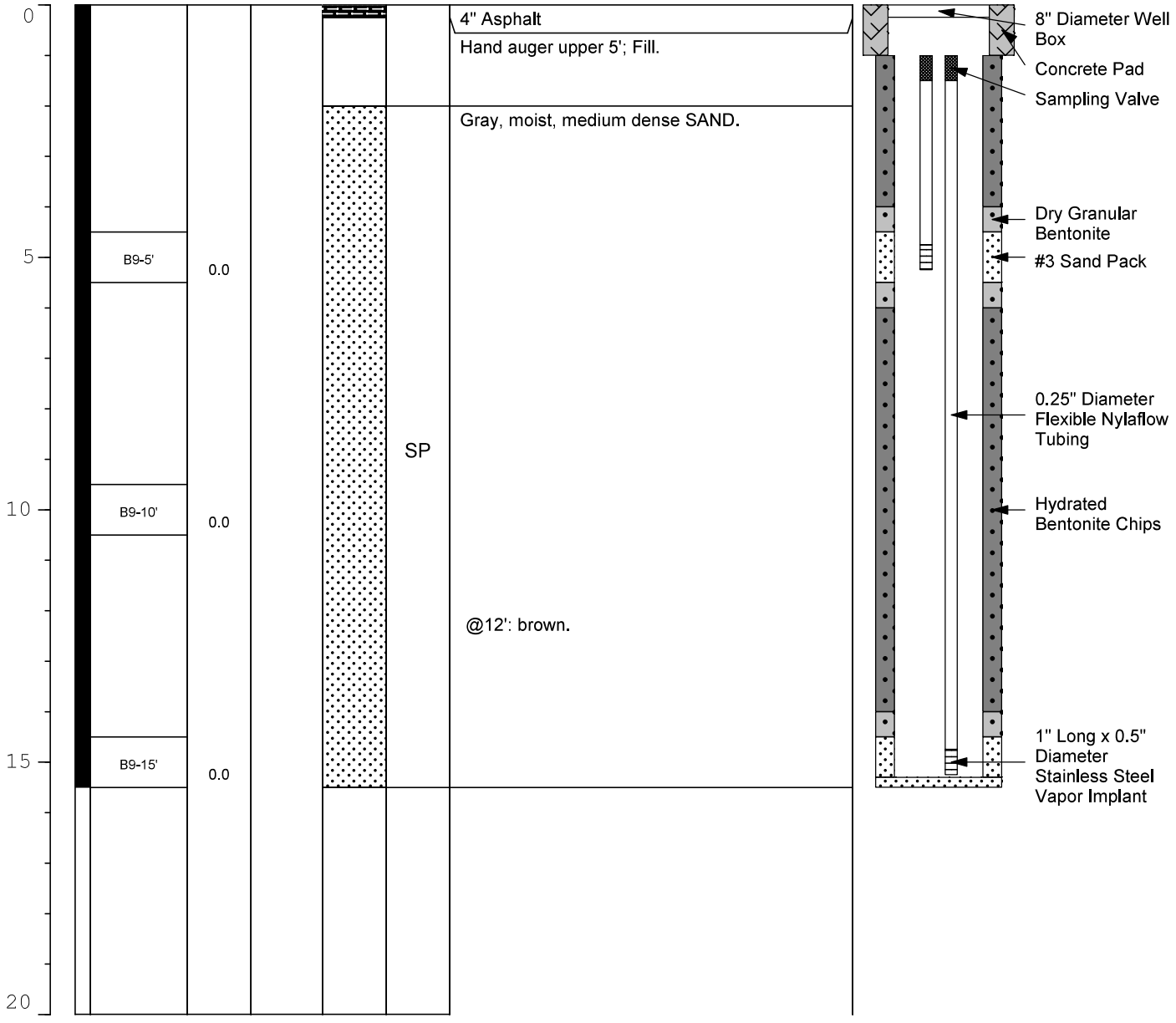
BORING LOG

BORING: **B9**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Exterior) East of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"



NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B10**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) Building 2	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, moist, medium dense SAND with silt.		
5	B10-5'	0.0					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
10	B10-10'	0.0					0.25" Diameter Flexible Nylaflow Tubing	
							Hydrated Bentonite Chips	
						@12': gray with trace gravel.		
15	B10-15'	0.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B11**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy Wes Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) Northwest Area of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Light Brown, moist, medium dense SAND.		
5	B11'5'	0.0					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
10	B11-10'	0.0					0.25" Diameter Flexible Nylaflow Tubing	
							Hydrated Bentonite Chips	
						@12': gray with trace gravel.		
15	B11-15'	0.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B12**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) Northeast Area of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, moist, medium dense SAND with trace silt.		
5	B12-5'	0.8					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
							0.25" Diameter Flexible Nylaflow Tubing	
10	B12-10'	1.1				@10': gray, fine grained with trace gravel.	Hydrated Bentonite Chips	
15	B12-15'	0.9					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B15**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) Southwest Area of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, moist, medium dense SAND with trace silt.	Dry Granular Bentonite	
	B15-4'						#3 Sand Pack	
5		1.2				@5': 6" layer of asphalt		
					SP			
10	B15-10'	1.3				@10': darker brown.	0.25" Diameter Flexible Nylaflow Tubing	
						@12': gray.	Hydrated Bentonite Chips	
15	B15-15'	0.9					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

BORING: **B16**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) Southeast of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Reinforced Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
						Brown, moist, medium dense, fine grained SAND with trace silt.	Sampling Valve	
5	B16-5'	0.4			SP		Dry Granular Bentonite	
							#3 Sand Pack	
10	B16-10'	3.8				@10': lighter brown with trace silt and gravel.	0.25" Diameter Flexible Nylaflow Tubing	
						@12': gray and no silt.	Hydrated Bentonite Chips	
15	B16-15'	2.5					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

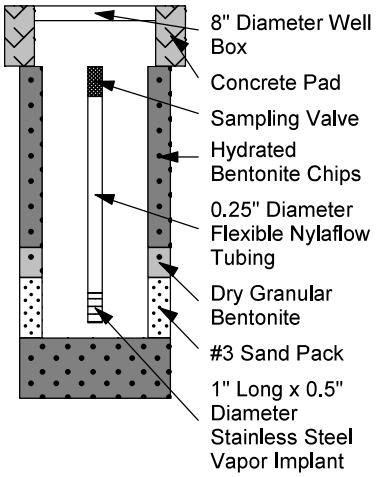
BORING: **B17**

TOTAL DEPTH: **6.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) West-Central Area of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.		
						Hand auger upper 5'; Fill.		
					SP	Brown, moist, medium dense SAND with trace silt.		
5	B17-5'	1.1						
10								
15								
20								



NOTES: Refusal at 6.5'.

BORING LOG

BORING: **B18**

TOTAL DEPTH: **15.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	1-21-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	N/A
LOCATION:	(Interior) East-Central Area of Building 1	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Geoprobe 7882DT Track Mounted
	Redlands, California 92373	METHOD OF DRILLING:	Direct Push
LOGGED BY:	Anthony Rosas	SAMPLING METHODS:	Dual Tube
REVIEWED BY:	Robert Traylor	BORING DIAMETER:	2.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
0						5.5" Cement.	8" Diameter Well Box	
						Hand auger upper 5'; Fill.	Concrete Pad	
							Sampling Valve	
						Brown, moist, medium dense SAND with trace silt.		
5	B18-5'	1.8					Dry Granular Bentonite	
							#3 Sand Pack	
					SP			
							0.25" Diameter Flexible Nylaflow Tubing	
10	B18-10'	3.9				@10': gray.	Hydrated Bentonite Chips	
15	B18-15'	1.0					1" Long x 0.5" Diameter Stainless Steel Vapor Implant	
20								

NOTES: Probe Depths: Yellow/Short Tubing = 5'; Blue/Long Tubing = 15'

BORING LOG

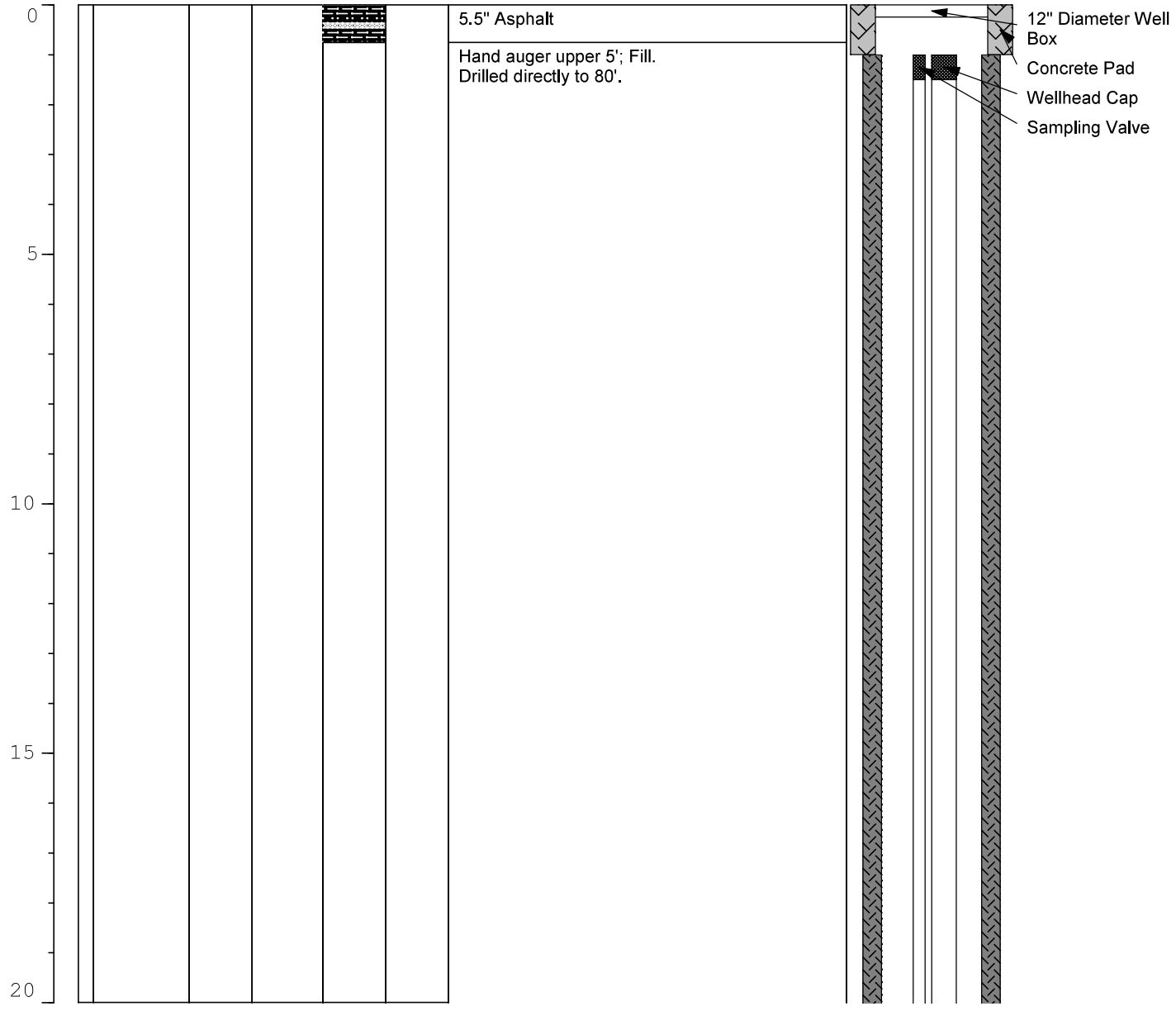
BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	113'
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME- 95
	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION



NOTES: Soil Gas Probe B1

BORING LOG

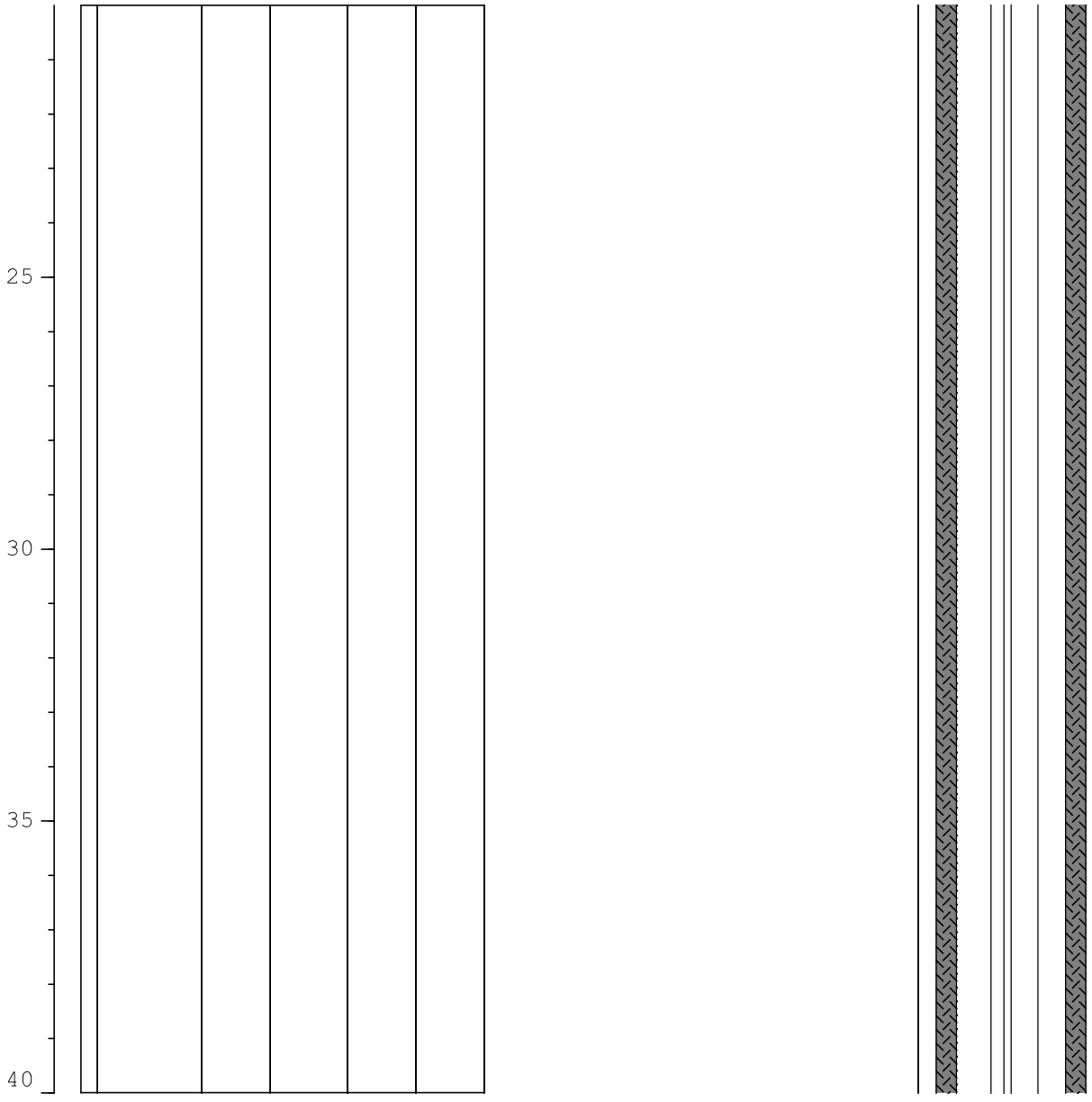
BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	113'
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME- 95
	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION



NOTES: Soil Gas Probe B1

BORING LOG

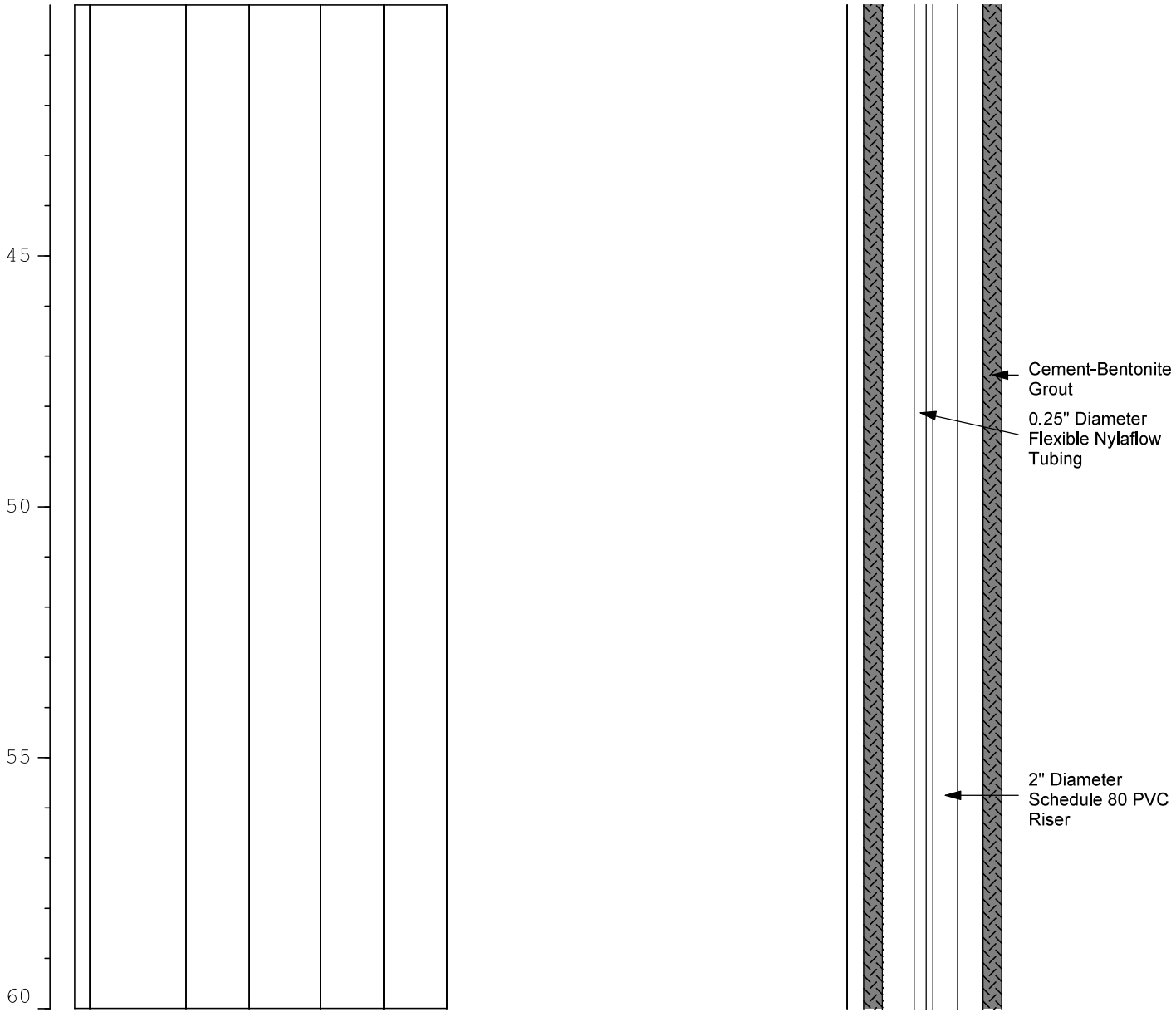
BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	113'
LOCATION:	(Exterior) North Parking Lot	DRILLER:	MR Drilling
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME- 95
	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION



NOTES: Soil Gas Probe B1

BORING LOG

BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
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	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
65								
70								
75								
80		0.0	19			Reddish brown, damp, medium dense, silty		

NOTES: Soil Gas Probe B1

BORING LOG

BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
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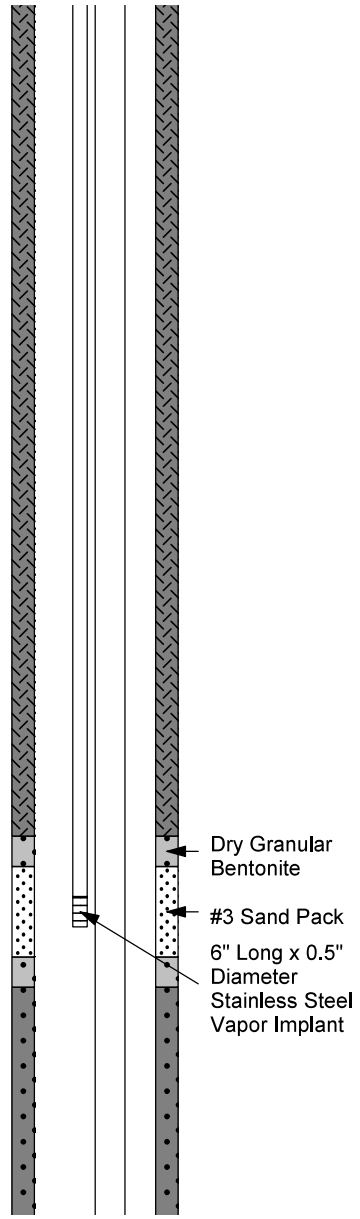
	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
	MW1-80	0.0	27		SM	SAND.		
85	MW1-85	0.0	13 18 28		SP	Reddish brown, damp, medium dense, SAND.		
90	MW1-90	0.0	12 17 25		ML	Brown, moist, firm, SILT.		
95	MW1-95	0.0	11 15 21			Brown, damp, dense, SAND.		
100			9					



NOTES: Soil Gas Probe B1

BORING LOG

BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Former La-Z-Boy West Facility	DATES DRILLED:	4-13-2021
JOB NO.:	SM20-284007	DEPTH TO GROUNDWATER:	113'
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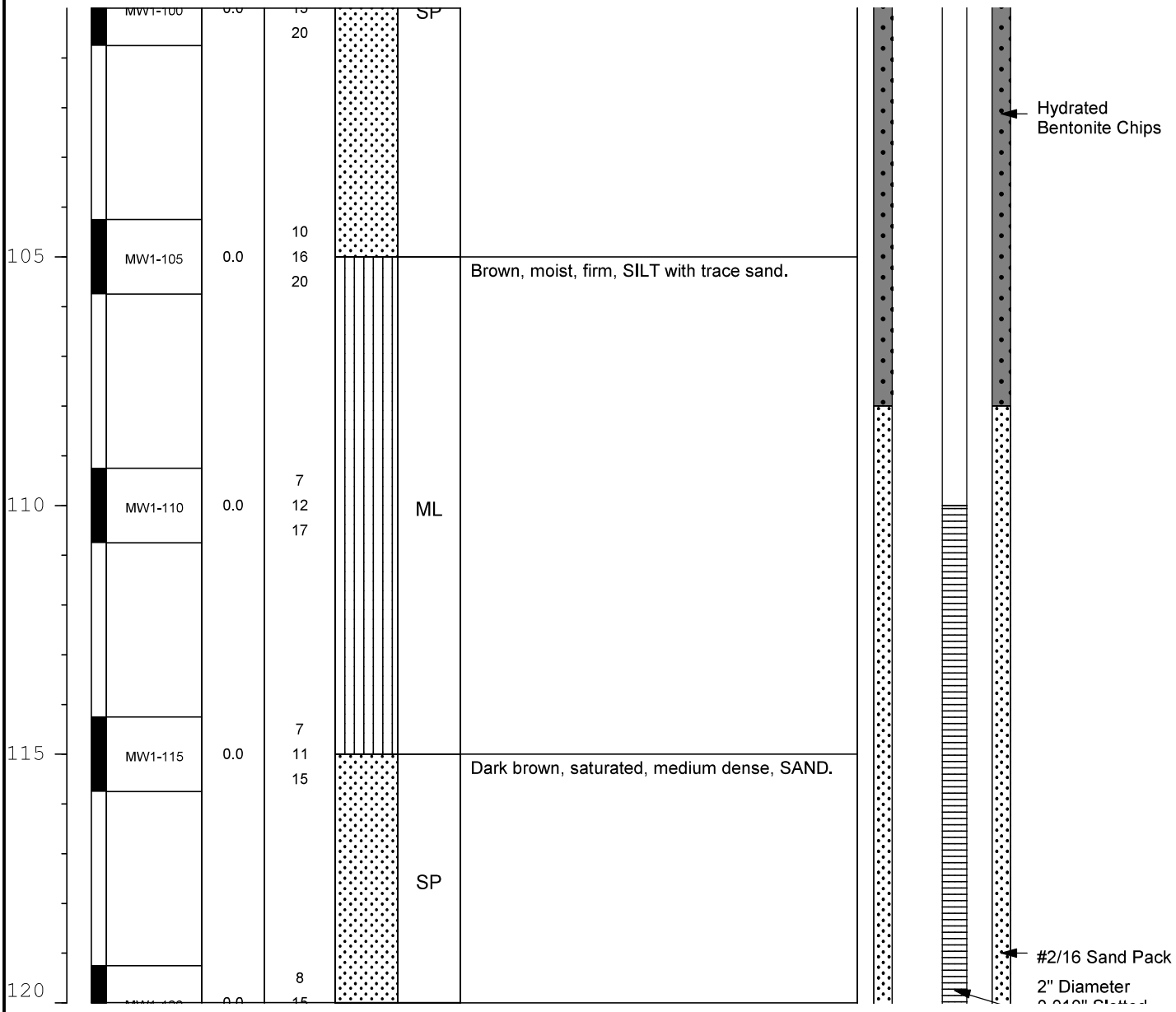
SITE ADDRESS:	301 Tennessee St.	RIG TYPE:	Truck-mounted CME- 95
	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
105	MW1-105	0.0	10 16 20		SP	Brown, moist, firm, SILT with trace sand.		
110	MW1-110	0.0	7 12 17		ML			
115	MW1-115	0.0	7 11 15		SP	Dark brown, saturated, medium dense, SAND.		
120			8					



NOTES: Soil Gas Probe B1

BORING LOG

BORING: **MW1**

TOTAL DEPTH: **130.5'**

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

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	Redlands, CA 92373	METHOD OF DRILLING:	Hollow-Stem Auger
LOGGED BY:	J. Moreno	SAMPLING METHODS:	Split-Spoon Sampler
REVIEWED BY:	R. Traylor	BORING DIAMETER:	8.25"

DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE	SOIL TYPE	BORING COMPLETION	DESCRIPTION
125	MW1-125	0.0	14 10 20 17		SM	Reddish brown, saturated, medium dense, silty SAND.	0.010" Slotted Schedule 80 PVC Screen	
130	MW1-130	0.0	14 18 20		SP	Brown, saturated, medium dense, SAND.	2" Diameter Schedule 80 PVC End Cap	
135								

NOTES: Soil Gas Probe B1

APPENDIX B: PERMITS

385 N Arrowhead Ave, 2nd floor, San Bernardino, CA 92415 | Phone: 800.442.2283 • Fax: 909.387.4323
Email: EHS.CustomerService@dph.sbcounty.gov
www.SBCounty.gov
www.sbcounty.gov/dph/dehs
Phone: (800) 442-2283

SAN BERNARDINO COUNTY

Public Health
Environmental Health Services

APPLICATION FOR WELL PERMIT

THIS SECTION TO BE COMPLETED BY APPLICANT • HEALTH PERMITS ARE NOT TRANSFERABLE

1 – PROPERTY INFORMATION

Property Owner: Acc Bld, LLC			Phone Number: 909-793-2853x2269
Site Address: 301 Tennessee Street	City: Redlands	State: CA	Zip: 92373
Assessor's Parcel Number: 0292-192-11	Email: VBurgess@esri.com		
Township: N/S Tier: 1S	E/W Range: 3W	Section: 28	
Well Head: Latitude (decimal): 34.056925	Longitude (decimal): -117.200981		
Property Owner's Mailing Address: P.O. Box 7538	City: Redlands	State: CA	Zip: 92375

2 – CONSULTANT INFORMATION

Name of Consultant: Partner Engineering and Science, Inc.	Email: Rodolfo@partneresi.com		Phone Number: 310-765-7249
Address: 2154 Torrance Boulevard, Suite 200	City: Torrance	State: CA	Zip: 90501

3 – REGISTERED WELL DRILLER INFORMATION

Name of Driller: J&H Drilling Co., Inc. dba MR Drilling Co.			Phone Number: 714-994-0402
Email:	Troy@mrdrillco.com	C-57 License Number: 740854	
Return well permit to: ☐ Well Driller ■ Consultant ☐ Property Owner		Return by: ☐ Mail ■ Email	

4 – TYPE OF WORK

■ New ☐ Reconstruction ☐ Destruction

Date of Work	Start Date: 1/20/21	Completion Date: 1/20/21	Estimated groundwater depth: 140'

5 – WELL TYPE

☐ Agriculture	☐ Geothermal	☐ Industrial
☐ Cathodic	☐ Horizontal	☐ Monitoring/Observation
☐ Community/PWS/City – **Specify Use Below**	☐ Residential – cannot be used as a community well	☐ Test NESTED
Use:		■ Other Soil Gas Probes

6 – ANNULAR SEAL

Seal Depth (ft.): See Figure 2

☐ Driven Conductor Diameter (in.) ☐ Wall (gauge) (in.) ☐ Drilling method

■ Sealing Material Nested-concrete, hydrated bentonite chips, ☐ Thickness (in.)

Sealing material shall be placed in one continuous pour. Annular seal thickness must be at least 2 inches for public water supply wells.

ITEMS 7 THROUGH 10 TO BE ESTIMATED FOR NEW WELLS, EXACT FOR ALL OTHER WELLS

7 – DIMENSIONS

Proposed Depth of Well (ft.)	Existing Depth of Well (ft.)	Diameter of Bore (in.)
75.75	NA	8.25

8 – CASING INSTALLED

☐ Casing Material ☐ ATSM/AWWA/APPI NYFLOW TUBING

From (ft.)	To (ft.)	Diameter (in.)	Wall (Gauge)
NA		0.25	NA

Gravel Pack ☐ Yes ☐ No		From (ft.)	To (ft.)
Specify Other Backfill Material: Hydrated Bentonite Chips		From (ft.) VARIES	To (ft.)

9 – PERFORATIONS (list all if applicable)			
From (ft.) NA	To (ft.)	Well Screen Size	Pumping Rate (gpm)

10 – SEALED ZONES (list all if applicable)	
From (ft.) NA	To (ft.)

11 – PLOT PLAN

a) In perspective to the well site, sketch and label the following items **on a separate paper**: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

b) Indicate the distance, in **feet**, of any of the above which are within 500 ft. of the well site. The plot plan needs to be drawn to scale (½ inch = 100 feet). Show the approximate drainage pattern of the property and show access roads to the well site within 500 feet.

c) ☐ None of the above is within 500 feet.

d) Solid or Liquid Disposal Site within Two Miles ☐ Yes ■ No Location

12 – METHOD OF CONSTRUCTION OR DESTRUCTION

Provide the method of construction/destruction in the space below or as an attachment if more space is needed. The method shall be in accordance with the standards recommended in the California Department of Water Resources Bulletin No. 74-81 and 74-90. Title 22 standards shall also be followed for public water supply wells.

I will submit water well drillers report to Environmental Health Services within 30 days of completion, and will construct or destroy well/borings in accordance with the permit application and Water Well Standards Bulletin 74-81 & 74-90.

13 – AGREEMENT AND SIGNATURE

I have read this application and agree to comply with all laws regulating the type of work being performed.

Property Owner's Signature: X Donald A Berry	Date: 12/28/2020
Print Property Owner's Name: Donald Berry, Acc Bld, LLC	
C-57 Contractor's Signature: X Steve Molera	Date: 12-29-20
Print Contractor's Name: Steve Molera	

For Office Use Only DISPOSITION OF PERMIT For Office Use Only DISPOSITION OF PERMIT

☐ Sent to Water Agency
☐ Water Agency conditions or recommendations attached
☐ Denied
☒ Approved subject to the following:

Permit Number:	2021010040
Expiration Date:	07-21-21
WP Number:	WP0036785

A. ☐ Notify the Division's Safe Drinking Water Program at (800) 442-2283 at least seventy two (72) hours in advance to make an inspection of the following operations: (Inspections are conducted Monday – Friday between 8:00 AM to 5:00 PM). Failure to cancel or reschedule appointments may result in an additional hourly fee.

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
- ☐ After installation of the surface protective slab and pumping equipment.
- ☐ After installation of the surface features.
- ☐ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Division, within thirty (30) days after completion of work, a copy of:

☒ Water Well Driller's Report ☐ Bacterial Analysis ☐ Inorganic Chemical Analysis ☐ General Physical
☐ Radiological Analysis ☐ Nitrate as Nitrogen ☐ Organic Chemical Analysis ☐ General Mineral

Comments

For Office Use Only For Office Use Only For Office Use Only For Office Use Only For Office Use Only

Fee: $320.00	FA Number:	Record ID:	PE Number: 4555
Late Fee: ☐ Y ☒ N	Designated Employee: A. Calderon	Received By: Raúl Robles	Date: 01/04/2021
Check One: ☒ New ☐ Transfer ☐ Reactivate		Changes (please specify): Online Submission	

SR99370

385 N Arrowhead Ave, 2nd floor, San Bernardino, CA 92415 | Phone: 800.442.2283 • Fax: 909.387.4323
Email: EHS.CustomerService@dph.sbcounty.gov
www.SBCounty.gov
www.sbcounty.gov/dph/dehs
Phone: (800) 442-2283

SAN BERNARDINO COUNTY

Public Health
Environmental Health Services

APPLICATION FOR WELL PERMIT

THIS SECTION TO BE COMPLETED BY APPLICANT • HEALTH PERMITS ARE NOT TRANSFERABLE

1 – PROPERTY INFORMATION

Property Owner: Acc Bld, LLC			Phone Number: 909-793-2853x2269
Site Address: 301 Tennessee Street		City: Redlands	State: CA / Zip: 92373
Assessor's Parcel Number: 0292-192-11		Email: VBurgess@esri.com	
Township: N/S Tier: 1S		E/W Range: 3W	Section: 28
Well Head: Latitude (decimal): 34.056925		Longitude (decimal): -117.201015	
Property Owner's Mailing Address: P.O. Box 7538		City: Redlands	State: CA / Zip: 92375

2 – CONSULTANT INFORMATION

Name of Consultant: Partner Engineering and Science, Inc.		Email: Rodolfo@partneresi.com	Phone Number: 310-765-7249
Address: 2154 Torrance Boulevard, Suite 200		City: Torrance	State: CA / Zip: 90501

3 – REGISTERED WELL DRILLER INFORMATION

Name of Driller: J&H Drilling Co., Inc. dba MR Drilling Co.			Phone Number: 714-994-0402
Email:		Troy@mrdrillco.com	C-57 License Number: 740854
Return well permit to: ☐ Well Driller ■ Consultant ☐ Property Owner			Return by: ☐ Mail ■ Email

4 – TYPE OF WORK

■ New ☐ Reconstruction ☐ Destruction

Date of Work	Start Date: 4/13/21	Completion Date: 4/14/21	Estimated groundwater depth: 145'

5 – WELL TYPE

☐ Agriculture	☐ Geothermal	☐ Industrial
☐ Cathodic	☐ Horizontal	■ Monitoring/Observation
☐ Community/PWS/City – **Specify Use Below**	☐ Residential – cannot be used as a community well	☐ Test
Use:		☐ Other

6 – ANNULAR SEAL

Seal Depth (ft.): See Figure 2 Nested

☐ Driven Conductor Diameter (in.) ☐ Wall (gauge) (in.) ☐ Drilling method

■ Sealing Material: Nested -concrete, hydrated bentotnite chips ☐ Thickness (in.)

Sealing material shall be placed in one continuous pour. Annular seal thickness must be at least 2 inches for public water supply wells.

ITEMS 7 THROUGH 10 TO BE ESTIMATED FOR NEW WELLS, EXACT FOR ALL OTHER WELLS

7 – DIMENSIONS

Proposed Depth of Well (ft.)	Existing Depth of Well (ft.)	Diameter of Bore (in.)
160	NA	8.25

8 – CASING INSTALLED

■ Casing Material ☐ ATSM/AWWA/APPI PVC and NYLAFLOW TUNING

From (ft.)	To (ft.)	Diameter (in.)	Wall (Gauge)
0	160	2	Schedule 80 PVC
0 / 0	100 / 125	0.25	Nylaflow Tubing X 2
Gravel Pack ■ Yes ☐ No		From (ft.) 138	To (ft.) 160
Specify Other Backfill Material: Cement-Bentonite Grout / Hydrated Bentonite Chips		From (ft.) 0 / 98.75	To (ft.) 98.75 / 138

9 – PERFORATIONS (list all if applicable)			
From (ft.) 140	To (ft.) 160	Well Screen Size 0.010-inch	Pumping Rate (gpm) NA
10 – SEALED ZONES (list all if applicable)			
From (ft.) NA	To (ft.)		

11 – PLOT PLAN

a) In perspective to the well site, sketch and label the following items **on a separate paper**: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

b) Indicate the distance, in **feet**, of any of the above which are within 500 ft. of the well site. The plot plan needs to be drawn to scale (½ inch = 100 feet). Show the approximate drainage pattern of the property and show access roads to the well site within 500 feet.

c) ☐ None of the above is within 500 feet.

d) Solid or Liquid Disposal Site within Two Miles ☐ Yes ■ No Location

12 – METHOD OF CONSTRUCTION OR DESTRUCTION

Provide the method of construction/destruction in the space below or as an attachment if more space is needed. The method shall be in accordance with the standards recommended in the California Department of Water Resources Bulletin No. 74-81 and 74-90. Title 22 standards shall also be followed for public water supply wells.

I will submit water well drillers report to Environmental Health Services within 30 days of completion, and will construct or destroy well/borings in accordance with the permit application and Water Well Standards Bulletin 74-81 & 74-90.

13 – AGREEMENT AND SIGNATURE

I have read this application and agree to comply with all laws regulating the type of work being performed.

Property Owner's Signature X Donald J Berry	Date 3/23/2021
Print Property Owner's Name Donald J. Berry, Jr. Manager	
C-57 Contractor's Signature X Steve Molera	Date 03-23-21
Print Contractor's Name Steve Molera	

For Office Use Only DISPOSITION OF PERMIT

☐ Sent to Water Agency
☐ Water Agency conditions or recommendations attached
☐ Denied
☒ Approved subject to the following:

For Office Use Only	
Permit Number:	2021040238
Expiration Date:	10-12-21
WP Number:	WP0036983

A. ☒ Notify the Division's Safe Drinking Water Program at (800) 442-2283 at least seventy two (72) hours in advance to make an inspection of the following operations: (Inspections are conducted Monday – Friday between 8:00 AM to 5:00 PM). Failure to cancel or reschedule appointments may result in an additional hourly fee.

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
- ☐ After installation of the surface protective slab and pumping equipment.
- ☐ After installation of the surface features.
- ☐ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Division, within thirty (30) days after completion of work, a copy of:

☒ Water Well Driller's Report ☐ Bacterial Analysis ☐ Inorganic Chemical Analysis ☐ General Physical
☐ Radiological Analysis ☐ Nitrate as Nitrogen ☐ Organic Chemical Analysis ☐ General Mineral

Comments

For Office Use Only For Office Use Only For Office Use Only For Office Use Only For Office Use Only

Fee: $320	FA Number:	Record ID: SR0100854	PE Number: 4555
Late Fee: ☐ Y ☒ N	Designated Employee: JHERI Y.	Received By: VALERIE A.	Date: 3/24/2021
Check One: ☒ New ☐ Transfer ☐ Reactivate		Changes (please specify): ONLINE PAYMENT	

APPENDIX C: PRIVATE UTILITY LOCATOR REPORT

SubSurface Surveys
& Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011

Office: (760) 476-0492
Fax: (760) 476-0493

January 20, 2021

Project/Invoice No. 21-034

Partner
2154 Torrance Blvd, Suite 200
Torrance, California 90501

Attn: **Rodolfo Nadres**

Re: Geophysical Investigation Report, 301 Tennessee Street, Redlands, California

This report is to present the results of our geophysical survey carried out at 301 Tennessee Street, Redlands, California (Figure 1). The survey was performed on January 20, 2021, and its purpose was to locate and identify, insofar as possible, pipes, conduits, utilities, and other underground obstructions in the immediate vicinity of sixteen (16) proposed borehole locations.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were brought to the field in anticipation of use. Utility locators with line tracing capabilities were also used where applicable.

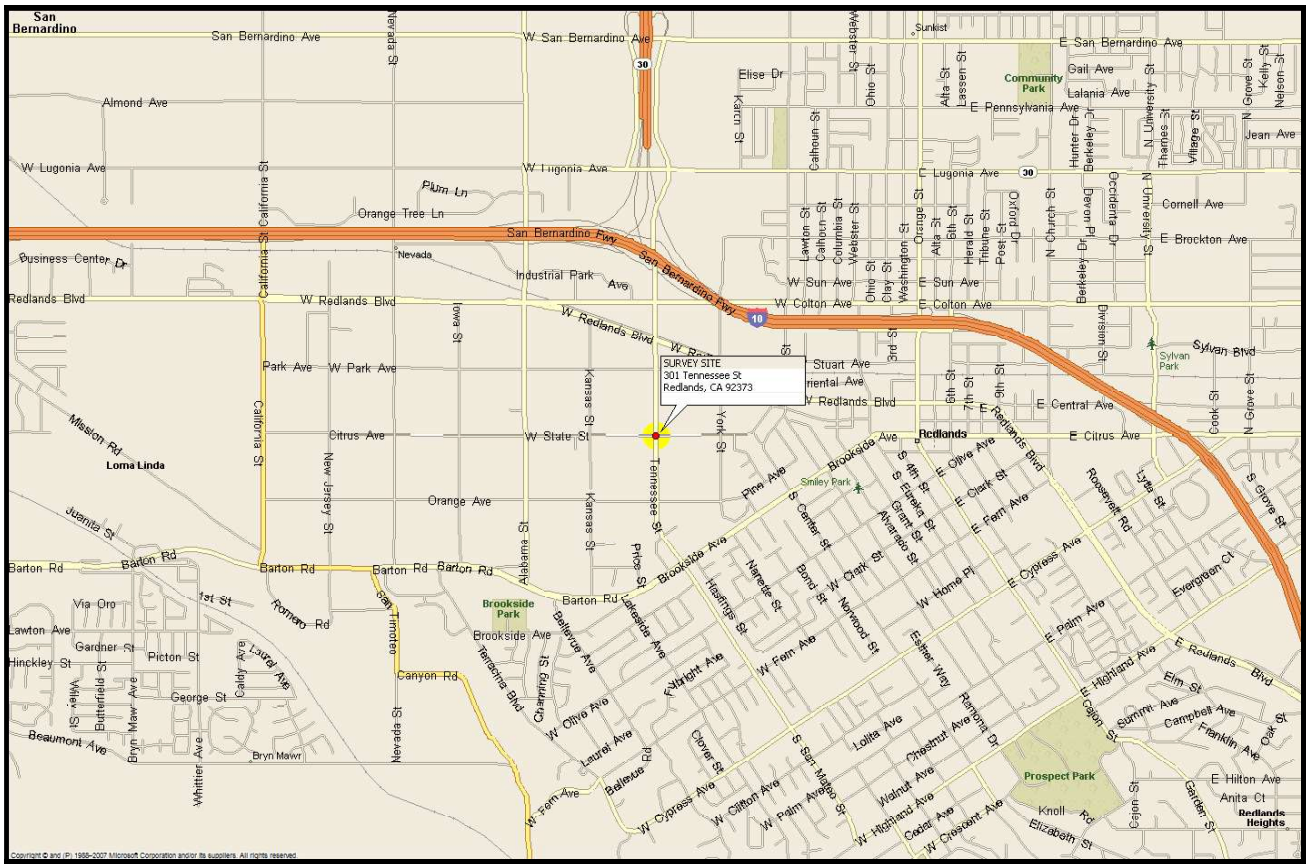

FIGURE 1. Site location map.

Survey Design – The survey site was located at a former La-Z-Boy. Nine (9) boreholes were located throughout the exterior of the facility. Seven (7) boreholes were located inside buildings with their exact location indicated in the field by the client.

Note that the EM and magnetic instruments could not be effectively used inside the buildings due to metallic interferences such as rebar-reinforcing and machinery. Consequently, inside the buildings, the survey could only be conducted with the GPR and utility locators and was, therefore, somewhat limited.

For this particular site and survey objectives, the best use of time was achieved by systematically free-traversing with the instruments while monitoring them manually, continuously, and in real-time to determine which responses were significant and due to true subsurface targets, and which were due to other non-target or above-ground features and must be ignored (an example being nearby buildings concrete). In these situations, the free-traversing method is advantageous in that it allows for immediate detection of anomalous objects and facilitates the opportunity to investigate them further despite any obstructions and without the need to first download data. Where applicable, and depending on location, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals found in active electrical and communication lines.

A Geonic's model EM61 and a Fischer TW-6 M-Scope was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat

focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site using spray chalk, reported to the client, and are further documented with site photographs of all areas investigated (Figures 2-17).

Items detected in the vicinity of the boreholes were marked in coordinated standard colors including red for electric, yellow for gas, blue for water, green for sewer, and white for lines of unknown utility type. Please review the site photographs for the locations and orientations of all items found within the vicinity of the boreholes.

At the conclusion of the survey, all boreholes were positioned in order to provide adequate clearance from detected obstructions. In their final locations they were marked in in white with a yellow "SSS" to indicate that each had been checked by company personnel.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limited GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing

signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data generated on this project are in confidential file in this office, and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.

Dustin Renck
Staff Geophysicist, SubSurface Surveys

Travis Crosby
CA State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys



Figure 2

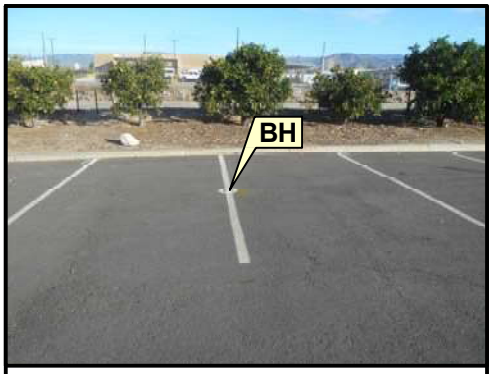

Figure 3

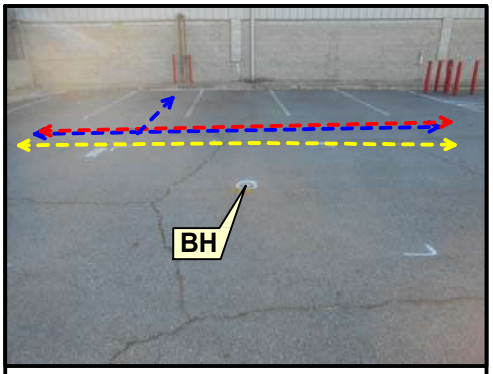

Figure 4



Figure 5



Figure 6



Figure 7

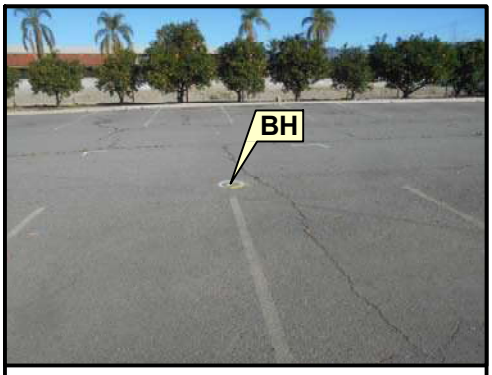

Figure 8

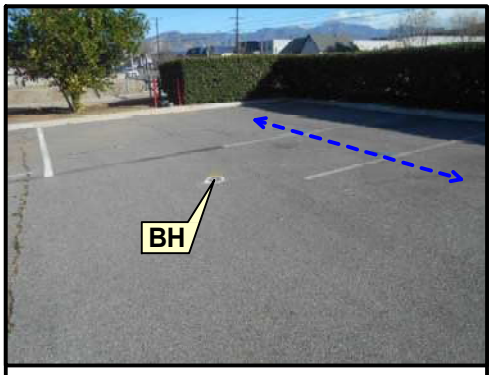

Figure 9

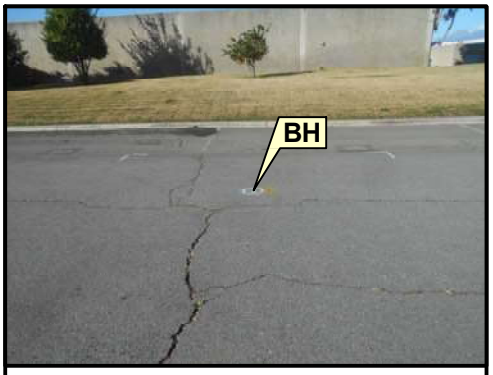

Figure 10



Figure 11

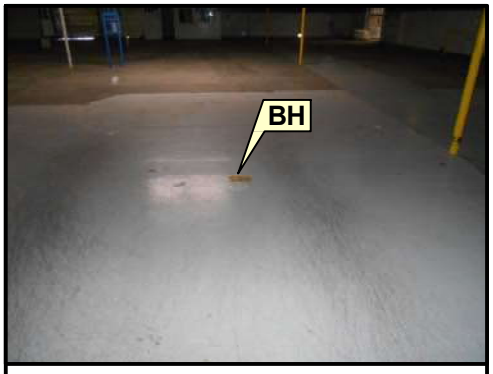

Figure 12

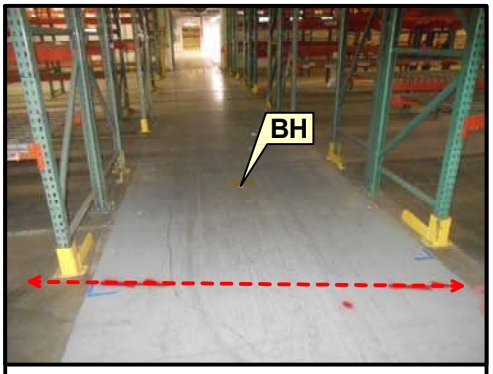

Figure 13

Sub Surface Surveys	SITE: **301 Tennessee Street** **Redlands, California**	TITLE: **Site Photographs**	SURVEY DATE: **January 20, 2021**
		PREPARED FOR: **Partner**	SSS PROJECT NO: **21-034**



Figure 14

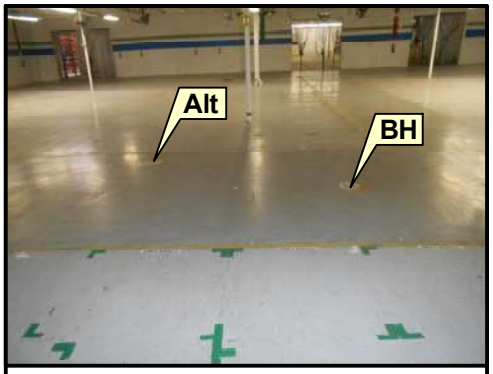

Figure 15

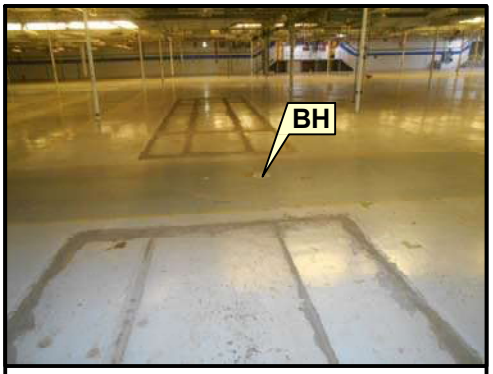

Figure 16



Figure 17

No Image

No Image

No Image

No Image

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No Image

No Image

No Image

Sub Surface Surveys	SITE: **301 Tennessee Street Redlands, California**	TITLE: **Site Photographs**	SURVEY DATE: **January 20, 2021**
		PREPARED FOR: **Partner**	SSS PROJECT NO: **21-034**

APPENDIX D: WELL DEVELOPMENT FIELD SHEETS

Well Development Data Sheet

Project #: SM20-284007	Project Site: Former LZ-Z-Boy
Developer: MR Drilling	Date Developed: 04/21/21
Well I.D.: MW-1	Well Diameter: (circle one) (2) 4 6 __
Total Well Depth (TWD): Before 128.16 After 129.07	Depth to Water (DTW): Before 112.94 After 113.50
Reason Not Developed: —	If Free Product, Thickness: N/A
Additional Notations:	

Volume Conversion Factor (VCF):
(12 X (d^2/4) X 3.1416)/231
where:
12 = inches/foot
d = diameter (in inches)
231 = cubic inches/gallon

Well Diameter	VCF
2"	0.16
3"	0.37
4"	0.65
6"	1.47
10"	4.08
12"	6.87

1 case volume = (TWD - DTW) X VCF

* or - Stable reading NTU < 5 or 10
- 1 Drum of water
(whichever is less)

Min

2.5	X	3	=	7.5
1 Case Volume		Specified Volumes		Gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump ~~Grundfos~~ Grundfos
Other Equipment Used _____

Time	Temp. (F / C)	pH 8.89	Cond. (mS / µS)	Turbidity (NTUs)	Volume Removed (gallons)	DTW (feet)	Notations
~~0950~~	74.9	~~8.89~~	0.737	~~0.0~~ Max	10	115.80	Pumping .5gal/min
1000	75.8	8.20	0.735	MAX	13	117.25	
1011	72.6	7.88	0.857	MAX	17	117.20	
1020	73.8	7.71	0.909	~~100~~ 995	20.5	117.25	
1030	73.5	7.73	0.918	914	24	117.37	
1040	74.7	7.99	0.898	657	27	117.42	
1050	72.5	7.98	0.885	360	31.5	117.41	
1100	72.1	8.10	0.876	266	34.0	117.57	
1110	72.9	7.71	0.793	273	39.0	117.70	
1120	75.7	7.68	0.842	165	42	117.75	
1130	73.0	7.87	0.837	85.8	45	117.73	
1140	74.8	7.97	0.839	51.0	48.5	117.68	
1150	75.3	7.87	0.840	46.9	52	117.54	
Final reading 1155	74.0	7.79	0.839	52.8	53.5	117.55	One drum full Stop work water clear
Did Well Dewater?		If Yes, Note Above		Gallons Actually Evacuated:			

PARTNER
Engineering and Science, Inc.

APPENDIX E: GENERAL FIELD PROCEDURES FOR WELL PURGING AND GROUNDWATER SAMPLING

General Field Procedures
For Well Purging and Groundwater Sampling

These general guidelines will be followed unless additional directives are provided by the Client and/or regulatory agency and/or are warranted based on previous on-site experience. Deviations will be noted in the associated groundwater monitoring report.

The sequence of the monitoring activities will be followed as specified by the project manager. In general, gauging, purging, and sampling activities will be conducted in order from the least to the most impacted wells, whenever feasible, as based on previous on-site experience and/or historical information.

Decontamination

Nitrile gloves will be worn during gauging, purging, and sampling activities. Gloves will be changed at least after each well or more often as required.

Equipment that could come into contact with fluids and/or residue from wells will be dedicated to specific wells, decontaminated between uses, and/or discarded following a single use. Equipment decontamination will consist of a wash in a solution of Liquinox detergent and water followed by a double water rinse, each of which will be performed in a separate container. Care will be taken to decontaminate equipment prior to use on the first well, before use in a subsequent well, and prior to demobilizing from the site.

Groundwater Elevation Measurements

Each well to be monitored will be located based on the provided site map. Well boxes will be opened and debris and/or fluids present in the well box will be removed prior to removal of the well cap. If identified, damages to the well box and/or top of casing (TOC) will be recorded in the field sheets.

Measurements will be recorded to within 0.01 foot using a water level indicator or an interface meter if the presence of light or dense non-aqueous phase liquid (LNAPL or DNAPL, respectively) is known or suspected. A permanent survey mark on the TOC will be used as a constant reference point or the north side of the TOC if a survey mark is not available. NAPL thickness (if encountered), depth to groundwater, and total well length will be recorded for each well in the field sheets.

If LNAPL is not present (<0.02 foot), the well will be purged and sampled as discussed in the proceeding sections. If LNAPL is encountered (>0.02 foot), the total well length will not be measured and the well will not be purged or sampled, though LNAPL will be removed as practical and time permitting with a bailer and placed in a separate, grounded container for disposal.

Conventional Groundwater Purging

The purge volume of each well will be calculated based on the depth to groundwater, well diameter, and total well length. A purge volume equivalent to three well column volumes of groundwater will be removed from the well by vacuum truck, submersible pump, or bailer. The groundwater parameters temperature, pH, conductivity, turbidity, dissolved oxygen, and/or oxidation-reduction potential (ORP) will be periodically recorded at a rate of no less than one reading per well column volume while purging.

Purging may be discontinued prior to removing the calculated purge volume if the well is pumped dry (i.e., dewatered). Sampling may proceed after the water column height has recovered to at least 80% of the pre-purge groundwater level or after 2 hours, whichever is sooner.

Low-Flow Purging

The purpose of low flow sampling is to minimize disturbances to groundwater chemistry during the purging process sample collection and to reduce the amount of investigation-derived waste (IDW) that is generated.

The pump will be set at the desired extraction point within the well prior to purging. This depth will be recorded and the pump will be set at the same depth during future sampling events. Unless otherwise specified, the default depth of the pump in wells will be near the midpoint of the well screened interval.

At least one system volume (i.e., pump tubing volume) will be removed prior to recording groundwater parameters. The groundwater parameters temperature, pH, conductivity, turbidity, dissolved oxygen, and/or ORP will be periodically recorded at a rate of one reading every 3 to 5 minutes. Purging may cease once groundwater parameters stabilize. Groundwater parameter stabilization is considered to be fluctuations of less than 3% in temperature; 10% in conductivity, turbidity, and dissolved oxygen; 0.1 units in pH; and 10 millivolts in ORP over three consecutive readings.

The depth to water (DTW) will be recorded with a water level meter during purging to monitor the water column drawdown. The pump will purge groundwater from the well at a flow rate of no more than 500 milliliters per minute (typically between 200 and 500 milliliters per minute) that results in a stabilized water column drawdown of no greater than 0.33 feet after purging the initial system volume.

Sampling may begin once groundwater parameters and well column drawdown stabilize.

For wells where the water column drawdown is unable to stabilize, the pump will be shut off for 15 minutes after removing one system volume to allow groundwater to recharge before restarting the well purging. This will be performed for up to two iterations. In the event that the well drawdown cannot stabilize after two iterations, the well may be sampled during the third attempt at well purging.

Sample Collection

For wells that have been conventionally purged, a sample will be collected once the water column height has recovered to at least 80% of the pre-purge groundwater level by lowering a new, disposable bailer beneath the groundwater surface to allow water to enter the bailer (bailers used to sample wells for volatile organics analysis will not be fully submerged). The water-filled bailer will be retrieved from the well and groundwater will be conveyed into laboratory-supplied sample containers

For low-flow purged wells, groundwater will be conveyed directly from the pump discharge tubing into laboratory-supplied containers. The pump flow rate will be maintained or reduced slightly during sampling. The pump will be shut off and downhole sampling equipment will be retrieved from the well after sampling.

The type and number of sample containers to be collected will be based on the analyses to be conducted. Care will be taken while conveying the sample into the containers to avoid excessive turbulence and/or aeration. Containers for analysis of volatile compounds will be filled with no observable headspace or air

bubbles to minimize the potential for volatilization. Sample containers will be sealed, labeled for identification, placed into a plastic bag, and stored in an iced cooler. The samples will be transported in an iced cooler (if necessary based on the target analyte[s]) under chain-of-custody protocol to the laboratory for analysis.

Each well cap and well box lid will be securely replaced prior to demobilizing from the site.

Trip Blanks and Duplicate Samples

Trip blanks can be used to identify systematic sources of cross-contamination and will be prepared prior to sample collection, if required for the project. The trip blank containers, which will be filled with deionized water, will be stored in the iced cooler for the duration of the monitoring episode and submitted to the laboratory for analysis along with the collected samples.

Duplicate samples can be used to assess the precision of the laboratory analyses and can be collected, if required for the project. The duplicate samples will be collected consecutively to minimize variations between the samples. Sample collection will be performed as described in the previous sections and the sample will be labeled with a unique identification to disassociate the two samples.

Investigation-Derived Wastes

Generated decontamination and purge water will be containerized in labeled and sealed 55-gallon steel drums. The drums of IDW will remain on-site in a secure location until transportation to an appropriate off-site receiving facility for treatment, recycling, and/or disposal can be arranged.

APPENDIX F: GROUNDWATER MONITORING FIELD SHEETS

WELL GAUGING DATA

Project # 210503-AP1 Date 05/03/21 Client Partner

Site 301 Tennessee St., Redlands, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW1	0728	2					112.93	128.71	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210503-AP1	Client: Partner
Sampler: AP	Gauging Date: 05/03/21
Well I.D.: MW1	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 128.71	Depth to Water (ft.): 112.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump Peristaltic Pump (Bladder) Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 0741 Flow Rate: 300 ml/min Pump Depth: 123.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or ~~µS/cm~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0744	21.7	6.90	631	>1000	5.99	129.9	900	113.23
0747	21.6	6.92	635	>1000	6.03	125.2	1800	113.24
0750	21.8	6.90	640	987	6.08	122.4	2700	113.24
0753	21.7	6.88	641	804	6.03	120.2	3600	113.24
0756	21.6	6.86	643	617	5.98	117.5	4500	113.24
0759	21.6	6.85	646	572	5.89	115.9	5400	113.24
0802	21.6	6.83	650	633	5.84	114.7	6300	113.24
0805	21.6	6.83	650	518	5.86	113.8	7200	113.24
0808	21.6	6.81	661	505	5.83	112.5	8100	113.24

Did well dewater? Yes (No) Amount actually evacuated: 8.1L

Sampling Time: 0809 Sampling Date: 05/03/21

Sample I.D.: MW1 Laboratory: Alpha Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) VOCs

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Client Partner Date 05/03/21

Site Address 301 Tuesssee St, Redlands CA

Job Number 210503-AP1 Technician AP

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW1	✓	✓	✓							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro Plus	18K300100	05/03/21 0734	7.00 3900 [illegible] 4.00 PH 10.0 DO 10.00 240 ORP	7.04 3902 4.02 9.96 10.00 240.8	✓ ✓ ✓ ✓ ✓ ✓	19.6°C	AP

APPENDIX G: LABORATORY REPORTS

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Alpha Scientific Corporation

16760 Gridley Road

Cerritos, CA 90703

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3007**

Expiration Date: **11/30/2021**

Effective Date: **12/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Alpha Scientific Corporation

16760 Gridley Road
Cerritos, CA 90703
Phone: 5628098880

Certificate No. 3007
Expiration Date 11/30/2021

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.080	001	Temperature	SM 2550 B-2010
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.195	001	Sulfate (as SO4)	SM 4500-SO4 E-2011

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)

As of 12/1/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.040	001	Acetone	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.160	004	Benzidine	EPA 625.1

111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	038	1,2,4-Trichlorobenzene	EPA 625.1
111.160	039	Hexachlorocyclopentadiene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	109	N-nitrosodi-n-propylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B

114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

01-29-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/301 Tennessee St., Redlands, CA
Sample Date: 01-20/21/22-2021
Lab Job No.: PA101045

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 01-22-2021 and analyzed by the following EPA methods:

LUFT GC/MS Method (TPH-G)
EPA 8015M (TPH-D & TPH-O)
EPA 6010B/7471A for CAM Metals
EPA 8260B (VOCs & Oxygenates by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Project Site:	Former La-Z-Boy/301 Tennessee St., Redlands, CA	Date Sampled:	01-22-2021
Matrix:	Soil	Date Received:	01-22-2021
Batch No. for TPH-g: AMA22-GS1		Date Analyzed:	01-22-2021
Batch No. for TPH-d&o:BA25-DS1		Date Analyzed:	01-25-2021
		Date Reported:	01-29-2021

EPA 8015M (Total Petroleum Hydrocarbons)
Reporting Unit: mg/kg (ppm)

Sample ID	Lab ID	DF for TPH-G	C4-C12 TPH-G*	Surrog Rec.% TPH-G	DF for TPH-D/O	C13-C23 TPH-D	C24-C40 TPH-O	Surrog Rec.% TPH-D/O
MDL			0.2			5	20	
PQL			0.5			10	40	
Method Blank		1	ND	82	1	ND	ND	96
Composite	PA101045-61	1	ND	83	1	ND	22.3J	95

* Gasoline Range TPH result is obtained from purge and trap analysis using LUFT-GC/MS method;
MDL: Method Detection Limit;
PQL: Practical Quantitation Limit;
ND: Not Detected (below MDL);
J: Result is between MDL and PQL.;
Note: Surrogate recovery acceptance limits are 70-130%.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-22	01-22-21				
DILUTION FACTOR			1	1				
LAB SAMPLE I.D.			MB	PA101045-61				
CLIENT SAMPLE I.D.				Composite				
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND				
Chloromethane	2	5	ND	ND				
Vinyl Chloride	2	5	ND	ND				
Bromomethane	2	5	ND	ND				
Chloroethane	2	5	ND	ND				
Trichlorofluoromethane	2	5	ND	ND				
1,1-Dichloroethene	2	5	ND	ND				
Iodomethane	2	5	ND	ND				
Methylene Chloride	5	10	ND	ND				
trans-1,2-Dichloroethene	2	5	ND	ND				
1,1-Dichloroethane	2	5	ND	ND				
2,2-Dichloropropane	2	5	ND	ND				
cis-1,2-Dichloroethene	2	5	ND	ND				
Bromochloromethane	2	5	ND	ND				
Chloroform	2	5	ND	ND				
1,2-Dichloroethane (EDC)	2	5	ND	ND				
1,1,1-Trichloroethane	2	5	ND	ND				
Carbon tetrachloride	2	5	ND	ND				
1,1-Dichloropropene	2	5	ND	ND				
Benzene	1	2	ND	ND				
Trichloroethene	2	5	ND	ND				
1,2-Dichloropropane	2	5	ND	ND				
Bromodichloromethane	2	5	ND	ND				
Dibromomethane	2	5	ND	ND				
Trans-1,3-Dichloropropene	2	5	ND	ND				
cis-1,3-Dichloropropene	2	5	ND	ND				
1,1,2-Trichloroethane	2	5	ND	ND				
1,3-Dichloropropane	2	5	ND	ND				
Dibromochloromethane	2	5	ND	ND				
2-Chloroethylvinyl ether	2	10	ND	ND				
Bromoform	2	5	ND	ND				
Isopropylbenzene	2	5	ND	ND				
Bromobenzene	2	5	ND	ND				
Toluene	1	2	ND	ND				

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	Composite				
Tetrachloroethene	2	5	ND	ND				
1,2-Dibromoethane(EDB)	2	5	ND	ND				
Chlorobenzene	2	5	ND	ND				
1,1,1,2-Tetrachloroethane	2	5	ND	ND				
Ethylbenzene	1	2	ND	ND				
Total Xylenes	2	4	ND	ND				
Styrene	2	5	ND	ND				
1,1,2,2-Tetrachloroethane	2	5	ND	ND				
1,2,3-Trichloropropane	2	5	ND	ND				
n-Propylbenzene	2	5	ND	ND				
2-Chlorotoluene	2	5	ND	ND				
4-Chlorotoluene	2	5	ND	ND				
1,3,5-Trimethylbenzene	2	5	ND	ND				
tert-Butylbenzene	2	5	ND	ND				
1,2,4-Trimethylbenzene	2	5	ND	ND				
Sec-Butylbenzene	2	5	ND	ND				
1,3-Dichlorobenzene	2	5	ND	ND				
p-Isopropyltoluene	2	5	ND	ND				
1,4-Dichlorobenzene	2	5	ND	ND				
1,2-Dichlorobenzene	2	5	ND	ND				
n-Butylbenzene	2	5	ND	ND				
1,2,4-Trichlorobenzene	2	5	ND	ND				
1,2-Dibromo-3-Chloropropane	2	5	ND	ND				
Hexachlorobutadiene	2	5	ND	ND				
Naphthalene	2	5	ND	ND				
1,2,3-Trichlorobenzene	2	5	ND	ND				
Acetone	75	100	ND	ND				
2-Butanone (MEK)	50	100	ND	ND				
Carbon Disulfide	25	50	ND	ND				
4-Methyl-2-pentanone	50	100	ND	ND				
2-Hexanone	50	100	ND	ND				
Vinyl Acetate	25	50	ND	ND				
Ethanol	500	1000	ND	ND				
MTBE	2	5	ND	ND				
ETBE	2	5	ND	ND				
DIPE	2	5	ND	ND				
TAME	2	5	ND	ND				
TBA	20	50	ND	ND				
SURROGATE	**Accept Limit%**		**%RC**	**%RC**				
Dibromofluoro-methane	79-126		87	94				
Toluene-d8	79-121		92	88				
Bromofluoro-benzene	71-131		84	85				

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Project Site:	Former La-Z-Boy/301 Tennessee St., Redlands, CA	Date Sampled:	01-22-2021
Matrix:	Soil	Date Received:	01-22-2021
Digestion Method:	EPA 3050B	Date Digested:	01-26-2021
Batch No.:	0126-MS1	Date Analyzed:	01-26-2021
		Date Reported:	01-29-2021

EPA 6010B/7471A for CAM Metals (TTLC)

Reporting Units: mg/kg (ppm)

Element	EPA Method	Method Blank	PA101045-61 Composite					**MDL**	**PQL**
Antimony (Sb)	6010B	ND	3.6					1	2
Arsenic (As)	6010B	ND	ND					0.5	1
Barium (Ba)	6010B	ND	70.1					1	2
Beryllium (Be)	6010B	ND	ND					1	2
Cadmium (Cd)	6010B	ND	ND					1	2
Chromium (Cr)	6010B	ND	20.6					1	2
Cobalt (Co)	6010B	ND	10.5					1	2
Copper (Cu)	6010B	ND	12.5					1	2
Lead (Pb)	6010B	ND	1.5J					1	2
Molybdenum (Mo)	6010B	ND	ND					1	2
Nickel (Ni)	6010B	ND	28.0					1	2
Selenium (Se)	6010B	ND	ND					0.5	1
Silver (Ag)	6010B	ND	ND					1	2
Thallium (Tl)	6010B	ND	ND					1	2
Vanadium (V)	6010B	ND	75.4					1	2
Zinc (Zn)	6010B	ND	49.4					1	2
Mercury (Hg)	7471A	ND	ND					0.1	0.2

MDL: Method Detection Limit;
PQL: Practical Quantitation Limit;
ND: Not Detected (less than MDL);
J: Result is between MDL and PQL.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-22	01-22-21	01-22-21	01-22-21	01-22-21	01-22-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-1	PA101045-2	PA101045-3	PA101045-4	PA101045-5
CLIENT SAMPLE I.D.				B1-5'	B1-10'	B1-15'	B1-20'	B1-25'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B1-5'	B1-10'	B1-15'	B1-20'	B1-25'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		87	92	94	101	97	101
Toluene-d8	79-121		92	92	95	93	94	92
Bromofluoro-benzene	71-131		84	91	91	89	91	90

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-22	01-22-21	01-22-21	01-22-21	01-22-21	01-22-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-6	PA101045-7	PA101045-8	PA101045-9	PA101045-10
CLIENT SAMPLE I.D.				B1-30'	B1-35'	B1-40'	B1-45'	B1-50'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	4.1J	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B1-30'	B1-35'	B1-40'	B1-45'	B1-50'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		87	95	92	93	97	96
Toluene-d8	79-121		92	92	91	93	89	91
Bromofluoro-benzene	71-131		84	89	87	86	88	90

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-11	PA101045-12	PA101045-13	PA101045-14	PA101045-15
CLIENT SAMPLE I.D.				B1-55'	B1-60'	B1-65'	B1-70'	B1-75'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	3.5J	3.1J
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-22-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B1-55'	B1-60'	B1-65'	B1-70'	B1-75'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		90	92	100	98	98	95
Toluene-d8	79-121		92	91	88	92	89	91
Bromofluoro-benzene	71-131		85	86	92	100	90	87

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-16	PA101045-17	PA101045-18	PA101045-19	PA101045-20
CLIENT SAMPLE I.D.				B2-5'	B2-10'	B2-15'	B3-5'	B3-10'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B2-5'	B2-10'	B2-15'	B3-5'	B3-10'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		90	97	97	99	94	97
Toluene-d8	79-121		92	92	91	92	91	90
Bromofluoro-benzene	71-131		85	89	93	84	87	92

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-21	PA101045-22	PA101045-23	PA101045-24	PA101045-25
CLIENT SAMPLE I.D.				B3-15'	B4-5'	B4-10'	B4-15'	B5-5'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B3-15'	B4-5'	B4-10'	B4-15'	B5-5'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		90	95	100	95	95	92
Toluene-d8	79-121		92	91	92	93	92	91
Bromofluoro-benzene	71-131		85	89	87	87	86	88

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-26	PA101045-27	PA101045-28	PA101045-29	PA101045-30
CLIENT SAMPLE I.D.				B5-10'	B5-15	B6-5'	B6-10'	B6-15'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B5-10'	B5-15	B6-5'	B6-10'	B6-15'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		90	96	97	100	93	100
Toluene-d8	79-121		92	91	89	94	93	91
Bromofluoro-benzene	71-131		85	86	86	86	85	86

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-31	PA101045-32	PA101045-33	PA101045-34	PA101045-35
CLIENT SAMPLE I.D.				B7-5'	B7-10'	B7-15'	B8-5'	B8-10'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B7-5'	B7-10'	B7-15'	B8-5'	B8-10'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		89	101	90	90	98	95
Toluene-d8	79-121		91	91	91	91	93	91
Bromofluoro-benzene	71-131		84	85	85	90	86	86

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-20/21-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-36	PA101045-37	PA101045-38	PA101045-39	PA101045-40
CLIENT SAMPLE I.D.				B8-15'	B9-5'	B9-10'	B9-15'	B10-5'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	2.3J
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science | Lab Job No.: PA101045 | Date Reported: 01-29-2021
Project: SM20-284007 | Matrix: Soil | Date Sampled: 01-20/21-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B8-15'	B9-5'	B9-10'	B9-15'	B10-5'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		89	98	91	100	96	100
Toluene-d8	79-121		91	93	89	93	92	93
Bromofluoro-benzene	71-131		84	86	86	90	88	89

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-41	PA101045-42	PA101045-43	PA101045-44	PA101045-45
CLIENT SAMPLE I.D.				B10-10'	B10-15'	B11-5'	B11-10'	B11-15'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B10-10'	B10-15'	B11-5'	B11-10'	B11-15'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		89	97	98	92	98	93
Toluene-d8	79-121		91	92	92	92	94	91
Bromofluoro-benzene	71-131		84	88	91	87	86	85

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-46	PA101045-47	PA101045-48	PA101045-49	PA101045-50
CLIENT SAMPLE I.D.				B12-5'	B12-10'	B12-15'	B13-5'	B13-10'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	2.4	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B12-5'	B12-10'	B12-15'	B13-5'	B13-10'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	2.6J	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		89	97	102	99	97	91
Toluene-d8	79-121		91	92	92	91	90	91
Bromofluoro-benzene	71-131		84	83	89	85	91	87

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-24-21	01-24-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-51	PA101045-52	PA101045-53	PA101045-54	PA101045-55
CLIENT SAMPLE I.D.				B15-5'	B15-10'	B15-15'	B16-5'	B16-10'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	1.1J
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B15-5'	B15-10'	B15-15'	B16-5'	B16-10'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		92	101	100	97	97	94
Toluene-d8	79-121		94	91	91	92	92	92
Bromofluoro-benzene	71-131		94	87	89	89	89	92

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			01-23	01-23-21	01-23-21	01-23-21	01-23-21	01-23-21
PREP METHOD			5035	5035	5035	5035	5035	5035
DILUTION FACTOR			1	1	1	1	1	1
LAB SAMPLE I.D.			MB	PA101045-56	PA101045-57	PA101045-58	PA101045-59	PA101045-60
CLIENT SAMPLE I.D.				B16-15'	B17-5'	B18-5'	B18-10'	B18-15'
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND
Toluene	1	2	ND	ND	ND	ND	ND	ND

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA101045
Matrix: Soil

Date Reported: 01-29-2021
Date Sampled: 01-21-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	B16-15'	B17-5'	B18-5'	B18-10'	B18-15'
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	75	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	ND
2-Hexanone	50	100	ND	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
TBA	20	50	ND	ND	ND	ND	ND	ND
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**
Dibromofluoro-methane	79-126		89	98	93	95	97	87
Toluene-d8	79-121		91	94	88	91	91	93
Bromofluoro-benzene	71-131		84	94	86	86	91	89

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

01-29-2021

TPH-Gasoline
Batch QA/QC Report

Client: Partner Engineering & Science
Project: SM20-284007
Matrix: Soil
Batch No: AMA22-GS1

Lab Job No.: PA101045
Lab Sample I.D.: AE101043-1
Date Analyzed: 01-22-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	962	845	96.2	84.5	12.9	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
TPH-g	976	1,000	97.6	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 8015M (TPH)
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	AI101049-1
Batch No:	BA25-DS1	Date Analyzed:	01-25-2021

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-D	ND	200	197	214	98.5	107.0	8.3	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
TPH-D	170	200	85.0	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 6010B/7471A for CAM Metals (TTLC)
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	AI101048-1
Batch No.:	0126-MS1	Date Analyzed:	01-26-2021

I. MS/MSD Report
Unit: ppm

Analyte	EPA Method	Sample Conc.	Spike Conc.	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Antimony (Sb)	6010B	2.2	10	101.3	104.2	2.8	30	70-130
Arsenic (As)	6010B	2.3	10	108.3	110.0	1.5	30	70-130
Barium (Ba)	6010B	75.0	10	98.5	98.3	0.2	30	70-130
Beryllium (Be)	6010B	ND	10	102.1	102.2	0.1	30	70-130
Cadmium (Cd)	6010B	ND	10	105.9	106.9	0.9	30	70-130
Chromium (Cr)	6010B	12.7	10	96.1	94.4	1.8	30	70-130
Cobalt (Co)	6010B	7.7	10	100.1	100.4	0.3	30	70-130
Copper (Cu)	6010B	18.3	10	105.9	107.2	1.2	30	70-130
Lead (Pb)	6010B	10.5	10	98.0	100.8	2.8	30	70-130
Molybdenum (Mo)	6010B	ND	10	105.8	107.3	1.4	30	70-130
Nickel (Ni)	6010B	12.0	10	72.1	85.2	16.7	30	70-130
Selenium (Se)	6010B	ND	10	111.8	108.7	2.8	30	70-130
Silver (Ag)	6010B	ND	10	119.9	117.6	2.0	30	70-130
Thallium (Tl)	6010B	ND	10	125.0	119.2	4.8	30	70-130
Vanadium (V)	6010B	60.3	10	98.9	99.1	0.2	30	70-130
Zinc (Zn)	6010B	65.6	10	97.7	98.3	0.7	30	70-130

ND: Not Detected.

01-29-2021

EPA 6010B/7471A for CAM Metals
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	LCS
Batch No.:	0126-MS1	Date Analyzed:	01-26-2021

II. LCS Result
Unit: ppm

Analyte	EPA Method	LCS Value	True Value	Rec.%	Accept. Limit
Antimony (Sb)	6010B	9.740	10	97.4	80-120
Arsenic (As)	6010B	9.267	10	92.7	80-120
Barium (Ba)	6010B	10.57	10	105.7	80-120
Beryllium (Be)	6010B	10.13	10	101.3	80-120
Cadmium (Cd)	6010B	10.39	10	103.9	80-120
Chromium (Cr)	6010B	8.933	10	89.3	80-120
Cobalt (Co)	6010B	10.29	10	102.9	80-120
Copper (Cu)	6010B	9.632	10	96.3	80-120
Lead (Pb)	6010B	9.768	10	97.7	80-120
Molybdenum (Mo)	6010B	9.800	10	98.0	80-120
Nickel (Ni)	6010B	9.874	10	98.7	80-120
Selenium (Se)	6010B	10.14	10	101.4	80-120
Silver (Ag)	6010B	10.12	10	101.2	80-120
Thallium (Tl)	6010B	10.86	10	108.6	80-120
Vanadium (V)	6010B	9.543	10	95.4	80-120
Zinc (Zn)	6010B	10.65	10	106.5	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	AE101043-1
Batch No:	0122-VOAS1	Date Analyzed:	01-22-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	20.6	17.7	103.0	88.5	15.1	30	70-130
Benzene	ND	20	20.9	18.0	104.5	90.0	14.9	30	70-130
Trichloro-ethene	ND	20	23.6	19.0	118.0	95.0	21.6	30	70-130
Toluene	ND	20	21.4	18.4	107.0	92.0	15.1	30	70-130
Chlorobenzene	ND	20	23.5	19.7	117.5	98.5	17.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	17.6	20	88.0	80-120
Benzene	18.1	20	90.5	80-120
Trichloro-ethene	19.2	20	96.0	80-120
Toluene	19.0	20	95.0	80-120
Chlorobenzene	20.1	20	100.5	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	PA101045-11
Batch No:	0122-VOAS2	Date Analyzed:	01-23-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	18.2	19.3	91.0	96.5	5.9	30	70-130
Benzene	ND	20	17.1	20.2	85.5	101.0	16.6	30	70-130
Trichloro-ethene	ND	20	19.5	21.1	97.5	105.5	7.9	30	70-130
Toluene	ND	20	18.2	20.4	91.0	102.0	11.4	30	70-130
Chlorobenzene	ND	20	19.9	22.1	99.5	110.5	10.5	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	16.6	20.0	83.0	80-120
Benzene	16.6	20.0	83.0	80-120
Trichloro-ethene	17.9	20.0	89.5	80-120
Toluene	17.7	20.0	88.5	80-120
Chlorobenzene	19.3	20.0	96.5	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	PA101045-44
Batch No:	0123-VOAS1	Date Analyzed:	01-23-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	20.4	16.9	102.0	84.5	18.8	30	70-130
Benzene	ND	20	21.1	17.9	105.5	89.5	16.4	30	70-130
Trichloro-ethene	ND	20	21.7	19.6	108.5	98.0	10.2	30	70-130
Toluene	ND	20	21.0	17.9	105.0	89.5	15.9	30	70-130
Chlorobenzene	ND	20	23.3	19.5	116.5	97.5	17.8	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	18.4	20.0	92.0	80-120
Benzene	20.9	20.0	104.5	80-120
Trichloro-ethene	22.3	20.0	111.5	80-120
Toluene	21.7	20.0	108.5	80-120
Chlorobenzene	23.8	20.0	119.0	80-120

ND: Not Detected (at the specified limit).

01-29-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA101045
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	PA101045-56
Batch No:	0123-VOAS2	Date Analyzed:	01-24-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	15.0	17.0	109.0	95.5	13.2	30	70-130
Benzene	ND	20	17.8	19.4	108.5	90.0	18.6	30	70-130
Trichloro-ethene	ND	20	19.4	21.0	116.0	93.5	21.5	30	70-130
Toluene	ND	20	18.3	19.3	110.0	91.0	18.9	30	70-130
Chlorobenzene	ND	20	19.7	21.8	120.0	94.0	24.3	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	16.8	20.0	84.0	80-120
Benzene	17.4	20.0	87.0	80-120
Trichloro-ethene	19.0	20.0	95.0	80-120
Toluene	17.5	20.0	87.5	80-120
Chlorobenzene	19.7	20.0	98.5	80-120

ND: Not Detected (at the specified limit).

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA101045

Client:	Partner ESI
Address	2154 Torrance Blvd. Suite 200 Torrance CA 90501
Report Attention	Rodolfo Nadres
Phone	(310) 765-7749
Fax	
Sampled by	Anthony Rosas
Project Name/No.	SM20-284007
Project Site	former La-Z-Boy 301 Tennessee Street Redlands, CA 92373

Analyses Requested

T.A.T. Requested
☐ 8 hrs ☐ 24 hrs ☐ 48 hrs
☐ 3 days ☒ Normal

Sample Condition
☒ Chilled ☒ Intact
☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No.,type* & size of container	TPH-Gasoline	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs) 5035	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
B2-5'	PA101045-16	1-20-21	0830	Soil	NaHSO4	2 Voas / 2oz Jar				X				
B2-10'	-17		0831							X				
B2-15'	-18		0835							X				
B4-5'	-22		0940							X				
B4-10'	-23		0945							X				
B4-15'	-24		0950							X				
B3-5'	-19		1052							X				
B3-10'	-20		1055							X				
B3-15'	-21		1057							X				
B5-5'	-25		1150							X				
B5-10'	-26		1152							X				
B5-15'	-27		1157							X				
B6-5'	-28		1300							X				
B6-10'	-29		1302							X				
B6-15'	-30		1307							X				

	Company	Date	Time		Company	Date	Time
Relinquished by	Partner ESI	1-22-21	1440	Received by	ASC	1-22-21	14:40
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, P=Plastic bottle, A=Air Bag, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: White with report, Yellow to courier.

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA101045-

Client: Partner ESI

Address: 254 Torrance Blvd. Suite 200 Torrance CA 90501

Report Attention: Rodolfo Nuñez | Phone: (310)765-7249 | Fax: | Sampled by: Anthony Roses

Project Name/No.: SM20-284007 | Project Site: Former La-Z-Boy 301 Tennessee Street Redlands, CA 92373

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No.,type* & size of container	TPH-Gasoline	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs) 5035	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
B7-5'	PA101045-31	1-20-21	1415	Soil	NaHSO4	2 VOAs / 2oz Jar				X				
B7-10'	-32		1417							X				
B7-15'	-33		1425							X				
B8-5'	-34		1503							X				
B8-10'	-35		1505							X				
B8-15'	-36		1512							X				
B9-5'	-37		1555							X				
B9-10'	-38		1557							X				
B9-15'	-39		1600							X				
B10-5'	-40	1-21-21	1520							X				
B10-10'	-41		1540							X				
B10-15'	-42		1545							X				
B11-5	-43		0830							X				
B11-10'	-44		0832							X				
B11-15'	-45		0835							X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	Partner ESI	1-22-21	1440	[signature]	AC	1-22-21	1440
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, P=Plastic bottle, A=Air Bag, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: White with report, Yellow to courier.

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA101045

Client: Partner ESI

Address: 2154 Torrance Blvd. Suite 200 Torrance CA 90501

Report Attention: Rodolfo Nuñez | Phone: | Fax: | Sampled by: Anthony Ross

Project Name/No.: SM20 284007 | Project Site: Former La-Z-Boy 301 Tennessee Street Redlands, CA 92373

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No.,type* & size of container	TPH-Gasoline	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs) 5035	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
B12-5'	PA101045-46	12/1-21	1330	Soil	NaHSO4	2 VOAs/2oz Jar				X				
B12-10'	-47		1333							X				
B12-15'	-48		1345							X				
B13-5'	-49		[illegible]							X				
B13-10'	-50		[illegible]							X				
[illegible] B17-5'	-57		1700							X				
B18-[illegible] 5'	-58		1630							X				
B18-10'	-59		1635							X				
B18-15'	-60		1640							X				
B15-5'	-51		1235							X				
B15-10'	-52		1237							X				
B15-15'	-53		1240							X				
B16-5'	-54		1200							X				
B16-10'	-55		1205							X				
B16-15'	-56		1215							Y				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	Partner ESI	1-22-21	1440	[signature]	ASC	1-22-21	14:40
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, P=Plastic bottle, A=Air Bag, V=VOA vial, G=Glass bottle

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: White with report, Yellow to courier.

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA10104J

Client:	Partner ESI
Address	2154 Torrance Blvd Suite 200 Torrance CA 90501
Report Attention	Rodolfo Nuñez
Phone	(310) 765-7249
Fax	
Sampled by	Anthony Rosas
Project Name/No.	SM20-284007
Project Site	Former La-Z-Boy 301 Tennessee Street Redlands, CA 92373

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No.,type* & size of container	TPH-Gasoline	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs) 5035	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
B1-5'	PA10104J-1	1-22-21	0750	So, I	NaHSO4	2 40ml / 2 4oz				X				
B1-10'	-2		0755							X				
B1-15'	-3		0800							X				
B1-20'	-4		0805							X				
B1-25'	-5		0810							X				
B1-30'	-6		0815							X				
B1-35'	-7		0820							X				
B1-40'	-8		0825							X				
B1-45'	-9		0830							X				
B1-50'	-10		0845							X				
B1-55'	-11		0850							X				
B1-60'	-12		0400							X				
B1-65'	-13		0403							X				
B1-70'	-14		0910							X				
B1-75'	-15		0915							X				
Composite	-61		1100		—	4oz	X	X		X		X		TPH-CC, VOCs, CAM17

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	Partner ESI	1-22-21	1440	[signature]	ACC	1-22-21	1440
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: White with report, Yellow to courier.

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: Partner ESI Project: SM20-284007 Lab Job# PA101045

Date Received: 1-22-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice ✓ Ice Packs____ Packing Material____

Cooler Temperature (°C) : #1: 4°C #2:____ #3:____ #4:____ #5____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?			✓
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:____

Section 4

Was the Project Manager notified of anomalies? Yes____ No____ N/A ✓

Via Phone: By:____ Date/Time ____

By Email: Sent to:____

Project Manager's response:____

Completed by: SX. Date: 1-22-2021

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

04-15-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy / Redlands, CA
Sample Date: 04-13-2021
Lab Job No.: PA104033

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 04-14-2021 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxygenates by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA104033
Matrix: Water

Date Reported: 04-15-2021
Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/L (ppb)

DATE ANALYZED			04-15	04-15-21				
DILUTION FACTOR			1	1				
LAB SAMPLE I.D.			MB	PA104033-1				
CLIENT SAMPLE I.D.				MW-1				
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	1	5	ND	ND				
Chloromethane	1	5	ND	ND				
Vinyl Chloride	0.5	1	ND	ND				
Bromomethane	1	5	ND	ND				
Chloroethane	1	5	ND	ND				
Trichlorofluoromethane	1	5	ND	ND				
1,1-Dichloroethene	1	5	ND	1.7J				
Iodomethane	1	5	ND	ND				
Methylene Chloride	2	10	ND	ND				
trans-1,2-Dichloroethene	1	5	ND	ND				
1,1-Dichloroethane	1	5	ND	1.6J				
2,2-Dichloropropane	1	5	ND	ND				
cis-1,2-Dichloroethene	1	5	ND	ND				
Bromochloromethane	1	5	ND	ND				
Chloroform	1	5	ND	ND				
1,2-Dichloroethane	0.5	5	ND	ND				
1,1,1-Trichloroethane	1	5	ND	ND				
Carbon tetrachloride	0.5	5	ND	ND				
1,1-Dichloropropene	1	5	ND	ND				
Benzene	0.5	1	ND	ND				
Trichloroethene	1	2	ND	4.8				
1,2-Dichloropropane	1	5	ND	ND				
Bromodichloromethane	1	5	ND	ND				
Dibromomethane	1	5	ND	ND				
Trans-1,3-Dichloropropene	1	5	ND	ND				
cis-1,3-Dichloropropene	1	5	ND	ND				
1,1,2-Trichloroethane	1	5	ND	ND				
1,3-Dichloropropane	0.5	5	ND	ND				
Dibromochloromethane	1	5	ND	ND				
2-Chloroethylvinyl ether	1	10	ND	ND				
Bromoform	1	5	ND	ND				
Isopropylbenzene	1	5	ND	ND				
Bromobenzene	1	5	ND	ND				

Client: Partner Engineering & Science | Lab Job No.: PA104033 | Date Reported: 04-15-2021
Project: SM20-284007 | Matrix: Water | Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	MW-1				
Toluene	0.5	1	ND	11.8				
Tetrachloroethene	1	2	ND	ND				
1,2-Dibromoethane(EDB)	1	5	ND	ND				
Chlorobenzene	1	5	ND	ND				
1,1,1,2-Tetrachloroethane	1	5	ND	ND				
Ethylbenzene	0.5	1	ND	ND				
Total Xylenes	1	2	ND	ND				
Styrene	1	5	ND	ND				
1,1,2,2-Tetrachloroethane	1	5	ND	ND				
1,2,3-Trichloropropane	1	5	ND	ND				
n-Propylbenzene	1	5	ND	ND				
2-Chlorotoluene	1	5	ND	ND				
4-Chlorotoluene	1	5	ND	ND				
1,3,5-Trimethylbenzene	1	5	ND	ND				
tert-Butylbenzene	1	5	ND	ND				
1,2,4-Trimethylbenzene	1	5	ND	ND				
Sec-Butylbenzene	1	5	ND	ND				
1,3-Dichlorobenzene	1	5	ND	ND				
p-Isopropyltoluene	1	5	ND	ND				
1,4-Dichlorobenzene	1	5	ND	ND				
1,2-Dichlorobenzene	1	5	ND	ND				
n-Butylbenzene	1	5	ND	ND				
1,2,4-Trichlorobenzene	1	5	ND	ND				
1,2-Dibromo-3-Chloropropane	1	5	ND	ND				
Hexachlorobutadiene	1	5	ND	ND				
Naphthalene	1	5	ND	ND				
1,2,3-Trichlorobenzene	1	5	ND	ND				
Acetone	25	50	ND	ND				
2-Butanone (MEK)	25	50	ND	ND				
4-Methyl-2-pentanone	25	50	ND	ND				
2-Hexanone	25	50	ND	ND				
Ethanol	250	500	ND	ND				
MTBE	1	2	ND	ND				
ETBE	1	2	ND	ND				
DIPE	1	2	ND	ND				
TAME	1	2	ND	ND				
t-Butyl Alcohol	10	20	ND	ND				
SURROGATE	**Accept Limit%**		**%RC**	**%RC**				
Dibromofluoro-methane	79-126		99	87				
Toluene-d8	79-121		94	92				
Bromofluoro-benzene	71-131		85	88				

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value (between DF × MDL & DF ×PQL).
m=Matrix interference

04-15-2021

EPA 8260B
Batch QA/QC Report

Client: Partner Engineering & Science
Project: SM20-284007
Matrix: Water
Batch No: 0414-VOAW1

Lab Job No.: PA104033
Lab Sample I.D.: AE104032-1
Date Analyzed: 04-15-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	20.3	24.0	101.5	120.0	16.7	30	70-130
Benzene	ND	20	20.8	21.5	104.0	107.5	3.3	30	70-130
Trichloro-ethene	ND	20	21.0	22.8	105.0	114.0	8.2	30	70-130
Toluene	ND	20	21.1	21.6	105.5	108.0	2.3	30	70-130
Chlorobenzene	ND	20	22.7	24.2	113.5	121.0	6.4	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	17.7	20.0	88.5	80-120
Benzene	18.4	20.0	92.0	80-120
Trichloro-ethene	18.1	20.0	90.5	80-120
Toluene	18.9	20.0	94.5	80-120
Chlorobenzene	19.4	20.0	97.0	80-120

ND: Not Detected (at the specified limit).

asc90703@gmail.com
16760 Gridley Road
Cerritos, CA 90703
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA104033

Client: PartnerESI

Address: 2154 Torrance Blvd, Torrance, CA 90501

Report Attention: R. Nadres | Phone: 310 617 8448 | Fax: | Sampled by: J. Pruet

Project Name/No.: SM0284007 | Project Site: Former LA-2-Bay, Redlands

T.A.T. Requested: 8hrs ☐ | 24 hrs ☒ | 48hrs ☐ | 3 days ☐ | Normal ☒

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample Seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserv	No.,type* & size of container	TPH-Gasoline	TPH-Diesel & Oil	EPA 8260B(VOCs)	EPA 8270C (SVOCs)	EPA 6010B/7471A(CAM-17 Metals	EPA 8082 (PCBs)	Remark
B6-GW		04/13/21	1005	GW	HCl	3xVOAs							HOLD
MW-1	PA104033-1	04/13/21	1630	1	1	1			X				*24hr TAT

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	PESI	04/14/21	1500	[signature]	ASC	4-14-21	4:11
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: PARTNER ESI Project: SM20284007 Lab Job# PA10403 3

Date Received: 4-14-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice ✓ Ice Packs____ Packing Material____

Cooler Temperature (°C) : #1: 4°C #2:____ #3:____ #4:____ #5____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?		✓	
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:____

Section 4

Was the Project Manager notified of anomalies? Yes____ No____ N/A ✓

Via Phone: By:____ Date/Time ____

By Email: Sent to:____

Project Manager's response:____

Completed by: [signature] Date: 4-14-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

04-21-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/Redlands, CA
Sample Date: 04-13-2021
Lab Job No.: PA104034

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 04-14-2021 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxygenates by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA104034
Matrix: Soil

Date Reported: 04-21-2021
Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			04-15	04-15-21	04-15-21	04-15-21	04-15-21	
DILUTION FACTOR			1	1	1	1	1	
LAB SAMPLE I.D.			MB	PA104034-1	PA104034-2	PA104034-3	PA104034-4	
CLIENT SAMPLE I.D.				MW-1-80	MW-1-90	MW-1-100	MW-1-110	
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	
Chloromethane	2	5	ND	ND	ND	ND	ND	
Vinyl Chloride	2	5	ND	ND	ND	ND	ND	
Bromomethane	2	5	ND	ND	ND	ND	ND	
Chloroethane	2	5	ND	ND	ND	ND	ND	
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	
Iodomethane	2	5	ND	ND	ND	ND	ND	
Methylene Chloride	5	10	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	
Bromochloromethane	2	5	ND	ND	ND	ND	ND	
Chloroform	2	5	ND	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	
Carbon tetrachloride	2	5	ND	ND	ND	ND	ND	
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	
Benzene	1	2	ND	ND	ND	ND	ND	
Trichloroethene	2	5	ND	3.7J	ND	ND	ND	
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	
Dibromomethane	2	5	ND	ND	ND	ND	ND	
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	
1,3-Dichloropropane	2	5	ND	ND	ND	ND	ND	
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	
Bromoform	2	5	ND	ND	ND	ND	ND	
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	
Bromobenzene	2	5	ND	ND	ND	ND	ND	
Toluene	1	2	ND	ND	ND	ND	ND	

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA104034
Matrix: Soil

Date Reported: 04-21-2021
Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	MW-1-80	MW-1-90	MW-1-100	MW-1-110	
Tetrachloroethene	2	5	ND	ND	ND	ND	ND	
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	
Chlorobenzene	2	5	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	
Ethylbenzene	1	2	ND	ND	ND	ND	ND	
Total Xylenes	2	4	ND	ND	ND	ND	ND	
Styrene	2	5	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	
Naphthalene	2	5	ND	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	
Acetone	75	100	ND	ND	ND	ND	ND	
2-Butanone (MEK)	50	100	ND	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	50	100	ND	ND	ND	ND	ND	
2-Hexanone	50	100	ND	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	ND	
Ethanol	500	1000	ND	ND	ND	ND	ND	
MTBE	2	5	ND	ND	ND	ND	ND	
ETBE	2	5	ND	ND	ND	ND	ND	
DIPE	2	5	ND	ND	ND	ND	ND	
TAME	2	5	ND	ND	ND	ND	ND	
TBA	20	50	ND	ND	ND	ND	ND	
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	
Dibromofluoro-methane	79-126		97	91	97	95	90	
Toluene-d8	79-121		91	95	91	92	91	
Bromofluoro-benzene	71-131		87	87	89	83	87	

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA104034
Matrix: Soil

Date Reported: 04-21-2021
Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			04-15	04-16-21	04-16-21			
DILUTION FACTOR			1	1	1			
LAB SAMPLE I.D.			MB	PA104034-5	PA104034-6			
CLIENT SAMPLE I.D.				MW-1-120	MW-1-130			
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	2	5	ND	ND	ND			
Chloromethane	2	5	ND	ND	ND			
Vinyl Chloride	2	5	ND	ND	ND			
Bromomethane	2	5	ND	ND	ND			
Chloroethane	2	5	ND	ND	ND			
Trichlorofluoromethane	2	5	ND	ND	ND			
1,1-Dichloroethene	2	5	ND	ND	ND			
Iodomethane	2	5	ND	ND	ND			
Methylene Chloride	5	10	ND	ND	ND			
trans-1,2-Dichloroethene	2	5	ND	ND	ND			
1,1-Dichloroethane	2	5	ND	ND	ND			
2,2-Dichloropropane	2	5	ND	ND	ND			
cis-1,2-Dichloroethene	2	5	ND	ND	ND			
Bromochloromethane	2	5	ND	ND	ND			
Chloroform	2	5	ND	ND	ND			
1,2-Dichloroethane (EDC)	2	5	ND	ND	ND			
1,1,1-Trichloroethane	2	5	ND	ND	ND			
Carbon tetrachloride	2	5	ND	ND	ND			
1,1-Dichloropropene	2	5	ND	ND	ND			
Benzene	1	2	ND	ND	ND			
Trichloroethene	2	5	ND	ND	ND			
1,2-Dichloropropane	2	5	ND	ND	ND			
Bromodichloromethane	2	5	ND	ND	ND			
Dibromomethane	2	5	ND	ND	ND			
Trans-1,3-Dichloropropene	2	5	ND	ND	ND			
cis-1,3-Dichloropropene	2	5	ND	ND	ND			
1,1,2-Trichloroethane	2	5	ND	ND	ND			
1,3-Dichloropropane	2	5	ND	ND	ND			
Dibromochloromethane	2	5	ND	ND	ND			
2-Chloroethylvinyl ether	2	10	ND	ND	ND			
Bromoform	2	5	ND	ND	ND			
Isopropylbenzene	2	5	ND	ND	ND			
Bromobenzene	2	5	ND	ND	ND			
Toluene	1	2	ND	ND	ND			

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA104034
Matrix: Soil

Date Reported: 04-21-2021
Date Sampled: 04-13-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	MW-1-120	MW-1-130			
Tetrachloroethene	2	5	ND	ND	ND			
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND			
Chlorobenzene	2	5	ND	ND	ND			
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND			
Ethylbenzene	1	2	ND	ND	ND			
Total Xylenes	2	4	ND	ND	ND			
Styrene	2	5	ND	ND	ND			
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND			
1,2,3-Trichloropropane	2	5	ND	ND	ND			
n-Propylbenzene	2	5	ND	ND	ND			
2-Chlorotoluene	2	5	ND	ND	ND			
4-Chlorotoluene	2	5	ND	ND	ND			
1,3,5-Trimethylbenzene	2	5	ND	ND	ND			
tert-Butylbenzene	2	5	ND	ND	ND			
1,2,4-Trimethylbenzene	2	5	ND	ND	ND			
Sec-Butylbenzene	2	5	ND	ND	ND			
1,3-Dichlorobenzene	2	5	ND	ND	ND			
p-Isopropyltoluene	2	5	ND	ND	ND			
1,4-Dichlorobenzene	2	5	ND	ND	ND			
1,2-Dichlorobenzene	2	5	ND	ND	ND			
n-Butylbenzene	2	5	ND	ND	ND			
1,2,4-Trichlorobenzene	2	5	ND	ND	ND			
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND			
Hexachlorobutadiene	2	5	ND	ND	ND			
Naphthalene	2	5	ND	ND	ND			
1,2,3-Trichlorobenzene	2	5	ND	ND	ND			
Acetone	75	100	ND	ND	ND			
2-Butanone (MEK)	50	100	ND	ND	ND			
Carbon Disulfide	25	50	ND	ND	ND			
4-Methyl-2-pentanone	50	100	ND	ND	ND			
2-Hexanone	50	100	ND	ND	ND			
Vinyl Acetate	25	50	ND	ND	ND			
Ethanol	500	1000	ND	ND	ND			
MTBE	2	5	ND	ND	ND			
ETBE	2	5	ND	ND	ND			
DIPE	2	5	ND	ND	ND			
TAME	2	5	ND	ND	ND			
TBA	20	50	ND	ND	ND			
SURROGATE	**Accept Limit%**		**%RC**	**%RC**	**%RC**			
Dibromofluoro-methane	79-126		97	100	92			
Toluene-d8	79-121		91	95	92			
Bromofluoro-benzene	71-131		87	87	87			

MB=Method Blank; MDL=Method Detection Limit; PQL=Practical Quantitation Limit; ND=Not Detected (below DF × MDL); J=Result is between DF × MDL and DF × PQL. m=Matrix interference.

04-21-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA104034
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	AE104028-21
Batch No:	0415-VOAS1	Date Analyzed:	04-16-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	18.6	18.6	93.0	93.0	0.0	30	70-130
Benzene	ND	20	17.9	17.3	89.5	86.5	3.4	30	70-130
Trichloro-ethene	ND	20	19.0	17.6	95.0	88.0	7.7	30	70-130
Toluene	ND	20	17.8	17.3	89.0	86.5	2.8	30	70-130
Chlorobenzene	ND	20	19.1	19.0	95.5	95.0	0.5	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	18.0	20.0	90.0	80-120
Benzene	18.4	20.0	92.0	80-120
Trichloro-ethene	18.7	20.0	93.5	80-120
Toluene	18.0	20.0	90.0	80-120
Chlorobenzene	18.9	20.0	94.5	80-120

ND: Not Detected (at the specified limit).

asc90703@gmail.com
16760 Gridley Road
Cerritos, CA 90703
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA104034

Client: Partner ESI

Address: 2154 Torrance Blvd, Torrance CA 90501

Report Attention: R. Nadres | Phone: 3106178946 | Fax: | Sampled by: SD

Project Name/No.: SM20-2274007 | Project Site: Former La-Z-Boy Redlands

T.A.T. Requested: 8hrs ☐ 24 hrs ☐ 48hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample Seals

Analyses Requested

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserv	No.,type* & size of container	TPH-Gasoline	TPH-Diesel & Oil	EPA 8260B(VOCs)	EPA 8270C (SVOCs)	EPA 6010B/7471A(CAM-17 Metals	EPA 8082 (PCBs)	Remark: Analyzing 6 Samples
MW-1-80	PA104034-1	04/13/21	1357	Soil	Sodium Bouphate	2x VOAs			X				
MW-1-85			1400										HOLD
MW-1-90	-2		1404						X				
MW-1-95			1408										HOLD
MW-1-100	-3		1412						X				
MW-1-105			1417										HOLD
MW-1-110	-4		1421						X				
MW-1-115			1426										HOLD
MW-1-120	-5		1432						X				
MW-1-125			1438										HOLD
MW-1-130	-6		1447						X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	PESI	04/14/21	1500	[signature]	ASC	4-14-21	4:11
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: A=Air Bag, G=Glass bottle, M=metal Tube, P=Plastic bottle, V=VOA vial

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: PARTNER ES I Project: SM20284007 Lab Job# PA104034

Date Received: 4-14-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice ✓ Ice Packs____ Packing Material____

Cooler Temperature (°C) : #1: 4°C #2:____ #3:____ #4:____ #5____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?			✓
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:____

Section 4

Was the Project Manager notified of anomalies? Yes____ No____ N/A ✓

Via Phone: By:____ Date/Time ____

By Email: Sent to:____

Project Manager's response:____

Completed by: [signature] Date: 4-14-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

05-07-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/300 Tennessee St., Redlands, CA
Sample Date: 05-03-2021
Lab Job No.: PA105003

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 05-03-2021 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxygenates by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client: Partner Engineering & Science
Project: SM20-284007

Lab Job No.: PA105003
Matrix: Water

Date Reported: 05-07-2021
Date Sampled: 05-03-2021

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/L (ppb)

DATE ANALYZED			05-03	05-03-21				
DILUTION FACTOR			1	1				
LAB SAMPLE I.D.			MB	PA105003-1				
CLIENT SAMPLE I.D.				MW-1				
COMPOUND	**MDL**	**PQL**						
Dichlorodifluoromethane	1	5	ND	ND				
Chloromethane	1	5	ND	ND				
Vinyl Chloride	0.5	1	ND	ND				
Bromomethane	1	5	ND	ND				
Chloroethane	1	5	ND	ND				
Trichlorofluoromethane	1	5	ND	ND				
1,1-Dichloroethene	1	5	ND	10.3				
Iodomethane	1	5	ND	ND				
Methylene Chloride	2	10	ND	ND				
trans-1,2-Dichloroethene	1	5	ND	ND				
1,1-Dichloroethane	1	5	ND	3.9J				
2,2-Dichloropropane	1	5	ND	ND				
cis-1,2-Dichloroethene	1	5	ND	1.6J				
Bromochloromethane	1	5	ND	ND				
Chloroform	1	5	ND	ND				
1,2-Dichloroethane	0.5	5	ND	ND				
1,1,1-Trichloroethane	1	5	ND	1.2J				
Carbon tetrachloride	0.5	5	ND	ND				
1,1-Dichloropropene	1	5	ND	ND				
Benzene	0.5	1	ND	ND				
Trichloroethene	1	2	ND	18.1				
1,2-Dichloropropane	1	5	ND	ND				
Bromodichloromethane	1	5	ND	ND				
Dibromomethane	1	5	ND	ND				
Trans-1,3-Dichloropropene	1	5	ND	ND				
cis-1,3-Dichloropropene	1	5	ND	ND				
1,1,2-Trichloroethane	1	5	ND	ND				
1,3-Dichloropropane	0.5	5	ND	ND				
Dibromochloromethane	1	5	ND	ND				
2-Chloroethylvinyl ether	1	10	ND	ND				
Bromoform	1	5	ND	ND				
Isopropylbenzene	1	5	ND	ND				
Bromobenzene	1	5	ND	ND				

Client: Partner Engineering & Science | Lab Job No.: PA105003 | Date Reported: 05-07-2021
Project: SM20-284007 | Matrix: Water | Date Sampled: 05-03-2021

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	MW-1				
Toluene	0.5	1	ND	ND				
Tetrachloroethene	1	2	ND	ND				
1,2-Dibromoethane(EDB)	1	5	ND	ND				
Chlorobenzene	1	5	ND	ND				
1,1,1,2-Tetrachloroethane	1	5	ND	ND				
Ethylbenzene	0.5	1	ND	ND				
Total Xylenes	1	2	ND	ND				
Styrene	1	5	ND	ND				
1,1,2,2-Tetrachloroethane	1	5	ND	ND				
1,2,3-Trichloropropane	1	5	ND	ND				
n-Propylbenzene	1	5	ND	ND				
2-Chlorotoluene	1	5	ND	ND				
4-Chlorotoluene	1	5	ND	ND				
1,3,5-Trimethylbenzene	1	5	ND	ND				
tert-Butylbenzene	1	5	ND	ND				
1,2,4-Trimethylbenzene	1	5	ND	ND				
Sec-Butylbenzene	1	5	ND	ND				
1,3-Dichlorobenzene	1	5	ND	ND				
p-Isopropyltoluene	1	5	ND	ND				
1,4-Dichlorobenzene	1	5	ND	ND				
1,2-Dichlorobenzene	1	5	ND	ND				
n-Butylbenzene	1	5	ND	ND				
1,2,4-Trichlorobenzene	1	5	ND	ND				
1,2-Dibromo-3-Chloropropane	1	5	ND	ND				
Hexachlorobutadiene	1	5	ND	ND				
Naphthalene	1	5	ND	ND				
1,2,3-Trichlorobenzene	1	5	ND	ND				
Acetone	25	50	ND	ND				
2-Butanone (MEK)	25	50	ND	ND				
4-Methyl-2-pentanone	25	50	ND	ND				
2-Hexanone	25	50	ND	ND				
Ethanol	250	500	ND	ND				
MTBE	1	2	ND	ND				
ETBE	1	2	ND	ND				
DIPE	1	2	ND	ND				
TAME	1	2	ND	ND				
t-Butyl Alcohol	10	20	ND	ND				
SURROGATE	**Accept Limit%**		**%RC**	**%RC**				
Dibromofluoro-methane	79-126		100	95				
Toluene-d8	79-121		95	90				
Bromofluoro-benzene	71-131		87	86				

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank; ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value (between DF × MDL & DF ×PQL).
m=Matrix interference

05-07-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA105003
Project:	SM20-284007		
Matrix:	Water	Lab Sample I.D.:	SW105003-1
Batch No:	0503-VOAW1	Date Analyzed:	05-03-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	23.5	19.6	117.5	98.0	18.1	30	70-130
Benzene	ND	20	21.2	18.8	106.0	94.0	12.0	30	70-130
Trichloro-ethene	ND	20	22.2	19.3	111.0	96.5	14.0	30	70-130
Toluene	ND	20	22.3	19.1	111.5	95.5	15.5	30	70-130
Chlorobenzene	ND	20	22.8	20.2	114.0	101.0	12.1	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	23.2	20.0	116.0	80-120
Benzene	21.7	20.0	108.5	80-120
Trichloro-ethene	22.4	20.0	112.0	80-120
Toluene	21.8	20.0	109.0	80-120
Chlorobenzene	22.5	20.0	112.5	80-120

ND: Not Detected (at the specified limit).

asc90703@gmail.com
16760 Gridley Road
Cerritos, CA 90703
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA105003

Client: **Partner Engineering and Science, Inc**

Address: **2154 Torrance Blvd, suite 200, Torrance, CA**

Report Attention	Phone	Fax	Sampled by
Rodolfo Nadres	**310--515-4500**		Andrew Phan

Project Name/No.	Project Site
SM20-284007	Former La-Z-Boy/ 300 tennessee St. Redlands, CA

T.A.T. Requested: ☐ 8hrs ☐ 24 hrs ☐ 48hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample Seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserv	No.,type* & size of container	TPH-Gasoline	TPH-Diesel & Oil	EPA 8260B(VOCs)	EPA 8270C (SVOCs)	EPA 6010B/7471A(CAM-17 Metals	EPA 8082 (PCBs)	Remark
MW1	PA105003-1	5/3/21	0809	GW	HCL	3 VOAs			X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	BTS	05/04	1345		ASC	5/3/21	13:45
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: A=Air Bag, G=Glass bottle, M=metal Tube, P=Plastic bottle, V=VOA vial

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: Partner ESI Project: SM-284007 Lab Job# PA105003

Date Received: 5-3-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice____ Ice Packs____ Packing Material_____

Cooler Temperature (°C) : #1:_____ #2:_____ #3:_____ #4:_____ #5_____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):_____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?		✓	
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:_____

Section 4

Was the Project Manager notified of anomalies? Yes_____ No_____ N/A ✓

Via Phone: By: _____ Date/Time _____

By Email: Sent to:_____

Project Manager's response:_____

Completed by: RW Date: 5-3-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
and
Mobile Laboratory VIN# 1FDKE37G3RHA65885 (SB1)
Mobile Laboratory VIN# 1FDKE37G8NHB50666 (SB2)
Mobile Laboratory VIN 2GCHG31K1N4152184 (Lab 3)
Mobile Laboratory VIN# 1GBKH32K6P3316436 (Lab 4)
Mobile Laboratory VIN# 1GBKH32K8R3323391 (Lab 6)
Mobile Laboratory VIN# 1FDKE37G0JHC23992 (A1)
Mobile Laboratory VIN# 1FDKE30GXSHB60220 (A2)

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017 "General Requirements for the competence of Testing and Calibration Laboratories" and the DoD Quality Systems Manual for Environmental Laboratories Version 5.3 February 2018 and is accredited is accordance with the:

United States Department of Defense
Environmental Laboratory Accreditation Program
(DoD-ELAP)

This accreditation demonstrates technical competence for the defined scope:

Environmental Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President/Operations Manager

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
October 31, 2011	November 27, 2019	November 30, 2021
Revision Date.:	*Accreditation No.:*	*Certificate No.:*
January 6, 2020	69070	L19-589-R1

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010

Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride
Air	H&P TO14	GC ECD/PID	Perchloroethylene (PCE)
Air	H&P TO14	GC ECD/PID	Trichloroethylene (TCE)
Air	EPA TO15	VOC	1,1,1,2- Tetrachloroethane
Air	EPA TO15	VOC	1,1,2,2-Tetrachloroethane
Air	EPA TO15	VOC	1,1,1-Trichloroethane
Air	EPA TO15	VOC	1,1,2-Trichloroethane

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	EPA TO15	VOC	1,1-Dichloroethane
Air	EPA TO15	VOC	1,1-Dichloroethene
Air	EPA TO15	VOC	1,2,4-Trichlorobenzene
Air	EPA TO15	VOC	1,2,4-Trimethylbenzene
Air	EPA TO15	VOC	1,2-Dibromoethane
Air	EPA TO15	VOC	1,2-Dichlorobenzene
Air	EPA TO15	VOC	1,2-Dichloroethane
Air	EPA TO15	VOC	1,2-Dichloropropane
Air	EPA TO15	VOC	1,3,5-Trimethylbenzene
Air	EPA TO15	VOC	1,3-Butadiene
Air	EPA TO15	VOC	1,3-Dichlorobenzene
Air	EPA TO15	VOC	1,4-Dichlorobenzene
Air	EPA TO15	VOC	2-Butanone
Air	EPA TO15	VOC	2-hexanone
Air	EPA TO15	VOC	4-ethytoluene
Air	EPA TO15	VOC	4-Methyl-2-Pentanone
Air	EPA TO15	VOC	Acetone
Air	EPA TO15	VOC	Benzene
Air	EPA TO15	VOC	Bromodichloromethane
Air	EPA TO15	VOC	Bromoform
Air	EPA TO15	VOC	Bromomethane
Air	EPA TO15	VOC	Carbon Disulfide
Air	EPA TO15	VOC	Carbon Tetrachloride
Air	EPA TO15	VOC	Chlorobenzene
Air	EPA TO15	VOC	Chloroethane
Air	EPA TO15	VOC	Chloroform
Air	EPA TO15	VOC	Chloromethane
Air	EPA TO15	VOC	cis-1,2-dichloroethene
Air	EPA TO15	VOC	cis-1,3-Dichloropropene
Air	EPA TO15	VOC	Cyclohexane
Air	EPA TO15	VOC	Dibromochloromethane
Air	EPA TO15	VOC	Dichlorodifluoromethane
Air	EPA TO15	VOC	Dichlorotetrafluoroethane
Air	EPA TO15	VOC	Ethyl Acetate
Air	EPA TO15	VOC	Ethyl tert-Butyl Ether

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15	VOC	Ethylbenzene
Air	EPA TO15	VOC	Hexachlorobutadiene
Air	EPA TO15	VOC	m,p-xylene
Air	EPA TO15	VOC	Methyl tert-Butyl Ether
Air	EPA TO15	VOC	Methylene Chloride
Air	EPA TO15	VOC	Naphthalene
Air	EPA TO15	VOC	n-Heptane
Air	EPA TO15	VOC	n-Hexane
Air	EPA TO15	VOC	n-Propylbenzene
Air	EPA TO15	VOC	o-xylene
Air	EPA TO15	VOC	Propene
Air	EPA TO15	VOC	Styrene
Air	EPA TO15	VOC	tert-Amyl Methyl Ether
Air	EPA TO15	VOC	Tetrachloroethene
Air	EPA TO15	VOC	Toluene
Air	EPA TO15	VOC	trans-1,2-Dichloroethene
Air	EPA TO15	VOC	trans-1,3-Dichloropene
Air	EPA TO15	VOC	Trichloroethene
Air	EPA TO15	VOC	Trichlorofluoromethane
Air	EPA TO15	VOC	Vinyl Chloride

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G3RHA65885 (SB1)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G3RHA65885 (SB1)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G3RHA65885 (SB1)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride

VIN # 1FDKE37G8NHB50666 (SB2)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010

Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G8NHB50666 (SB2)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G8NHB50666 (SB2)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride
Aqueous	EPA 8260B	VOC	p-Isopropyltoluene
Aqueous/Solid	EPA 8260B	VOC	1,1,1,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,1- Trichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,2,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,2-Trichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	1,2,3-Trichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,2,4 -Trichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,2,4-Trimethylbenzene
Aqueous/Solid	EPA 8260B	VOC	1,2-Dibromo-3-chloropropane
Aqueous/Solid	EPA 8260B	VOC	1,2-Dibromoethane (EDB)
Aqueous/Solid	EPA 8260B	VOC	1,2-Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,2- Dichloroethane (EDC)
Aqueous/Solid	EPA 8260B	VOC	1,2- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,3,5-Trimethylbenzene
Aqueous/Solid	EPA 8260B	VOC	1,3- Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,3- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,4- Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	2,2- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	2-Chlorotoluene
Aqueous/Solid	EPA 8260B	VOC	2-Hexanone
Aqueous/Solid	EPA 8260B	VOC	4-Chlorotoluene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G8NHB50666 (SB2)

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260B	VOC	Benzene
Aqueous/Solid	EPA 8260B	VOC	Bromobenzene
Aqueous/Solid	EPA 8260B	VOC	Bromochloromethane
Aqueous/Solid	EPA 8260B	VOC	Bromodichloromethane
Aqueous/Solid	EPA 8260B	VOC	Bromoform
Aqueous/Solid	EPA 8260B	VOC	Bromomethane
Aqueous/Solid	EPA 8260B	VOC	Carbon Tetrachloride
Aqueous/Solid	EPA 8260B	VOC	Chlorobenzene
Aqueous/Solid	EPA 8260B	VOC	Chloroethane
Aqueous/Solid	EPA 8260B	VOC	Chloroform
Aqueous/Solid	EPA 8260B	VOC	Chloromethane
Aqueous/Solid	EPA 8260B	VOC	cis-1,2-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	cis-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	Dibromochloromethane
Aqueous/Solid	EPA 8260B	VOC	Dibromomethane
Aqueous/Solid	EPA 8260B	VOC	Dichlorodifluoromethane (F12)
Aqueous/Solid	EPA 8260B	VOC	Ethylbenzene
Aqueous/Solid	EPA 8260B	VOC	Hexachlorobutadiene
Aqueous/Solid	EPA 8260B	VOC	Isopropylbenzene (Cumene)
Aqueous/Solid	EPA 8260B	VOC	m,p-Xylene
Aqueous/Solid	EPA 8260B	VOC	Methyl tertiary-butyl ether (MTBE)
Aqueous/Solid	EPA 8260B	VOC	Methylene chloride (Dichloromethane)
Aqueous/Solid	EPA 8260B	VOC	Naphthalene
Aqueous/Solid	EPA 8260B	VOC	n-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	n-Propylbenzene
Aqueous/Solid	EPA 8260B	VOC	o-Xylene
Aqueous/Solid	EPA 8260B	VOC	sec-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	Styrene
Aqueous/Solid	EPA 8260B	VOC	tert-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	Tetrachloroethene
Aqueous/Solid	EPA 8260B	VOC	Toluene
Aqueous/Solid	EPA 8260B	VOC	trans-1,2-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	trans-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	Trichloroethene
Aqueous/Solid	EPA 8260B	VOC	Trichlorofluoromethane (F11)

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G8NHB50666 (SB2)

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260B	VOC	Vinyl chloride
Solid	EPA 8260B	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Solid	EPA 8260B	VOC	1,2,3-Trichlorobenzene
Solid	EPA 8260B	VOC	Diisopropyl ether (DIPE)
Solid	EPA 8260B	VOC	Tertiary-amyl methyl ether (TAME)

VIN 2GCHG31K1N4152184 (Lab 3)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

IN 2GCHG31K1N4152184 (Lab 3)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN 2GCHG31K1N4152184 (Lab 3)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride

VIN # 1GBKH32K6P3316436 (Lab 4)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1GBKH32K6P3316436 (Lab 4)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1GBKH32K6P3316436 (Lab 4)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride
Aqueous	EPA 8260B	VOC	p-Isopropyltoluene
Aqueous/Solid	EPA 8260B	VOC	1,1,1,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,1- Trichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,2,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1,2-Trichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloroethane
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	1,1-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	1,2,3-Trichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,2,4 -Trichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,2,4-Trimethylbenzene
Aqueous/Solid	EPA 8260B	VOC	1,2-Dibromo-3-chloropropane
Aqueous/Solid	EPA 8260B	VOC	1,2-Dibromoethane (EDB)
Aqueous/Solid	EPA 8260B	VOC	1,2-Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,2- Dichloroethane (EDC)
Aqueous/Solid	EPA 8260B	VOC	1,2- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,3,5-Trimethylbenzene
Aqueous/Solid	EPA 8260B	VOC	1,3- Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	1,3- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	1,4- Dichlorobenzene
Aqueous/Solid	EPA 8260B	VOC	2,2- Dichloropropane
Aqueous/Solid	EPA 8260B	VOC	2-Chlorotoluene
Aqueous/Solid	EPA 8260B	VOC	2-Hexanone
Aqueous/Solid	EPA 8260B	VOC	4-Chlorotoluene
Aqueous/Solid	EPA 8260B	VOC	Benzene
Aqueous/Solid	EPA 8260B	VOC	Bromobenzene
Aqueous/Solid	EPA 8260B	VOC	Bromochloromethane
Aqueous/Solid	EPA 8260B	VOC	Bromodichloromethane
Aqueous/Solid	EPA 8260B	VOC	Bromoform
Aqueous/Solid	EPA 8260B	VOC	Bromomethane
Aqueous/Solid	EPA 8260B	VOC	Carbon Tetrachloride

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1GBKH32K6P3316436 (Lab 4)

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260B	VOC	Chlorobenzene
Aqueous/Solid	EPA 8260B	VOC	Chloroethane
Aqueous/Solid	EPA 8260B	VOC	Chloroform
Aqueous/Solid	EPA 8260B	VOC	Chloromethane
Aqueous/Solid	EPA 8260B	VOC	cis-1,2-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	cis-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	Dibromochloromethane
Aqueous/Solid	EPA 8260B	VOC	Dibromomethane
Aqueous/Solid	EPA 8260B	VOC	Dichlorodifluoromethane (F12)
Aqueous/Solid	EPA 8260B	VOC	Ethylbenzene
Aqueous/Solid	EPA 8260B	VOC	Hexachlorobutadiene
Aqueous/Solid	EPA 8260B	VOC	Isopropylbenzene (Cumene)
Aqueous/Solid	EPA 8260B	VOC	m,p-Xylene
Aqueous/Solid	EPA 8260B	VOC	Methyl tertiary-butyl ether (MTBE)
Aqueous/Solid	EPA 8260B	VOC	Methylene chloride (Dichloromethane)
Aqueous/Solid	EPA 8260B	VOC	Naphthalene
Aqueous/Solid	EPA 8260B	VOC	n-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	n-Propylbenzene
Aqueous/Solid	EPA 8260B	VOC	o-Xylene
Aqueous/Solid	EPA 8260B	VOC	sec-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	Styrene
Aqueous/Solid	EPA 8260B	VOC	tert-Butylbenzene
Aqueous/Solid	EPA 8260B	VOC	Tetrachloroethene
Aqueous/Solid	EPA 8260B	VOC	Toluene
Aqueous/Solid	EPA 8260B	VOC	trans-1,2-Dichloroethene
Aqueous/Solid	EPA 8260B	VOC	trans-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B	VOC	Trichloroethene
Aqueous/Solid	EPA 8260B	VOC	Trichlorofluoromethane (F11)
Aqueous/Solid	EPA 8260B	VOC	Vinyl chloride
Solid	EPA 8260B	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Solid	EPA 8260B	VOC	1,2,3-Trichlorobenzene
Solid	EPA 8260B	VOC	Diisopropyl ether (DIPE)
Solid	EPA 8260B	VOC	Tertiary-amyl methyl ether (TAME)

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1GBKH32K8R3323391 (Lab 6)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	1,1-Difluoroethane (LCC)
Air	H&P 8260SV	VOC	1,1,1,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,1-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2,2-Tetrachloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichloroethane
Air	H&P 8260SV	VOC	1,1,2-Trichlorotrifluoroethane (F113)
Air	H&P 8260SV	VOC	1,1-Dichloroethane
Air	H&P 8260SV	VOC	1,1-Dichloroethene
Air	H&P 8260SV	VOC	1,1-Dichloropropene
Air	H&P 8260SV	VOC	1,2,3-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,3-Trichloropropane
Air	H&P 8260SV	VOC	1,2,4-Trichlorobenzene
Air	H&P 8260SV	VOC	1,2,4-Trimethylbenzene
Air	H&P 8260SV	VOC	1,2-Dibromo-3-chloropropane
Air	H&P 8260SV	VOC	1,2-Dibromoethane (EDB)
Air	H&P 8260SV	VOC	1,2-Dichlorobenzene
Air	H&P 8260SV	VOC	1,2-Dichloroethane (EDC)
Air	H&P 8260SV	VOC	1,2-Dichloropropane
Air	H&P 8260SV	VOC	1,3,5-Trimethylbenzene
Air	H&P 8260SV	VOC	1,3-Dichlorobenzene
Air	H&P 8260SV	VOC	1,3-Dichloropropane
Air	H&P 8260SV	VOC	1,4-Dichlorobenzene
Air	H&P 8260SV	VOC	2,2-Dichloropropane
Air	H&P 8260SV	VOC	2-Chlorotoluene
Air	H&P 8260SV	VOC	4-Chlorotoluene
Air	H&P 8260SV	VOC	Benzene
Air	H&P 8260SV	VOC	Bromobenzene
Air	H&P 8260SV	VOC	Bromodichloromethane
Air	H&P 8260SV	VOC	Bromoform
Air	H&P 8260SV	VOC	Bromomethane

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1GBKH32K8R3323391 (Lab 6)

Matrix	Standard/Method	Technology	Analyte
Air	H&P 8260SV	VOC	Carbon tetrachloride
Air	H&P 8260SV	VOC	Chlorobenzene
Air	H&P 8260SV	VOC	Chloroethane
Air	H&P 8260SV	VOC	Chloroform
Air	H&P 8260SV	VOC	Chloromethane
Air	H&P 8260SV	VOC	cis-1,2-Dichloroethene
Air	H&P 8260SV	VOC	cis-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Dibromochloromethane
Air	H&P 8260SV	VOC	Dibromomethane
Air	H&P 8260SV	VOC	Dichlorodifluoromethane (F12)
Air	H&P 8260SV	VOC	Diisopropyl ether (DIPE)
Air	H&P 8260SV	VOC	Ethyl tertiary-butyl ether (ETBE)
Air	H&P 8260SV	VOC	Ethylbenzene
Air	H&P 8260SV	VOC	Hexachlorobutadiene
Air	H&P 8260SV	VOC	Isopropylbenzene (Cumene)
Air	H&P 8260SV	VOC	m,p-Xylene
Air	H&P 8260SV	VOC	Methyl tertiary-butyl ether (MTBE)
Air	H&P 8260SV	VOC	Methylene chloride (Dichloromethane)
Air	H&P 8260SV	VOC	Naphthalene
Air	H&P 8260SV	VOC	n-Butylbenzene
Air	H&P 8260SV	VOC	n-Propylbenzene
Air	H&P 8260SV	VOC	o-Xylene
Air	H&P 8260SV	VOC	p-Isopropyltoluene
Air	H&P 8260SV	VOC	sec-Butylbenzene
Air	H&P 8260SV	VOC	Styrene
Air	H&P 8260SV	VOC	tert-Butylbenzene
Air	H&P 8260SV	VOC	Tertiary-amyl methyl ether (TAME)
Air	H&P 8260SV	VOC	Tertiary-butyl alcohol (TBA)
Air	H&P 8260SV	VOC	Tetrachloroethene
Air	H&P 8260SV	VOC	Toluene
Air	H&P 8260SV	VOC	trans-1,2-Dichloroethene
Air	H&P 8260SV	VOC	trans-1,3-Dichloropropene
Air	H&P 8260SV	VOC	Trichloroethene
Air	H&P 8260SV	VOC	Trichlorofluoromethane (F11)
Air	H&P 8260SV	VOC	Vinyl chloride

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G0JHC23992 (A1)

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15, H&P TO15	VOC	1,1,1-Trichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,1,2- Tetrachloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2,2-Tetrachloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2-Trichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2-Trichlorotrifluo...
Air	EPA TO15, H&P TO15	VOC	1,1-Dichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1-Dichloroethene
Air	EPA TO15, H&P TO15	VOC	1,2,4-Trichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,2,4-Trimethylbenzene
Air	EPA TO15, H&P TO15	VOC	1,2-Dibromoethane
Air	EPA TO15, H&P TO15	VOC	1,2-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,2-Dichloroethane
Air	EPA TO15, H&P TO15	VOC	1,2-Dichloropropane
Air	EPA TO15, H&P TO15	VOC	1,3,5-Trimethylbenzene
Air	EPA TO15, H&P TO15	VOC	1,3-Butadiene
Air	EPA TO15, H&P TO15	VOC	1,3-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,4-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	2-Butanone
Air	EPA TO15, H&P TO15	VOC	2-Hexanone
Air	EPA TO15, H&P TO15	VOC	4-Ethyltoluene
Air	EPA TO15, H&P TO15	VOC	4-Methyl-2-Pentanone
Air	EPA TO15, H&P TO15	VOC	Acetone
Air	EPA TO15, H&P TO15	VOC	Benzene
Air	EPA TO15, H&P TO15	VOC	Bromodichloromethane
Air	EPA TO15, H&P TO15	VOC	Bromoform
Air	EPA TO15, H&P TO15	VOC	Bromomethane
Air	EPA TO15, H&P TO15	VOC	Carbon Disulfide
Air	EPA TO15, H&P TO15	VOC	Carbon Tetrachloride
Air	EPA TO15, H&P TO15	VOC	Chlorobenzene
Air	EPA TO15, H&P TO15	VOC	Chloroethane
Air	EPA TO15, H&P TO15	VOC	Chloroform

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE37G0JHC23992 (A1)

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15, H&P TO15	VOC	Chloromethane
Air	EPA TO15, H&P TO15	VOC	cis-1,2-dichloroethene
Air	EPA TO15, H&P TO15	VOC	cis-1,3-Dichloropropene
Air	EPA TO15, H&P TO15	VOC	Cyclohexane
Air	EPA TO15, H&P TO15	VOC	Dibromochloromethane
Air	EPA TO15, H&P TO15	VOC	Dichlorodifluoromethane
Air	EPA TO15, H&P TO15	VOC	Dichlorotetrafluoroethane
Air	EPA TO15, H&P TO15	VOC	Ethyl Acetate
Air	EPA TO15, H&P TO15	VOC	Ethyl tert-Butyl Ether
Air	EPA TO15, H&P TO15	VOC	Ethylbenzene
Air	EPA TO15, H&P TO15	VOC	Hexachlorobutadiene
Air	EPA TO15, H&P TO15	VOC	m,p-xylene
Air	EPA TO15, H&P TO15	VOC	Methyl tert-Butyl Ether
Air	EPA TO15, H&P TO15	VOC	Methylene Chloride
Air	EPA TO15, H&P TO15	VOC	Naphthalene
Air	EPA TO15, H&P TO15	VOC	n-Heptane
Air	EPA TO15, H&P TO15	VOC	n-Hexane
Air	EPA TO15, H&P TO15	VOC	n-Propylbenzene
Air	EPA TO15, H&P TO15	VOC	o-xylene
Air	EPA TO15, H&P TO15	VOC	Propene
Air	EPA TO15, H&P TO15	VOC	Styrene
Air	EPA TO15, H&P TO15	VOC	tert-Amyl Methyl Ether
Air	EPA TO15, H&P TO15	VOC	Tetrachloroethene
Air	EPA TO15, H&P TO15	VOC	Toluene
Air	EPA TO15, H&P TO15	VOC	trans-1,2-Dichloroethene
Air	EPA TO15, H&P TO15	VOC	trans-1,3-Dichloropropene
Air	EPA TO15, H&P TO15	VOC	Trichloroethene
Air	EPA TO15, H&P TO15	VOC	Trichlorofluoromethane
Air	EPA TO15, H&P TO15	VOC	Vinyl Chloride

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

VIN # 1FDKE30GXSHB60220 (A2)

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15, H&P TO15	VOC	1,1,1-Trichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,1,2- Tetrachloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2,2-Tetrachloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2-Trichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1,2-Trichlorotrifluo...
Air	EPA TO15, H&P TO15	VOC	1,1-Dichloroethane
Air	EPA TO15, H&P TO15	VOC	1,1-Dichloroethene
Air	EPA TO15, H&P TO15	VOC	1,2,4-Trichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,2,4-Trimethylbenzene
Air	EPA TO15, H&P TO15	VOC	1,2-Dibromoethane
Air	EPA TO15, H&P TO15	VOC	1,2-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,2-Dichloroethane
Air	EPA TO15, H&P TO15	VOC	1,2-Dichloropropane
Air	EPA TO15, H&P TO15	VOC	1,3,5-Trimethylbenzene
Air	EPA TO15, H&P TO15	VOC	1,3-Butadiene
Air	EPA TO15, H&P TO15	VOC	1,3-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	1,4-Dichlorobenzene
Air	EPA TO15, H&P TO15	VOC	2-Butanone
Air	EPA TO15, H&P TO15	VOC	2-Hexanone
Air	EPA TO15, H&P TO15	VOC	4-Ethyltoluene
Air	EPA TO15, H&P TO15	VOC	4-Methyl-2-Pentanone
Air	EPA TO15, H&P TO15	VOC	Acetone
Air	EPA TO15, H&P TO15	VOC	Benzene
Air	EPA TO15, H&P TO15	VOC	Bromodichloromethane
Air	EPA TO15, H&P TO15	VOC	Bromoform
Air	EPA TO15, H&P TO15	VOC	Bromomethane
Air	EPA TO15, H&P TO15	VOC	Carbon Disulfide
Air	EPA TO15, H&P TO15	VOC	Carbon Tetrachloride
Air	EPA TO15, H&P TO15	VOC	Chlorobenzene
Air	EPA TO15, H&P TO15	VOC	Chloroethane
Air	EPA TO15, H&P TO15	VOC	Chloroform
Air	EPA TO15, H&P TO15	VOC	Chloromethane
Air	EPA TO15, H&P TO15	VOC	cis-1,2-dichloroethene
Air	EPA TO15, H&P TO15	VOC	cis-1,3-Dichloropropene
Air	EPA TO15, H&P TO15	VOC	Cyclohexane

Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

H & P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Contact Name: Janis La Roux Phone: 760-804-9678

Accreditation is granted to the facility to perform the following testing:

IN # 1FDKE30GXSHB60220 (A2)

Matrix	Standard/Method	Technology	Analyte
Air	EPA TO15, H&P TO15	VOC	Dibromochloromethane
Air	EPA TO15, H&P TO15	VOC	Dichlorodifluoromethane
Air	EPA TO15, H&P TO15	VOC	Dichlorotetrafluoroethane
Air	EPA TO15, H&P TO15	VOC	Ethyl Acetate
Air	EPA TO15, H&P TO15	VOC	Ethyl tert-Butyl Ether
Air	EPA TO15, H&P TO15	VOC	Ethylbenzene
Air	EPA TO15, H&P TO15	VOC	Hexachlorobutadiene
Air	EPA TO15, H&P TO15	VOC	m,p-xylene
Air	EPA TO15, H&P TO15	VOC	Methyl tert-Butyl Ether
Air	EPA TO15, H&P TO15	VOC	Methylene Chloride
Air	EPA TO15, H&P TO15	VOC	Naphthalene
Air	EPA TO15, H&P TO15	VOC	n-Heptane
Air	EPA TO15, H&P TO15	VOC	n-Hexane
Air	EPA TO15, H&P TO15	VOC	n-Propylbenzene
Air	EPA TO15, H&P TO15	VOC	o-xylene
Air	EPA TO15, H&P TO15	VOC	Propene
Air	EPA TO15, H&P TO15	VOC	Styrene
Air	EPA TO15, H&P TO15	VOC	tert-Amyl Methyl Ether
Air	EPA TO15, H&P TO15	VOC	Tetrachloroethene
Air	EPA TO15, H&P TO15	VOC	Toluene
Air	EPA TO15, H&P TO15	VOC	trans-1,2-Dichloroethene
Air	EPA TO15, H&P TO15	VOC	trans-1,3-Dichloropropene
Air	EPA TO15, H&P TO15	VOC	Trichloroethene
Air	EPA TO15, H&P TO15	VOC	Trichlorofluoromethane
Air	EPA TO15, H&P TO15	VOC	Vinyl Chloride

H&P Mobile Geochemistry Inc.

04 March 2021

Rodolfo Nadres
Partner Engineering and Science
2154 Torrance Boulevard, Suite 200
Torrance, CA 90501

H&P Project: PAR022321-SB1
Client Project: 20-284007 / Tennessee St

Dear Rodolfo Nadres:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 2/23/2021 -2/25/2021 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-5	E102068-01	Vapor	23-Feb-21	23-Feb-21
B1-15	E102068-02	Vapor	23-Feb-21	23-Feb-21
B1-30	E102068-03	Vapor	23-Feb-21	23-Feb-21
B1-30 REP	E102068-04	Vapor	23-Feb-21	23-Feb-21
B1-50	E102068-05	Vapor	23-Feb-21	23-Feb-21
B1-75	E102077-01	Vapor	25-Feb-21	25-Feb-21
B6-5	E102077-02	Vapor	25-Feb-21	25-Feb-21
B7-5	E102077-03	Vapor	25-Feb-21	25-Feb-21
B8-5	E102077-04	Vapor	25-Feb-21	25-Feb-21
B5-5	E102077-05	Vapor	25-Feb-21	25-Feb-21
B7-5 REP	E102077-06	Vapor	25-Feb-21	25-Feb-21
B4-5	E102077-07	Vapor	25-Feb-21	25-Feb-21
B3-5	E102077-08	Vapor	25-Feb-21	25-Feb-21
B10-5	E102077-09	Vapor	25-Feb-21	25-Feb-21
B11-5	E102077-10	Vapor	25-Feb-21	25-Feb-21
B12-5	E102077-11	Vapor	25-Feb-21	25-Feb-21
B18-5	E102077-12	Vapor	25-Feb-21	25-Feb-21
B16-5	E102077-13	Vapor	25-Feb-21	25-Feb-21
B15-4	E102077-14	Vapor	25-Feb-21	25-Feb-21
B15-15	E102077-15	Vapor	25-Feb-21	25-Feb-21
B17-5	E102077-16	Vapor	25-Feb-21	25-Feb-21
B2-5	E102077-17	Vapor	25-Feb-21	25-Feb-21
B2-15	E102077-18	Vapor	25-Feb-21	25-Feb-21
B9-5	E102077-19	Vapor	25-Feb-21	25-Feb-21
B9-15	E102077-20	Vapor	25-Feb-21	25-Feb-21
B6-15	E102078-01	Vapor	25-Feb-21	25-Feb-21
B7-15	E102078-02	Vapor	25-Feb-21	25-Feb-21
B8-15	E102078-03	Vapor	25-Feb-21	25-Feb-21

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Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5-15	E102078-04	Vapor	25-Feb-21	25-Feb-21
B6-15 REP	E102078-05	Vapor	25-Feb-21	25-Feb-21
B4-15	E102078-06	Vapor	25-Feb-21	25-Feb-21
B3-15	E102078-07	Vapor	25-Feb-21	25-Feb-21
B10-15	E102078-08	Vapor	25-Feb-21	25-Feb-21
B11-15	E102078-09	Vapor	25-Feb-21	25-Feb-21
B12-15	E102078-10	Vapor	25-Feb-21	25-Feb-21
B18-15	E102078-11	Vapor	25-Feb-21	25-Feb-21
B16-15	E102078-12	Vapor	25-Feb-21	25-Feb-21

February 23, 2021 - Batch EB12309
The percent recoveries for Isopropylbenzene, Naphthalene and Bromomethane fell below the method criteria in the continuing calibration verification (CCV). Any results for these analytes, for samples included in this batch, may be biased low.

February 25, 2021 - Batch EB12507
The percent recovery for Naphthalene fell below the method criteria in the CCV. Any result for this analyte, for samples included in this batch, may be biased low.

February 25, 2021 - Batch EB12508
The percent recovery for 1,1-Difluoroethane fell below the method criteria in the CCV. Any result for this analyte, for samples included in this batch, may be biased low.

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DETECTIONS SUMMARY

Sample ID: **B1-5** Laboratory ID: **E102068-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1.4**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**2.2**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.026**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**15**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**1.6**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.035**	0.020	ug/l	H&P 8260SV	

Sample ID: **B1-15** Laboratory ID: **E102068-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroethane	**0.17**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**3.9**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**8.4**	0.10	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.32**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.079**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**50**	0.50	ug/l	H&P 8260SV	
Trichloroethene	**6.1**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.12**	0.020	ug/l	H&P 8260SV	

Sample ID: **B1-30** Laboratory ID: **E102068-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**21**	0.50	ug/l	H&P 8260SV	
1,1-Dichloroethane	**20**	0.50	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.95**	0.50	ug/l	H&P 8260SV	
Chloroform	**0.14**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**160**	1.0	ug/l	H&P 8260SV	
Trichloroethene	**23**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**0.53**	0.10	ug/l	H&P 8260SV	

Sample ID: **B1-30 REP** Laboratory ID: **E102068-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**20**	0.50	ug/l	H&P 8260SV	
1,1-Dichloroethane	**19**	0.50	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.87**	0.50	ug/l	H&P 8260SV	
Chloroform	**0.12**	0.10	ug/l	H&P 8260SV	

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Sample ID: **B1-30 REP** Laboratory ID: **E102068-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**130**	1.0	ug/l	H&P 8260SV	
Trichloroethene	**21**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**0.47**	0.10	ug/l	H&P 8260SV	

Sample ID: **B1-50** Laboratory ID: **E102068-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**15**	2.0	ug/l	H&P 8260SV	
1,1-Dichloroethane	**6.2**	2.0	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**44**	2.0	ug/l	H&P 8260SV	
Trichloroethene	**11**	0.40	ug/l	H&P 8260SV	

Sample ID: **B1-75** Laboratory ID: **E102077-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**10**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**3.7**	0.10	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.92**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.15**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**10**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**16**	0.020	ug/l	H&P 8260SV	
1,1,2-Trichloroethane	**0.34**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**0.42**	0.020	ug/l	H&P 8260SV	

Sample ID: **B6-5** Laboratory ID: **E102077-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.32**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.26**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**1.5**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.46**	0.020	ug/l	H&P 8260SV	

Sample ID: **B7-5** Laboratory ID: **E102077-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.12**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.10**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.15**	0.020	ug/l	H&P 8260SV	

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Sample ID: **B8-5** Laboratory ID: **E102077-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.039**	0.020	ug/l	H&P 8260SV	
Trichloroethene	**0.026**	0.020	ug/l	H&P 8260SV	

Sample ID: **B5-5** Laboratory ID: **E102077-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.32**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.16**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.11**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**1.0**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.46**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.020**	0.020	ug/l	H&P 8260SV	

Sample ID: **B7-5 REP** Laboratory ID: **E102077-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.13**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.11**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.17**	0.020	ug/l	H&P 8260SV	

Sample ID: **B4-5** Laboratory ID: **E102077-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.074**	0.020	ug/l	H&P 8260SV	

Sample ID: **B3-5** Laboratory ID: **E102077-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.12**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.12**	0.020	ug/l	H&P 8260SV	
Trichloroethene	**0.20**	0.020	ug/l	H&P 8260SV	

Sample ID: **B10-5** Laboratory ID: **E102077-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.14**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.45**	0.020	ug/l	H&P 8260SV	

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Sample ID: **B11-5** Laboratory ID: **E102077-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**0.12**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.26**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.36**	0.020	ug/l	H&P 8260SV	

Sample ID: **B12-5** Laboratory ID: **E102077-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**0.51**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.039**	0.020	ug/l	H&P 8260SV	

Sample ID: **B18-5** Laboratory ID: **E102077-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1.1**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.16**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.81**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**1.4**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.023**	0.020	ug/l	H&P 8260SV	

Sample ID: **B16-5** Laboratory ID: **E102077-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.046**	0.020	ug/l	H&P 8260SV	

Sample ID: **B15-4** Laboratory ID: **E102077-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**0.16**	0.10	ug/l	H&P 8260SV	

Sample ID: **B15-15** Laboratory ID: **E102077-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.027**	0.020	ug/l	H&P 8260SV	

Sample ID: **B17-5** Laboratory ID: **E102077-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**0.59**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.14**	0.10	ug/l	H&P 8260SV	

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Sample ID: **B17-5** Laboratory ID: **E102077-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.38**	0.020	ug/l	H&P 8260SV	

Sample ID: **B2-5** Laboratory ID: **E102077-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B2-15** Laboratory ID: **E102077-18**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.028**	0.020	ug/l	H&P 8260SV	
Toluene	**1.3**	0.20	ug/l	H&P 8260SV	

Sample ID: **B9-5** Laboratory ID: **E102077-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B9-15** Laboratory ID: **E102077-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B6-15** Laboratory ID: **E102078-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1.5**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**1.2**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.038**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**5.6**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**1.8**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.050**	0.020	ug/l	H&P 8260SV	

Sample ID: **B7-15** Laboratory ID: **E102078-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.28**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.021**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.17**	0.10	ug/l	H&P 8260SV	

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Sample ID: **B7-15** Laboratory ID: **E102078-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.34**	0.020	ug/l	H&P 8260SV	

Sample ID: **B8-15** Laboratory ID: **E102078-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.075**	0.020	ug/l	H&P 8260SV	
Trichloroethene	**0.038**	0.020	ug/l	H&P 8260SV	

Sample ID: **B5-15** Laboratory ID: **E102078-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.69**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.37**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.23**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**1.7**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.90**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.023**	0.020	ug/l	H&P 8260SV	

Sample ID: **B6-15 REP** Laboratory ID: **E102078-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1.6**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**1.3**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.034**	0.020	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**6.2**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**1.6**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.049**	0.020	ug/l	H&P 8260SV	

Sample ID: **B4-15** Laboratory ID: **E102078-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.30**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.13**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.44**	0.020	ug/l	H&P 8260SV	

Sample ID: **B3-15** Laboratory ID: **E102078-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.22**	0.10	ug/l	H&P 8260SV	

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Sample ID: **B3-15** Laboratory ID: **E102078-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.19**	0.020	ug/l	H&P 8260SV	
Trichloroethene	**0.31**	0.020	ug/l	H&P 8260SV	

Sample ID: **B10-15** Laboratory ID: **E102078-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.28**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.023**	0.020	ug/l	H&P 8260SV	
Trichloroethene	**0.52**	0.020	ug/l	H&P 8260SV	

Sample ID: **B11-15** Laboratory ID: **E102078-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.50**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.83**	0.020	ug/l	H&P 8260SV	

Sample ID: **B12-15** Laboratory ID: **E102078-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**0.56**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.48**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.53**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**6.3**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.69**	0.020	ug/l	H&P 8260SV	

Sample ID: **B18-15** Laboratory ID: **E102078-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**3.7**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.66**	0.10	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.14**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**2.6**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**5.3**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.093**	0.020	ug/l	H&P 8260SV	

Sample ID: **B16-15** Laboratory ID: **E102078-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.054**	0.020	ug/l	H&P 8260SV	

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Volatile Organic Compounds by H&P 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-5 (E102068-01) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.4**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**2.2**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.026**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**15**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**1.6**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.035**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-5 (E102068-01) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*79.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.4 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-15 (E102068-02) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	**0.17**	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**3.9**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**8.4**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.32**	0.10	"	"	"	"	"	"	
Chloroform	**0.079**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**50**	0.50	"	0.05	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	0.01	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**6.1**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.12**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-15 (E102068-02) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*82.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.7 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-30 (E102068-03) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.050	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	**21**	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	**20**	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.95**	0.50	"	"	"	"	"	"	
Chloroform	**0.14**	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	**160**	1.0	"	0.1	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	0.05	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**23**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.53**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-30 (E102068-03) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
o-Xylene	ND	0.50	ug/l	0.05	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Styrene	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*78.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.4 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-30 REP (E102068-04) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.050	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	**20**	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	**19**	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.87**	0.50	"	"	"	"	"	"	
Chloroform	**0.12**	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	**130**	1.0	"	0.1	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	0.05	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**21**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.47**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-30 REP (E102068-04) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
o-Xylene	ND	0.50	ug/l	0.05	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Styrene	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*80.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-50 (E102068-05) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
1,1-Difluoroethane (LCC)	ND	2.0	ug/l	0.2	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.20	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	**15**	2.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	2.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	2.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**6.2**	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	0.40	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**44**	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.40	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.40	"	"	"	"	"	"	
Benzene	ND	0.40	"	"	"	"	"	"	
Trichloroethene	**11**	0.40	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.40	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.40	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-50 (E102068-05) Vapor Sampled: 23-Feb-21 Received: 23-Feb-21									
o-Xylene	ND	2.0	ug/l	0.2	EB12309	23-Feb-21	23-Feb-21	H&P 8260SV	
Styrene	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	20	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*135 %*		*75-125*	*"*	*"*	*"*	*"*	*S-09*
Surrogate: Toluene-d8		*82.9 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*75-125*	*"*	*"*	*"*	*"*	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-75 (E102077-01) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**10**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**3.7**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.92**	0.10	"	"	"	"	"	"	
Chloroform	**0.15**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**10**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**16**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	**0.34**	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.42**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-75 (E102077-01) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-5 (E102077-02) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.32**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.26**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**1.5**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.46**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-5 (E102077-02) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*		*75-125*	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 (E102077-03) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.12**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.10**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.15**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 (E102077-03) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-5 (E102077-04) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.039**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.026**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-5 (E102077-04) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-5 (E102077-05) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.32**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.16**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.11**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**1.0**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.46**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.020**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-5 (E102077-05) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 REP (E102077-06) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.13**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.11**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.17**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 REP (E102077-06) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*122 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 (E102077-07) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.074**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 (E102077-07) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-5 (E102077-08) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.12**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.12**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.20**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-5 (E102077-08) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-5 (E102077-09) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.14**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.45**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-5 (E102077-09) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*122 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-5 (E102077-10) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	**0.12**	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.26**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.36**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-5 (E102077-10) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.1 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B12-5 (E102077-11) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.51**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.039**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B12-5 (E102077-11) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.3 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 (E102077-12) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.1**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.16**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.81**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**1.4**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.023**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 (E102077-12) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*121 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.7 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-5 (E102077-13) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.046**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-5 (E102077-13) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-4 (E102077-14) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	**0.16**	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-4 (E102077-14) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-15 (E102077-15) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.027**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-15 (E102077-15) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.1 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-5 (E102077-16) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	**0.59**	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.14**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.38**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-5 (E102077-16) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*87.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*		*75-125*	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-5 (E102077-17) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-5 (E102077-17) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.9 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-15 (E102077-18) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.028**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	**1.3**	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-15 (E102077-18) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*89.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-5 (E102077-19) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-5 (E102077-19) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*88.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.9 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-15 (E102077-20) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-15 (E102077-20) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12507	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*80.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.5 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 (E102078-01) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.5**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**1.2**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.038**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**5.6**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**1.8**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.050**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 (E102078-01) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-15 (E102078-02) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.28**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.021**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.17**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.34**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-15 (E102078-02) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-15 (E102078-03) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.075**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.038**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-15 (E102078-03) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-15 (E102078-04) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.69**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.37**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.23**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**1.7**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.90**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.023**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-15 (E102078-04) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 REP (E102078-05) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.6**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**1.3**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.034**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**6.2**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**1.6**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.049**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 REP (E102078-05) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-15 (E102078-06) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.30**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.13**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.44**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-15 (E102078-06) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-15 (E102078-07) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.22**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.19**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.31**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-15 (E102078-07) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-15 (E102078-08) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.28**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.023**	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.52**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-15 (E102078-08) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 (E102078-09) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.50**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.83**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 (E102078-09) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B12-15 (E102078-10) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	**0.56**	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.48**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.53**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**6.3**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.69**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B12-15 (E102078-10) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-15 (E102078-11) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**3.7**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.66**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.14**	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**2.6**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**5.3**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.093**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-15 (E102078-11) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-15 (E102078-12) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.054**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-15 (E102078-12) Vapor Sampled: 25-Feb-21 Received: 25-Feb-21									
o-Xylene	ND	0.10	ug/l	0.01	EB12508	25-Feb-21	25-Feb-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*		*75-125*	"	"	"	"	

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12309 - EPA 5030										
Blank (EB12309-BLK1)				Prepared & Analyzed: 23-Feb-21						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12309 - EPA 5030										
Blank (EB12309-BLK1)				Prepared & Analyzed: 23-Feb-21						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.563*		"	*0.500*		*113*	*75-125*			
Surrogate: Toluene-d8	*0.488*		"	*0.500*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.573*		"	*0.500*		*115*	*75-125*			

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12309 - EPA 5030										
LCS (EB12309-BS1)				Prepared & Analyzed: 23-Feb-21						
Dichlorodifluoromethane (F12)	5.0	0.50	ug/l	5.00		101	70-130			
Vinyl chloride	5.1	0.050	"	5.00		101	70-130			
Chloroethane	5.1	0.50	"	5.00		102	70-130			
Trichlorofluoromethane (F11)	5.8	0.50	"	5.00		116	70-130			
1,1-Dichloroethene	5.8	0.50	"	5.00		116	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	6.4	0.50	"	5.00		128	70-130			
Methylene chloride (Dichloromethane)	5.0	0.50	"	5.00		99.6	70-130			
trans-1,2-Dichloroethene	5.2	0.50	"	5.00		105	70-130			
1,1-Dichloroethane	5.2	0.50	"	5.00		103	70-130			
cis-1,2-Dichloroethene	5.6	0.50	"	5.00		111	70-130			
Chloroform	5.2	0.10	"	5.00		103	70-130			
1,1,1-Trichloroethane	5.9	0.50	"	5.00		117	70-130			
Carbon tetrachloride	6.1	0.10	"	5.00		121	70-130			
1,2-Dichloroethane (EDC)	5.3	0.10	"	5.00		106	70-130			
Benzene	5.3	0.10	"	5.00		106	70-130			
Trichloroethene	5.4	0.10	"	5.00		107	70-130			
Toluene	5.3	1.0	"	5.00		106	70-130			
1,1,2-Trichloroethane	4.5	0.50	"	5.00		89.4	70-130			
Tetrachloroethene	5.8	0.10	"	5.00		116	70-130			
Ethylbenzene	5.7	0.50	"	5.00		113	70-130			
1,1,1,2-Tetrachloroethane	5.1	0.50	"	5.00		101	70-130			
m,p-Xylene	11	0.50	"	10.0		113	70-130			
o-Xylene	5.3	0.50	"	5.00		106	70-130			
1,1,2,2-Tetrachloroethane	4.8	0.50	"	5.00		95.9	70-130			
Surrogate: Dibromofluoromethane	*2.62*		*"*	*2.50*		*105*	*75-125*			
Surrogate: Toluene-d8	*2.82*		*"*	*2.50*		*113*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.74*		*"*	*2.50*		*109*	*75-125*			

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760-804-9678 Phone
760-804-9159 Fax

Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12507 - EPA 5030										
Blank (EB12507-BLK1)				Prepared & Analyzed: 25-Feb-21						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12507 - EPA 5030										
Blank (EB12507-BLK1)				Prepared & Analyzed: 25-Feb-21						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.510*		"	*0.500*		*102*	*75-125*			
Surrogate: Toluene-d8	*0.511*		"	*0.500*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.517*		"	*0.500*		*103*	*75-125*			

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12507 - EPA 5030										
LCS (EB12507-BS1)				Prepared & Analyzed: 25-Feb-21						
Dichlorodifluoromethane (F12)	4.9	0.50	ug/l	5.00		97.1	70-130			
Vinyl chloride	5.2	0.050	"	5.00		104	70-130			
Chloroethane	5.7	0.50	"	5.00		113	70-130			
Trichlorofluoromethane (F11)	6.0	0.50	"	5.00		121	70-130			
1,1-Dichloroethene	5.8	0.50	"	5.00		116	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	6.0	0.50	"	5.00		121	70-130			
Methylene chloride (Dichloromethane)	5.1	0.50	"	5.00		102	70-130			
trans-1,2-Dichloroethene	5.4	0.50	"	5.00		108	70-130			
1,1-Dichloroethane	5.1	0.50	"	5.00		103	70-130			
cis-1,2-Dichloroethene	5.9	0.50	"	5.00		119	70-130			
Chloroform	5.7	0.10	"	5.00		113	70-130			
1,1,1-Trichloroethane	6.0	0.50	"	5.00		120	70-130			
Carbon tetrachloride	6.2	0.10	"	5.00		125	70-130			
1,2-Dichloroethane (EDC)	5.9	0.10	"	5.00		118	70-130			
Benzene	5.2	0.10	"	5.00		104	70-130			
Trichloroethene	5.9	0.10	"	5.00		118	70-130			
Toluene	5.2	1.0	"	5.00		105	70-130			
1,1,2-Trichloroethane	5.6	0.50	"	5.00		112	70-130			
Tetrachloroethene	5.9	0.10	"	5.00		118	70-130			
Ethylbenzene	5.7	0.50	"	5.00		114	70-130			
1,1,1,2-Tetrachloroethane	5.8	0.50	"	5.00		116	70-130			
m,p-Xylene	11	0.50	"	10.0		113	70-130			
o-Xylene	5.6	0.50	"	5.00		112	70-130			
1,1,2,2-Tetrachloroethane	4.5	0.50	"	5.00		89.3	70-130			
Surrogate: Dibromofluoromethane	*2.58*		*"*	*2.50*		*103*	*75-125*			
Surrogate: Toluene-d8	*2.76*		*"*	*2.50*		*110*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.67*		*"*	*2.50*		*107*	*75-125*			

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12508 - EPA 5030										
Blank (EB12508-BLK1)				Prepared & Analyzed: 25-Feb-21						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12508 - EPA 5030										
Blank (EB12508-BLK1)				Prepared & Analyzed: 25-Feb-21						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.496*		*"*	*0.500*		*99.1*	*75-125*			
Surrogate: Toluene-d8	*0.505*		*"*	*0.500*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.521*		*"*	*0.500*		*104*	*75-125*			

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB12508 - EPA 5030										
LCS (EB12508-BS1)				Prepared & Analyzed: 25-Feb-21						
Dichlorodifluoromethane (F12)	4.6	0.50	ug/l	5.00		91.0	70-130			
Vinyl chloride	5.5	0.050	"	5.00		111	70-130			
Chloroethane	7.2	0.50	"	5.00		144	70-130			QL-1H
Trichlorofluoromethane (F11)	7.5	0.50	"	5.00		149	70-130			QL-1H
1,1-Dichloroethene	5.2	0.50	"	5.00		105	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.2	0.50	"	5.00		103	70-130			
Methylene chloride (Dichloromethane)	4.7	0.50	"	5.00		94.3	70-130			
trans-1,2-Dichloroethene	4.8	0.50	"	5.00		95.2	70-130			
1,1-Dichloroethane	5.4	0.50	"	5.00		108	70-130			
cis-1,2-Dichloroethene	5.8	0.50	"	5.00		116	70-130			
Chloroform	5.6	0.10	"	5.00		111	70-130			
1,1,1-Trichloroethane	5.6	0.50	"	5.00		111	70-130			
Carbon tetrachloride	5.6	0.10	"	5.00		112	70-130			
1,2-Dichloroethane (EDC)	5.8	0.10	"	5.00		117	70-130			
Benzene	5.1	0.10	"	5.00		103	70-130			
Trichloroethene	5.4	0.10	"	5.00		108	70-130			
Toluene	5.2	1.0	"	5.00		105	70-130			
1,1,2-Trichloroethane	5.2	0.50	"	5.00		104	70-130			
Tetrachloroethene	5.3	0.10	"	5.00		107	70-130			
Ethylbenzene	5.2	0.50	"	5.00		105	70-130			
1,1,1,2-Tetrachloroethane	5.1	0.50	"	5.00		101	70-130			
m,p-Xylene	10	0.50	"	10.0		104	70-130			
o-Xylene	5.1	0.50	"	5.00		102	70-130			
1,1,2,2-Tetrachloroethane	6.0	0.50	"	5.00		121	70-130			
Surrogate: Dibromofluoromethane	*2.74*		*"*	*2.50*		*110*	*75-125*			
Surrogate: Toluene-d8	*2.73*		*"*	*2.50*		*109*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.60*		*"*	*2.50*		*104*	*75-125*			

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Partner Engineering and Science	Project: PAR022321-SB1	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	04-Mar-21 12:30

Notes and Definitions

S-09	Surrogate recovery is outside of established control limits. Corrective action was taken.
QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry, Inc.
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VAPOR / AIR Chain of Custody

DATE: 02/23/21
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering & Scienc	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo Nadres	Project Location: 301 TENNESSEE ST
Lab Client Address: 2154 Torrance Blvd #200	Report E-Mail(s): rodolfo grosa@partneresi.com
Lab Client City, State, Zip: Torrance, CA 90501	
Phone Number: 949-571-2352	

Sample Receipt (Lab Use Only)

Date Rec'd: 02/23/21 Control #: 21014.00.01
H&P Project # PAR022321-SB1
Lab Work Order # E102068
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s):
Signature:
Date:

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☑ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B1-5		02/23/21	6:14	S.V	G-S	337/304		X						X							
B1-15		02/23/21	12:22	S.V	GS	196		X						X							
B1-30		02/23/21	9:15	S.V	GS	337		X						X							
B1-30 rep		02/23/21	11:12	S.V	GS	337		X						X							
B1-50		02/23/21	11:34	S.V	G-S	314		X						X							

Approved/Relinquished by:	Company:	Date:	Time:	Received by: LOC NGO	Company: HOP	Date: 2/23/21	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Partner 2/23/21 1400

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Mobile Geochemistry, Inc.

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VAPOR / AIR Chain of Custody

DATE: 2/25/21
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering & Science	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo Ramos	Project Location: 301 TENNESSEE ST
Lab Client Address: 2154 Torrance Blvd #200	Report E-Mail(s): rodolfo crosa@partnereng.com
Lab Client City, State, Zip: Torrance CA 90501	
Phone Number: 949-571-2352	

Reporting Requirements
- [x] Standard Report [ ] Level III [ ] Level IV
- [ ] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- [ ] **Rush** (specify):

Sampler Information
Sampler(s): Mike Hensford
Signature:
Date: 2-25-21

Sample Receipt (Lab Use Only)

Date Rec'd: 2/25/21 Control #: 21014.101.01
H&P Project #: PAR02232-SB1
Lab Work Order #: E162077
Sample Intact: [ ] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Additional Instructions to Laboratory:

* Preferred VOC units (please choose one):
[x] µg/L [ ] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs, Standard Full List [x] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15	TPHv as Gas [ ] 8260SV/m [ ] TO-15m	Aromatic/Aliphatic Fractions [ ] 8260SV/m [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2				
B1-75		2/25/21	840	S.V	G-S	316		x						x							
B6-5			859			307 337		x						x							
B7-5			1018			340 316		x						x							
B8-5			937			304 337		x						x							
B5-5			957			30 337		x						x							
B7-5 rep			1119			316 287		x						x							
B4-5			1037			316 287		x						x							
B3-5			1058			129 299		x						x							
B10-5			1142			149 299		x						x							
B11-5			1208			337 287		x						x							

Approved/Relinquished by:	Company:	Date:	Time:	Received by: Loc NGU	Company: Hap	Date: 2/25/21	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Partner 2/25/21 1400

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 2/25/21
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering & Science	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo NADIES	Project Location: 301 TENNESSEE ST
Lab Client Address: 2154 Torrance Blvd #200	Report E-Mail(s): Rodolfo arosa@partnerosi.com
Lab Client City, State, Zip: Torrance CA 90501	
Phone Number: 949-571-2352	

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): Mike Hartford
Signature:
Date: 2-25-21

Sample Receipt (Lab Use Only)

Date Rec'd: 2/25/21 Control #: 21014.001.10
H&P Project # PAR02321-SB1
Lab Work Order # E102077
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Additional Instructions to Laboratory:

* Preferred VOC units (please choose one):
☑ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B12-5		2/25/21	1249	S.V	G-S	198 318		X						X						
B18-5		2/25/21	1253	S.V	G-S	333 287		X						X						
B16-5		2/25/21	1314	S.V	G-S	316 310		X						X						
B15-4		2/25/21	1333	S.V	G-S	327 304		X						X						
B15-15		2/25/21	1400	S.V	G-S	333 287		X						X						
B17-5		2/25/21	1425	S.V	G-S	337 306		X						X						
B2-5		2/25/21	1450	S.V	G-S	318 310		X						X						
B2-15		2/25/21	1507	S.V	G-S	337 304		X						X						
B9-5		2/25/21	1532	S.V	G-S	316 310		X						X						
B9-15		2/25/21	1549	S.V.	G-S			X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by: LOC NGU	Company: H&P	Date: 2/25/21	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Partner 2/25/21 1400

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VAPOR / AIR Chain of Custody

DATE: 2/25/21
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering & Science	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo Urbina	Project Location: 301 Tennessee St
Lab Client Address: 2154 Torrance Blvd #200	Report E-Mail(s): rodolfo arosa@partnereng.com
Lab Client City, State, Zip: Torrance CA, 90501	
Phone Number: 949-571-2352	

Sample Receipt (Lab Use Only)

Date Rec'd: 2/25/21	Control #: 210141.00.01
H&P Project # PAR022321-SB1	
Lab Work Order # E102078	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): Mike Hertford
Signature:
Date: 2-25-21

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☑ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B6-15		2/25/21	853	SV	6-S	199/337		X						X						
B7-15			915			287/342		X						X						
B8-15			940			199/299		X						X						
B5-15			958			316/340		X						X						
B6-15 REP			1021			304/337		X						X						
B4-15			1101			353/332		X						X						
B3-15			1120			304/337		X						X						
B10-15			1143			316/342		X						X						
B11-15			1207			333/334		X						X						
B12-			1230			304/337		X						X						

Approved/Relinquished by:		Company:	Date:	Time:	Received by: LOC NGU	Company: H&P	Date: 2/25/21	Time:
Approved/Relinquished by:		Company:	Date:	Time:	Received by:	Company: H&P	Date: 2/25/21	Time: 1400
Approved/Relinquished by:		Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Partner 2/25/21 1400

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VAPOR / AIR Chain of Custody

DATE: 2/25/21

Lab Client and Project Information

Lab Client/Consultant: Partner Engineery & Scienc	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo VANEGAS	Project Location: 301 Tennessee ST
Lab Client Address: 2154 Torrance Blvd #200	Report E-Mail(s): rodolfo arosa@partnercsi.com
Lab Client City, State, Zip: TORRANCE, CA 90501	
Phone Number: 949-571-2352	

Sample Receipt (Lab Use Only)

Date Rec'd: 2/25/21	Control #: 21014.00/.01
H&P Project # PAR02321-SUB	
Lab Work Order # E102078	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): Mike Herrera
Signature:
Date: 2-25-21

Additional Instructions to Laboratory:

* ***Preferred VOC units (please choose one):***
☑ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B18-15		2/25/21	1254	S.V	G-S	337/304		X						X						
B18-15		2/25/21		S.V	G.S			X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
				LOC NGU	H&P	2/25/21	~~1400~~ 711
					H&P	2/25/21	1400

Partner 2/25/21 1400

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR022321-SBI/Tech Date: 2-23-21

Site Address: 301 Tennessee St Redlands Page: 1 of 1

Consultant: Partner Engineering and Science H&P Rep(s): M. Hertford

Consultant Rep(s): Anthony Arosa L. Ngo

Reviewed: EC

Scanned: TJones

Equipment Info	Purge Volume Information	Leak Check Compound	Resample Key
Inline Gauge ID#:	PV Amount: 3PV PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%	*A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.* ☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:	RS = Resample RD = for Dilution RL = for LCC Fail
Pump ID#: 007			

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☒ H_2O
1	B1-5	337 324	100	814	5	7	1/4	18	8.25	6	8.25	✓	✓	26907	2L	13:27	<200	-30
2	B1-15	199 310	100	835	15	17	1/4	18	8.25	6	8.25	✓	✓	27052	2L	13:32	<200	-30
3	B1-30	337	50	915	30	32	1/4	18	8.25	6	8.25	✓	✓	27270	2L	13:38	<200	-30
4	B1-30 Rep	316	50	932	30	32	1/4	18	8.25	6	8.25	✓	✓	27370	2L	-	<200	-30
5	B1-15 RD	310	50	953	15	17	1/4	18	8.25	6	8.25	✓	✓	27152	2L	-	<200	-30
6	B1-30 RD	199	50	1050	30	32	1/4	18	8.25	6	8.25	✓	✓	27420	2L	-	<200	-30
7	B1-30 RD Rep	337	50	1112	30	32	1/4	18	8.25	6	8.25	✓	✓	27470	2L	-	<200	-30
8	B1-50	316	50	1134	50	52	1/4	18	8.25	6	8.25	✓	✓	27560	2L	13:47	<200	-30
9	B1-75	310	50	1158	75	77	1/4	18	8.25	6	8.25	✓	✓	27923	2L	13:58	<200	-30
10	B1-15 RD RS	199	50	1222	15	17	1/4	18	8.25	6	8.25	✓	✓	27202	2L	-	<200	-30
11	B17-5	316 337	100	1315	5	7	1/4	~~18~~ 12	~~8.25~~ 2.25	6	~~8.25~~ 2.25	✓	✓	1626	200	8:08	<200	-10
12	B1-75 RS	310	50	1333	75	77	1/4	18	8.25	6	8.25	✓	✓	28003	2L	-	<200	-30

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

Color coded Probes:

B1
5 - red
15 - white
30 - Blue
50 - green
75 - Black

All other probes
5 - Yellow
15 - Blue

6 +1

H&P Mobile Geochemistry Inc.

FMS004
Revision: 3
Revised: 1/15/2016
Effective: 1/25/2016
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR022321-SB1 Date: 23-Feb-21

Site Address: 301 TENNESSEE ST Page: 1 of 3

Consultant: PARTNER ENGINEERING AND SCIENCE H&P Rep(s): MIKE Reviewed: EC

Consultant Rep(s): ANTHONY AROSA Tan Loc Scanned: T Torres

Equipment Info
Inline Gauge ID#: 26
Pump ID#: 40

Purge Volume Information
PV Amount: **3PV**
PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☒ H_2O
1	B1-75	316 310	100	840	75	77	1/4	18	8.25	6	8.25	✓	✓	27923	2L	13:58	<200	-35
2	B6-5	304 327	100	859	5	7	1/4	12	2.25	6	2.25	✓	✓	1626 ✓	200	8:08	<200	-10
3	B6-15	199 337	100	853	15	17	1/4	12	2.25	6	2.25	✓	✓	1771 ✓	200	8:51	<200	0
4	B7-5	310 316	100	914	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-5
5	B7-15	287 342	100	915	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-10
6	B8-5	304 337	100	939	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-10
7	B8-15	299 199	100	940	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-10
8	B5-5	310 287	100	957	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-10
9	B5-15	316 342	100	958	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-10
10	B7-5 Rep	199 299	100	1018	5	7	1/4	12	2.25	6	2.25	✓	✓	1726	200	-	<200	-5
11	B6-15 Rep	337 304	100	1021	15	17	1/4	12	2.25	6	2.25	✓	✓	1871	200	-	<200	0
12	B4-5	310 287	100	1037	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-20

10+1

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

Color Coded Probes:
* B1 *
5-Red 50-Green
15-White 75-Black
30-Blue

* All other Probes *
5-Yellow 15-Blue

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR022321-SB1 Date: 25-Feb-21

Site Address: 301 TENNESSEE ST Page: 2 of 3

Consultant: PARTNER ENGINEERING AND SCIENCE H&P Rep(s): MIKE Reviewed: EC

Consultant Rep(s): ANTHONY AROSA Tan Loc Scanned: Flowers

Equipment Info
Inline Gauge ID#: 26
Pump ID#: 40

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☒ Sand 40% ☒ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☒ H_2O
1	B4-15	332 333	100	1038	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-15
2	B3-5	199 299	100	1058	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-20
3	B3-15	304 337	100	1122	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-20
4	B4-15 RS	332 333	100	1101	15	17	1/4	12	2.25	6	2.25	✓	✓	1871	200	-	<200	-15
5	B7-5 Rep	310 287	100	1119	5	7	1/4	12	2.25	6	2.25	✓	✓	1826	200	-	<200	-5
6	B10-5	199 299	100	1142	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
7	B10-15	342 316	100	1143	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-10
8	B11-5	337 287	100	1206	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
9	B11-~~10~~ 15	337 334 333	100	1207	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
10	B12-5	199 318	100	1229	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
11	B12-15	332 299	100	1230	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
12	B18-5	333 287	100	1253	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR022321-SB1 Date: 25-Feb-21

Site Address: 301 TENNESSEE ST Page: 3 of 3

Consultant: PARTNER ENGINEERING AND SCIENCE H&P Rep(s): MIKE Reviewed: EC

Consultant Rep(s): ANTHONY AROSA LOC Tan Scanned: TM

Equipment Info
Inline Gauge ID#: 26
Pump ID#: 40

Purge Volume Information
PV Amount: 3PV
PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☒ H_2O
1	B18-15	337 304	100	1254	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
2	B16-5	316 310	100	1316	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
3	B16-15	309 332	100	1317	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
4	B15-4	337 304	100	1333	5	7	1/4	12	2.25	6	2.25	✓	✓	~~1626~~ 1612	200	8:04	<200	0
5	B15-15	333 287	100	~~1337~~ 1339	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
6	B17-5	337 304	100	1425	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
7	B2-5	316 310	100	1450	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	0
8	B2-15	337 304	100	1507	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	0
9	B9-5	316 310	100	1532	5	7	1/4	12	2.25	6	2.25	✓	✓	1626	200	8:08	<200	-10
10	B9-15	337 304	100	1549	15	17	1/4	12	2.25	6	2.25	✓	✓	1771	200	8:51	<200	-15
11	B17-5 RL	316 310	100	1610	5	7	1/4	12	2.25	6	2.25	✓	✓	1726	200	-	<200	0
12	B2-15 RS	337 304	100		15	17	1/4	12	2.25	6	2.25	✓	✓	1871	200	-	<200	0

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Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

Mobile
Geochemistry Inc.

28 April 2021

Rodolfo Nadres
Partner Engineering and Science
2154 Torrance Boulevard, Suite 200
Torrance, CA 90501

H&P Project: PAR041921-ML
Client Project: 20-284007 / 301 Tennessee St

Dear Rodolfo Nadres:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 19-Apr-21 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

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Partner Engineering and Science	Project: PAR041921-ML	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-95	E104042-01	Vapor	19-Apr-21	19-Apr-21
B1-95 REP	E104042-02	Vapor	19-Apr-21	19-Apr-21

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

DETECTIONS SUMMARY

Sample ID: **B1-95** Laboratory ID: **E104042-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**1.6**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.11**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.24**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**0.92**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.025**	0.020	ug/l	H&P 8260SV	

Sample ID: **B1-95 REP** Laboratory ID: **E104042-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**0.17**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**1.2**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethane	**0.10**	0.10	ug/l	H&P 8260SV	
1,1,1-Trichloroethane	**0.22**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**1.2**	0.020	ug/l	H&P 8260SV	
Tetrachloroethene	**0.027**	0.020	ug/l	H&P 8260SV	

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-95 (E104042-01) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	ED11909	19-Apr-21	19-Apr-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.6**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.11**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.24**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.92**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.025**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-95 (E104042-01) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
o-Xylene	ND	0.10	ug/l	0.01	ED11909	19-Apr-21	19-Apr-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*75-125*	"	"	"	"	

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Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-95 REP (E104042-02) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
1,1-Difluoroethane (LCC)	**0.17**	0.10	ug/l	0.01	ED11909	19-Apr-21	19-Apr-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.2**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	**0.10**	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	**0.22**	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**1.2**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.027**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-95 REP (E104042-02) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
o-Xylene	ND	0.10	ug/l	0.01	ED11909	19-Apr-21	19-Apr-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*123 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*		*75-125*	"	"	"	"	

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2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11909 - EPA 5030										
Blank (ED11909-BLK1)				Prepared & Analyzed: 19-Apr-21						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11909 - EPA 5030										
Blank (ED11909-BLK1)				Prepared & Analyzed: 19-Apr-21						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.526*		*"*	*0.500*		*105*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.537*		*"*	*0.500*		*107*	*75-125*			
Surrogate: Toluene-d8	*0.448*		*"*	*0.500*		*89.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.508*		*"*	*0.500*		*102*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Partner Engineering and Science	Project: PAR041921-ML	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11909 - EPA 5030										
LCS (ED11909-BS1)				Prepared & Analyzed: 19-Apr-21						
Dichlorodifluoromethane (F12)	4.0	0.50	ug/l	5.00		79.1	70-130			
Vinyl chloride	6.4	0.050	"	5.00		127	70-130			
Chloroethane	7.9	0.50	"	5.00		159	70-130			QL-1H
Trichlorofluoromethane (F11)	5.9	0.50	"	5.00		119	70-130			
1,1-Dichloroethene	4.1	0.50	"	5.00		81.1	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	4.1	0.50	"	5.00		82.7	70-130			
Methylene chloride (Dichloromethane)	6.6	0.50	"	5.00		132	70-130			QL-1H
trans-1,2-Dichloroethene	4.3	0.50	"	5.00		85.8	70-130			
1,1-Dichloroethane	4.3	0.50	"	5.00		86.1	70-130			
cis-1,2-Dichloroethene	5.2	0.50	"	5.00		104	70-130			
Chloroform	5.2	0.10	"	5.00		105	70-130			
1,1,1-Trichloroethane	4.8	0.50	"	5.00		95.3	70-130			
Carbon tetrachloride	5.6	0.10	"	5.00		112	70-130			
1,2-Dichloroethane (EDC)	5.6	0.10	"	5.00		112	70-130			
Benzene	5.1	0.10	"	5.00		103	70-130			
Trichloroethene	5.9	0.10	"	5.00		118	70-130			
Toluene	4.8	1.0	"	5.00		96.8	70-130			
1,1,2-Trichloroethane	6.8	0.50	"	5.00		136	70-130			QL-1H
Tetrachloroethene	5.1	0.10	"	5.00		102	70-130			
Ethylbenzene	5.5	0.50	"	5.00		110	70-130			
1,1,1,2-Tetrachloroethane	5.6	0.50	"	5.00		112	70-130			
m,p-Xylene	12	0.50	"	10.0		120	70-130			
o-Xylene	6.1	0.50	"	5.00		123	70-130			
1,1,2,2-Tetrachloroethane	7.3	0.50	"	5.00		147	70-130			QL-1H
Surrogate: Dibromofluoromethane	*2.77*		*"*	*2.50*		*111*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.87*		*"*	*2.50*		*115*	*75-125*			
Surrogate: Toluene-d8	*2.50*		*"*	*2.50*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.86*		*"*	*2.50*		*114*	*75-125*			

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Partner Engineering and Science	Project: PAR041921-ML	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	28-Apr-21 11:09

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/19/21
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering and Science	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo Rodres	Project Location: 301 Tennessee St
Lab Client Address: 2154 Torrance Blvd, Suite 200	Report E-Mail(s): rodolfo@partnereesi.com
Lab Client City, State, Zip: Torrance, CA 90501	
Phone Number: 310-615-4500	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/19/21	Control #: 21027600
H&P Project # PAR041921-ML	
Lab Work Order # E104042	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): Tanle
Signature:
Date: 4/19/21

Additional Instructions to Laboratory:

* ***Preferred VOC units (please choose one):***
☐ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B1-95		4/19/21	902	S.V	G.S	87/287		X						X						
B1-95REP		4/19/21	922	S.V	G.S	333/333		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Rodolfo Rodres	partner	4/19/21	1130		H&P	4/19/21	11
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR041921-ML Date: 4/19/2021

Site Address: 301 Tennessee St Page: of

Consultant: Partner Engineering and Science H&P Rep(s): T. Le Reviewed: EC

Consultant Rep(s): *Rodolfo Nadres* Scanned: ✓

Equipment Info
Inline Gauge ID#:
Pump ID#:

Purge Volume Information
PV Amount: 3PV PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☑ IPA TFL ☐ Other:

Resample Key:
RS = Resample
RD = for Dilution
RL = lor LCC fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	B1-95	87/287	100	902	95	97	0.177	18	8.25	12	8.25	✓	✓	29563	2000	14:47	<200	55
2	B1-95 REP	332/333	100	922	95	97	0.177	18	8.25	12	8.25	✓	✓	29663	~~2000~~ TFL	–	<200	55
3	B1-95 REP RS	87/287	100	948	95	97	0.177	18	8.25	12	8.25	✓	✓	29763	–	–	<200	55
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
Replace probe's valve with 1 way valve

PARTNER
Engineering and Science, Inc.®

ADDITIONAL INDOOR AIR QUALITY SCREENING REPORT

Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

October 22, 2021
Partner Project Number: SM20-284007

Prepared For:

Acc Bld, LLC
P.O. Box 7538
Redlands, California 92375



Engineers who understand your business

October 22, 2021

Ms. Veronica Burgess
Acc Bld, LLC
P.O. Box 7538
Redlands, California 92375

Subject: **Additional Indoor Air Quality Screening**
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373
Partner Project Number: SM20-284007

Dear Ms. Burgess:

The following letter report summarizes the field activities, methods, and findings of the Additional Indoor Air Quality Screening performed by Partner Engineering and Science, Inc. (Partner) at the above-referenced site (the "Site") on behalf of Acc Bld, LLC (the "Client"). The objective of the project was to further evaluate residual tetrachloroethene (PCE) impacts to indoor air at the Site.

Site Description

The Site consists of an approximately 8.2-acre rectangular parcel of land (Assessor's Parcel Number [APN] 0292-192-11) located on the northwest corner of the Tennessee Street and West State Street intersection in a mixed industrial and commercial area of the City of Redlands, California. The Site is developed with three buildings. The main building (Building 1) encompasses much of the parcel and was constructed in phases from the mid-1960s to 1991. The second building (Building 2) is in the northwest corner of the parcel and was constructed in 1969. The third building (Building 3) is located to the north of Building 1 and was constructed in the mid-1960s. Please see Figure 1 for a site plan.

Project History

According to a Phase I and II Environmental Site Assessment (Phase I and II) Report prepared by LOR Geotechnical Group, Inc. (LOR), dated January 21, 2020, La-Z-Boy previously operated at the Site from approximately the 1960s to 2019 for furniture manufacturing. Available regulatory agency records documented historical on-site use of hazardous materials.

To evaluate whether the historical industrial operations impacted the subsurface, LOR collected and analyzed soil and soil gas samples from across the Site in October and November of 2019. The LOR investigation identified elevated concentrations of volatile organic compounds (VOCs) in soil gas including PCE; trichloroethene (TCE); and 1,1,1-trichloroethane (TCA).

To evaluate potential vapor intrusion risks associated with the subsurface impacts, Citadel EHS (Citadel) performed an indoor air quality survey in November of 2019 as summarized in the LOR Phase I and II

Report. The Citadel investigation identified elevated concentrations of VOCs in indoor air, particularly PCE in Building 1.

Subsequently, a sub-slab depressurization system (SSDS) was installed in Building 1 to address potential vapor intrusion concerns. The Building 1 SSDS consisted of 25 subsystems, each consisting of suction pits and risers, an extraction blower or inline fan, and an exhaust stack.

Rincon Consultants, Inc. (Rincon) was tasked with operating the SSDS. Rincon began SSDS operation on July 6, 2020, and performed verification indoor air sampling in July and September of 2020. The verification indoor air sampling results indicated that elevated concentrations of PCE persisted inside Building 1 despite SSDS operation.

Due to the Rincon findings, Partner performed Indoor Air Quality Screening in November of 2020 as summarized in a report dated December 9, 2020, to further evaluate PCE impacts to indoor air at the Site. The scope of the project included discrete air sampling and a 3-day real-time air sampling episode. The investigation results indicated that the PCE impacts to indoor air were most likely unrelated to vapor intrusion from the subsurface and identified the building's insulation as a likely source.

The Client subsequently removed and replaced the building insulation, and Rincon performed verification indoor air sampling in January and February of 2021. The results of the Rincon investigation indicated that PCE concentrations in indoor air decreased by at least 50%, but remained above regulatory screening levels.

Field Activities

Partner performed multiple rounds of sampling at the Site as summarized below to identify the source of the residual PCE impacts to indoor air.

Discrete Air Sampling, Second Episode

On March 1 and 2, 2021, Partner subcontracted with Hartman Environmental Geoscience (HEG) to provide discrete air sampling and analysis field services. HEG implemented the VaporSafe™ automated mobile real-time high-resolution air sampling and analysis system developed by Groundswell Technologies, Inc. (Groundswell) for the project. HEG calibrated the VaporSafe™ system prior to sampling.

HEG collected 68 discrete air samples from throughout Building 1 to evaluate the distribution of residual PCE in indoor air. The SSDS and heating, ventilation, and air conditioning (HVAC) units were off at the time of sampling. Please see Table 1 for a summary of the discrete air sampling locations and Figures 2A and 2B for maps of the discrete air sampling locations.

HEG collected discrete air samples with a gas-tight syringe, which were injected into the VaporSafe™ gas chromatograph (GC) with electron capture detector (ECD) for analysis in accordance with U.S. Environmental Protection Agency (EPA) Modified Method TO-14. The system was configured to analyze for PCE and TCE. Please see Appendix A for the discrete air sample laboratory analysis report and Table 1 for a summary of the discrete air sample laboratory analysis results.

The discrete air sampling results documented that PCE in indoor air exhibited a vertical gradient in Building 1 with peak concentrations detected immediately below the ceiling, similar to the findings of the initial discrete air sampling episode. The highest PCE concentration detected in air during the investigation was 310 micrograms per cubic meter ($\mu g/m^3$), collected from ceiling insulation at 34-CI. Since the newly installed insulation presumably did not contain PCE, Partner identified the building's roof as the likely source of the residual PCE in indoor air.

Core Sampling

On April 13, 2021, Partner, in conjunction with the Client, mechanically collected core samples of the roof at 34-CI. The replacement insulation installed by the Client had been largely removed by this point in the investigation. Please see Figure 2A for a map of the core sample location.

The core samples yielded three distinct layers of the roof deck: (1) the bottom visible plywood, (2) tar paper or similar on top of the plywood, and (3) a foam material above the tar paper. The approximate thickness of the roof deck materials was 0.5 inches, ⅛ inch, and more than 2.5 inches, respectively. Note that the core samples did not penetrate the full thickness of the roof deck.

The different layers of the roof deck were separated and placed in sealable plastic bags, labeled for identification (PW, TP, and FM, respectively), and transported in an iced cooler under chain-of-custody protocol to Alpha Scientific Corporation (ASC), a state-accredited laboratory (State Water Resources Control Board [SWRCB] Division of Drinking Water [DDW] Environmental Laboratory Accreditation Program [ELAP] certificate number 3007) in Cerritos, California for analysis. Each sample was analyzed for PCE in accordance with EPA Method 8260B. Please see Appendix B for the roof materials laboratory analysis report and Table 2 for a summary of the roof materials laboratory analysis results.

Considerably elevated concentrations of PCE were detected in each roof material sample. Furthermore, the PCE concentrations exhibited a vertical gradient, increasing from the plywood to the foam material (concentrations of 15.0 milligrams per kilogram [mg/kg], 61.7 mg/kg, and 933 mg/kg, respectively). Accordingly, the core sampling results indicated that the building's roof deck was the likely source of the residual PCE in indoor air, particularly the foam material layer.

Discrete Air Sampling, Third Episode

On April 19, 2021, Partner subcontracted with H&P Mobile Geochemistry Inc. (H&P) a U.S. Department of Defense (DoD) accredited mobile laboratory (DoD-ELAP certificate number L19-589-R1) based in Carlsbad, California, to provide discrete air sampling and mobile laboratory field services. H&P calibrated the mobile laboratory prior to sampling.

H&P collected two discrete air samples: from (1) from the void space formed in the roof deck after coring at 34-CI and (2) the breathing zone immediately below 34-CI (IA-25). The SSDS and HVAC units were off at the time of sampling. Please see Table 1 for a summary of the discrete air sampling locations and Figures 2A and 2B for maps of the discrete air sampling locations.

H&P collected discrete air samples with a gas-tight syringe, which were injected into the mobile laboratory GC / mass spectrometer (MS) for PCE analysis in accordance with EPA Method 8260B. Please see Appendix A for the discrete air sample laboratory analysis report and Table 1 for a summary of the discrete air sample laboratory analysis results.

PCE was detected in the roof deck core air sample at a concentration of 29,000 $\mu g/m^3$, approximately two orders of magnitude higher than what was detected at the same location in the insulation. For comparison, PCE was detected in the breathing zone immediately below the roof deck core air sample at a concentration of 21 $\mu g/m^3$, a decrease of approximately three orders of magnitude. Accordingly, the air sampling results further reinforced that the building's roof was the likely source of the residual PCE in indoor air.

Core Sampling, Second Episode

On May 3, 2021, Partner, in conjunction with the Client, mechanically collected two additional core samples of the roof: at (1) 30-CI and (2) 16-CI. Please see Figure 2A for a map of the core sample locations.

The core sample from the former was similar to the original core sample from 34-CI in terms of the roof construction. The core sample from the latter differed and only yielded two distinct layers of the roof deck: (1) the bottom visible plywood and (2) an unidentified material, possibly fiberglass.

The different layers of the roof deck were separated and placed in sealable plastic bags, labeled for identification (PW-1, TP-1, and FM-1 for the former and PW-2 and CM-2 for the latter, respectively), and transported in an iced cooler under chain-of-custody protocol to ASC for analysis. Each sample was analyzed for PCE in accordance with EPA Method 8260B. Please see Appendix B for the roof materials laboratory analysis report and Table 2 for a summary of the roof materials laboratory analysis results.

The laboratory results of the 30-CI core sample were similar to that of the prior core sample with PCE concentrations exhibiting a vertical gradient, increasing from the plywood to the foam material (concentrations of 10.4 mg/kg, 25.1 mg/kg, and 761 mg/kg, respectively). Only trace concentrations of PCE were detected in the roof deck materials of the 16-CI core sample.

The additional core sampling results indicated that elevated concentrations of PCE in the roof deck did not extend across the entirety of Building 1. The core sampling results also generally correlated with prior indoor air sampling results since core sample 16-CI, which had only trace concentrations of PCE, was collected from the southern end of Building 1 and the lowest PCE concentrations in indoor air were typically detected in this area of the building.

Discrete Air Sampling, Fourth Episode

The Client pilot tested the ability of two technologies to mitigate off-gassing of PCE from the roof deck: (1) Safe Seal, a water-based sealer developed by AFM Safecoat, and (2) Retro-Coat Vapor Intrusion Coating System, a non-VOC epoxy sealer developed by Land Science. In general, the Client performed the following tasks:

- Prepared the pilot test area. This involved staging containment for one room of Building 1 to isolate the ambient air within the pilot test area from the rest of the building. This included installing barriers with plastic sheeting at the entryways to the room and sealing wall penetrations with plastic sheeting. Please see Figure 2A for a map of the pilot test area;
- Dividing the pilot test area into two subareas by constructing a barrier spanning from the floor to the ceiling with wood framing and plastic sheeting along the center of the room, oriented north-south; and
- Subcontracting with Pacific Coast Contracting Services, Inc. (Pacific) to spray-apply the sealants to the pilot test area ceiling. Safecoat was applied to the western half of the room and Retro-Coat was applied to the eastern half of the room. Prior to sealant application, Pacific installed plastic sheeting along the floors and around exposed piping, utility lines, etc. and brushed loose debris from the ceiling to the extent feasible. Three coats of Safecoat were applied to the western subarea while primer and two coats of Retro-Coat were applied to the eastern subarea.

On June 21, 2021, Partner subcontracted with HEG to provide discrete air sampling and analysis field services. HEG collected 14 discrete air samples primarily in and around the pilot test area to evaluate the effectiveness of the sealants. The SSDS and HVAC units were on at the time of sampling. Please see Table 1 for a summary of the discrete air sampling locations and Figures 2A and 2B for maps of the discrete air sampling locations.

Sampling and analysis protocol were as previously described for the VaporSafe™ system. Please see Appendix A for the discrete air sample laboratory analysis report and Table 1 for a summary of the discrete air sample laboratory analysis results.

The discrete air sampling results documented that neither sealant was effective in mitigating off-gassing of PCE from the roof deck since concentrations of PCE in indoor air in the pilot test area remained above regulatory screening levels, both immediately below the ceiling and in the breathing zone. Notably, there was no evident vertical gradient in PCE in indoor air during this sampling episode. This was likely a result of air circulation within the building due to the HVAC units operation.

In addition, Partner collected a sample of the replacement insulation that had been removed and stockpiled on-site. The insulation sample was placed in a sealable plastic bag, labeled for identification, and transported in an iced cooler under chain-of-custody protocol to ASC for analysis. The sample was analyzed for PCE in accordance with EPA Method 8260B. Please see Appendix B for the roof materials laboratory analysis report and Table 2 for a summary of the roof materials laboratory analysis results.

PCE was not detected in the insulation sample above the laboratory Method Detection Limit (MDL).

Discrete Air Sampling, Fifth Episode

The Client subsequently aired out the pilot test area by operating fans in the space and opening the roof hatch for an unspecified period of time, and on July 28, 2021, Partner subcontracted with HEG to provide discrete air sampling and analysis field services. HEG collected six discrete air samples primarily in and around the pilot test area from the breathing zone to evaluate the current conditions in the pilot test area.

The SSDS and HVAC units were on, the aforementioned fans remained in operation, and the roof hatch remained open at the time of sampling. Please see Table 1 for a summary of the discrete air sampling locations and Figure 2B for a map of the discrete air sampling locations.

Sampling and analysis protocol were as previously described for the VaporSafe™ system. Please see Appendix A for the discrete air sample laboratory analysis report and Table 1 for a summary of the discrete air sample laboratory analysis results.

The discrete air sampling results indicated that PCE concentrations in the pilot test area breathing zone declined, though they remained above regulatory screening levels.

Summary and Conclusions

Partner performed additional indoor air quality screening to further evaluate residual PCE impacts to indoor air at the Site. The results of the investigation indicate that the roof deck of Building 1 is the most likely source of the PCE impacts to indoor air, particularly the foam material layer concentrations as high as 933 mg/kg were detected. The elevated concentrations of PCE in the roof deck do not extend across the entirety of Building 1.

Limitations

This report presents a summary of work performed by Partner under the professional direction and review of the registered professional(s) listed. The work includes observations of site conditions encountered and the analytical results provided by independent third-party laboratories of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

The recommendations and/or conclusions provided in this report are based on observations, governing regulations, and/or available information from regulatory agencies; previous field investigations; and/or the results of laboratory analysis of soil, soil gas, and/or groundwater samples. Recommendations and/or conclusions beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were performed in accordance with generally accepted practices in the environmental engineering and science, engineering geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

Reports, both verbal and written, as they pertain to the Site are for the sole use and benefit of the Client. This report has no other purpose and may not be relied upon by another person or entity without the written consent of Partner. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors, or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client,

and their respective officers, employees, vendors, successors, and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees), and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

Signatures of Participating Professionals

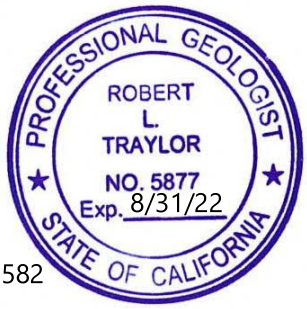
Thank you for the opportunity to be of service. If you have questions regarding this report, please contact the undersigned at (310) 615-4500.

Sincerely,



Rodolfo Nadres, EIT
Project Manager





Robert Traylor, PG 5877, CHg 582
Principal – Site Mitigation

Attachments:

Tables
1. Cumulative Discrete Air Sampling Locations and Laboratory Analysis Results ($\mu g/m^3$)
2. Roof Materials Sampling Locations and Laboratory Analysis Results (mg/kg)

Figures
1. Site Plan
2A. Discrete Air Sampling Locations – Ceiling Samples
2B. Discrete Air Sampling Locations – Other Samples

Appendices
A. Discrete Air Sample Laboratory Analysis Reports
B. Roof Materials Laboratory Analysis Reports

TABLES

Table 1: Cumulative Discrete Air Sampling Locations and Laboratory Analysis Results (µg/m^3)

HEG or H&P Sample Identification	Partner Sample Identification	Date Sampled	Commercial Ambient Air Screening Level (SL)	2.0	3.0	4,400
			Basis [A]	Note 3	RSL	Note 3
			Sample Description	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)
Insulation #1	1-CI	11/02/20	Interior, Ceiling Insulation	**180**	<1	<1
Insulation #2	2-CI	11/02/20	Interior, Ceiling Insulation	**> 260**	<1	<1
Insulation #2 Repeat	2-CI	11/05/20	Resample of 2-CI	**500**	<1	**5.0**
Insulation #3	3-CI	11/02/20	Interior, Ceiling Insulation	**210**	<1	<1
Insulation #4	4-WI	11/02/20	Interior, Wall Insulation	**31**	<1	<1
Insulation #5	5-CI	11/02/20	Interior, Ceiling Insulation	**170**	<1	<1
6-CI	6-CI	11/05/20	Interior, Ceiling Insulation	**17**	<1	**1.0**
7-WI	7-WI	11/05/20	Interior, Wall Insulation	**22**	<1	**1.0**
8-CI	8-CI	11/05/20	Interior, Ceiling Insulation	**67**	<1	**1.3**
9-CI	9-CI	11/05/20	Interior, Ceiling Insulation	**18**	<1	**1.1**
10-CI	10-CI	11/05/20	Interior, Ceiling Insulation	**19**	<1	<1
11-CI	11-CI	11/05/20	Interior, Ceiling Insulation	**8.0**	<1	<1
12-CI	12-CI	11/05/20	Interior, Ceiling Insulation	**33**	<1	<1
13-CI	13-CI	11/05/20	Interior, Ceiling Insulation	**42**	<1	<1
14-CI	14-CI	11/05/20	Interior, Ceiling Insulation	**170**	<1	<1
15-CI	15-CI	11/05/20	Interior, Ceiling Insulation	**10**	<1	<1
16-CI	16-CI	11/05/20	Interior, Ceiling Insulation	**10**	<1	<1
17-CI	**17-CI**	**03/01/21**	**Interior, New Ceiling Insulation**	**18**	<1	NA
CI-17 DUP	**17-CI**	**03/02/21**	**Reanalysis with Dilution**	**21**	<3	NA
CI-18	**18-CI**	**03/01/21**	**Interior, New Ceiling Insulation**	**24**	<1	NA
CI-18 DUP	**18-CI**	**03/02/21**	**Resample of 18-CI**	**> 48**	<1	NA
CI-19	**19-CI**	**03/01/21**	**Interior, New Ceiling Insulation**	**14**	<1	NA
CI-20	**20-CI**	**03/01/21**	**Detached New Insulation in Resealable Plastic Bag**	**8.1**	<1	NA
CI-21	**21-CI**	**03/01/21**	**Interior, Roof Beam**	**11**	<1	NA
CI-22	**22-CI**	**03/02/21**	**Detached New Insulation in Resealable Plastic Bag**	**6.2**	<1	NA
CI-23	**23-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 46**	<1	NA
CI-24	**24-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 51**	<1	NA
CI-25	**25-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 61**	<1	NA
CI-25 DUP	**25-CI**	**03/02/21**	**Reanalysis with Dilution**	**130**	<3	NA
CI-26	**26-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**60**	<3	NA
CI-26 DUP	**26-CI**	**03/02/21**	**Resample of 26-CI**	**60**	<3	NA
CI-27	**27-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 50**	<1	NA
CI-27 DUP	**27-CI**	**03/02/21**	**Reanalysis with Dilution**	**100**	<2	NA
CI-28	**28-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**80**	<3	NA
CI-29	**29-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**120**	<3	NA
CI-30	**30-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**50**	<3	NA
CI-30-A	**30-CI**	**06/21/21**	**Interior, Below Ceiling with No Insulation and After Retro-Coat Application**	**30**	<1	NA

Table 1: Cumulative Discrete Air Sampling Locations and Laboratory Analysis Results ($\mu g/m^3$)

HEG or H&P Sample Identification	Partner Sample Identification	Date Sampled	Commercial Ambient Air Screening Level (SL)	2.0	3.0	4,400
			Basis [A]	Note 3	RSL	Note 3
			Sample Description	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)
CI-30-B	**30-CI**	**06/21/21**	**Resample After Operating Fans**	**53**	<1	NA
CI-31	**31-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**110**	<3	NA
CI-31-A	**31-CI**	**06/21/21**	**Interior, Below Ceiling with No Insulation and After Safe Seal Application**	**30**	<1	NA
CI-31-B	**31-CI**	**06/21/21**	**Resample After Operating Fans**	**34**	<1	NA
CI-32	**32-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 240**	<3	NA
CI-32	**32-CI**	**03/02/21**	**Reanalysis with Dilution**	**250**	<5	NA
CI-32-A	**32-CI**	**06/21/21**	**Interior, Below Ceiling with No Insulation**	**17**	<1	NA
CI-33	**33-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**65**	<5	NA
CI-34	**34-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 300**	<4	NA
CI-34	**34-CI**	**03/02/21**	**Reanalysis with Dilution**	**310**	<5	NA
CI-34a	**34-CI**	**03/02/21**	**Interior, Above Ceiling Insulation**	**> 300**	<5	NA
CI-34a DUP	**34-CI**	**03/02/21**	**Reanalysis with Dilution**	**250**	<10	NA
CI-34b	**34-CI**	**03/02/21**	**Interior, Below New Ceiling Insulation**	**18**	<1	NA
CI-34C	**34-CI**	**04/19/21**	**Interior, from Roof Core After Ceiling Insulation Removal**	**29,000**	NA	NA
CI-34C	**34-CI**	**04/19/21**	**Duplicate of Roof Core Sample**	**27,000**	NA	NA
CI-34-D	**34-CI**	**06/21/21**	**Interior, from Roof Core**	**1,800**	<100	NA
CI-34-D-2	**34-CI**	**06/21/21**	**Duplicate of Roof Core Sample**	**2,000**	<10	NA
CI-35	**35-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**160**	<5	NA
CI-36	**36-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**55**	<5	NA
CI-37	**37-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**15**	<1	NA
CI-38	**38-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**10**	<1	NA
CI-39	**39-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**11**	<1	NA
CI-40	**40-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**> 64**	<1	NA
CI-41	**41-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**120**	<5	NA
CI-42	**42-CI**	**03/02/21**	**Interior, New Ceiling Insulation**	**60**	<5	NA
CI-43	**43-CI**	**03/02/21**	**Interior, Below Ceiling with No Insulation**	**5.0**	<1	NA
IA-29	**44-CI**	**06/21/21**	**Detached New Insulation in Resealable Plastic Bag After Outdoor Storage**	**8.0**	<1	NA
17-RV	AA-1	11/05/20	Exterior, Adjacent to Real-Time Air Sampling Point PES-2	**3.0**	<1	<1
IA SSD-02	IA-1	11/02/20	Interior, Adjacent to SSD-02 Subsystem	**32**	<1	<1
SE Corner Office	IA-2	11/02/20	Interior, Office	**35**	<1	<1
Duct Vent	IA-3	11/02/20	Interior, Inside HVAC Ductwork	**32**	<1	<1
Office AC	IA-4	11/05/20	Interior, Office	**14**	<1	<1
Office Intake	IA-5	11/05/20	Interior, Office	**13**	<1	<1
IA-6	**IA-6**	**03/01/21**	**Interior, Inside HVAC Ductwork, Bottom Vent**	**14**	<1	NA
IA-7	**IA-7**	**03/01/21**	**Interior, Inside HVAC Ductwork, Side Vent**	**16**	<1	NA
IA-8	**IA-8**	**03/01/21**	**Interior, Dust Accumulated Atop HVAC Ductwork**	**13**	<1	NA
IA-9	**IA-9**	**03/01/21**	**Interior, Above Office Drop Tile Ceiling**	**8.4**	<1	NA

Table 1: Cumulative Discrete Air Sampling Locations and Laboratory Analysis Results ($\mu g/m^3$)

HEG or H&P Sample Identification	Partner Sample Identification	Date Sampled	Commercial Ambient Air Screening Level (SL)	2.0	3.0	4,400
			Basis [A]	Note 3	RSL	Note 3
			Sample Description	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)
IA-10	**IA-10**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**13**	<1	NA
IA-11	**IA-11**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**11**	<1	NA
IA-12	**IA-12**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**7.8**	<1	NA
IA-13	**IA-13**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**10**	<1	NA
IA-14	**IA-14**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**10**	<1	NA
IA-15	**IA-15**	**03/01/21**	**Interior, Inside HVAC Ductwork**	**9.3**	<1	NA
IA-16	**IA-16**	**03/01/21**	**Interior, HVAC Unit Filter**	**3.3**	<1	NA
Office HVAC	**IA-16A**	**03/01/21**	**Interior, HVAC Unit Vent**	**5.5**	<1	NA
IA-17	**IA-17**	**03/01/21**	**Exterior, HVAC Unit Filter**	**4.5**	<1	NA
IA-18	**IA-18**	**03/01/21**	**Interior, Floor Drain**	**8.0**	<1	NA
IA-19	**IA-19**	**03/01/21**	**Interior, Dust Accumulated in Detached Light Fixture**	**9.3**	<1	NA
IA-20	**IA-20**	**03/01/21**	**Interior, Cafeteria at Breathing Zone Height**	**3.7**	<1	NA
IA-21	**IA-21**	**03/02/21**	**Interior, Co-Located with 23-CI at Breathing Zone Height**	**9.6**	<1	NA
IA-22	**IA-22**	**03/02/21**	**Interior, Co-Located with 24-CI at Breathing Zone Height**	**9.8**	<1	NA
IA-23	**IA-23**	**03/02/21**	**Interior, Co-Located with 25-CI at Breathing Zone Height**	**9.5**	<1	NA
IA-24	**IA-24**	**03/02/21**	**Interior, Co-Located with 26-CI at Breathing Zone Height**	**10**	<1	NA
IA-25	**IA-25**	**04/19/21**	**Interior, Co-Located with 34-CI at Breathing Zone Height**	**21**	NA	NA
IA-25-A	**IA-25**	**06/21/21**	**Interior, Co-Located with 34-CI at Breathing Zone Height**	**30**	<1	NA
IA-26	**IA-26**	**06/21/21**	**Interior, Co-Located with 31-CI at Breathing Zone Height**	**25**	<1	NA
IA-26-A	**IA-26**	**06/21/21**	**Resample After Operating Fans**	**35**	<1	NA
IA26-B	**IA-26**	**07/28/21**	**Interior, Co-Located with 31-CI at Breathing Zone Height**	**8.0**	<1	NA
IA26-B #2	**IA-26**	**07/28/21**	**Duplicate Sample**	**8.4**	<1	NA
IA-27	**IA-27**	**06/21/21**	**Interior, Co-Located with 30-CI at Breathing Zone Height**	**38**	<1	NA
IA-27-A	**IA-27**	**06/21/21**	**Resample After Operating Fans**	**51**	<1	NA
IA27-B	**IA-27**	**07/28/21**	**Interior, Co-Located with 30-CI at Breathing Zone Height**	**16**	<1	NA
IA-28	**IA-28**	**06/21/21**	**Interior, Co-Located with 32-CI at Breathing Zone Height**	**18**	<1	NA
IA28-A	**IA-28**	**07/28/21**	**Interior, Co-Located with 32-CI at Breathing Zone Height**	**40**	<1	NA
IA28-A #2	**IA-28**	**07/28/21**	**Duplicate Sample**	**43**	<1	NA
SC-13	**IA-29**	**03/01/21**	**Interior, Co-Located with 33-CI at Breathing Zone Height**	**12**	<1	NA
SC-14	**IA-30**	**03/01/21**	**Interior, Co-Located with IA-8 at Breathing Zone Height**	**11**	<1	NA
SC-1	SC-1	11/02/20	Exterior, Adjacent to Prior Rincon Air Sampling Point SC-1 (Background)	<1	<1	<1
SC-4	SC-4	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-4 at Breathing Zone Height	**26**	<1	<1
SC-4	**SC-4**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-4 at Breathing Zone Height**	**3.8**	<1	NA
SC-5	SC-5	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-5 at Breathing Zone Height	**8.0**	<1	<1
SC-5	**SC-5**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-5 at Breathing Zone Height**	**4.1**	<1	NA
SC-6	SC-6	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-6 at Breathing Zone Height	**25**	<1	<1
SC-6	**SC-6**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-6 at Breathing Zone Height**	**7.2**	<1	NA

Table 1: Cumulative Discrete Air Sampling Locations and Laboratory Analysis Results (µg/m^3)

HEG or H&P Sample Identification	Partner Sample Identification	Date Sampled	Commercial Ambient Air Screening Level (SL)	2.0	3.0	4,400
			Basis [A]	Note 3	RSL	Note 3
			Sample Description	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)
SC-7	SC-7	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-7 at Breathing Zone Height	**30**	**4.5**	**3.5**
SC-7	**SC-7**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-7 at Breathing Zone Height**	**9.0**	<1	NA
SC-8	SC-8	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-8 at Breathing Zone Height	**16**	<1	<1
SC-8	**SC-8**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-8 at Breathing Zone Height**	**6.8**	<1	NA
SC-9	SC-9	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-9 at Breathing Zone Height	**23**	<1	<1
SC-9	**SC-9**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-9 at Breathing Zone Height**	**9.0**	<1	NA
SC-10	SC-10	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-10 at Breathing Zone Height	**25**	<1	<1
SC-10	**SC-10**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-10 at Breathing Zone Height**	**14**	<1	NA
SC-11	SC-11	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-11 at Breathing Zone Height	**11**	<1	<1
SC-11	**SC-11**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-11 at Breathing Zone Height**	**7.8**	<1	NA
SC-12	SC-12	11/02/20	Interior, Adjacent to Prior Rincon Air Sampling Point SC-12 at Breathing Zone Height	**3.8**	<1	<1
SC-12	**SC-12**	**03/01/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-12 at Breathing Zone Height**	**2.5**	<1	NA
SC12-A	**SC-12**	**07/28/21**	**Interior, Adjacent to Prior Rincon Air Sampling Point SC-12 at Breathing Zone Height**	**18**	<1	NA
SSD-01	SSD-01	11/02/20	Exterior, Exhaust of SSD-01 Subsystem	**40**	**150**	**320**
SSD-02	SSD-02	11/02/20	Exterior, Exhaust of SSD-02 Subsystem	**12**	**220**	**100**
SSD-03	SSD-03	11/02/20	Exterior, Exhaust of SSD-03 Subsystem	**10**	**100**	**19**
SSD-04	SSD-04	11/02/20	Exterior, Exhaust of SSD-04 Subsystem	**10**	**160**	**230**
SSD-18	SSD-18	11/02/20	Exterior, Exhaust of SSD-18 Subsystem	**20**	**280**	**520**
SSD-19	SSD-19	11/02/20	Exterior, Exhaust of SSD-19 Subsystem	**5.4**	**110**	**10**
SSD-22	SSD-22	11/02/20	Exterior, Exhaust of SSD-22 Subsystem	<25	**330**	**300**
SSD-23	SSD-23	11/02/20	Exterior, Exhaust of SSD-23 Subsystem	**45**	**350**	**1,400**
SSD-24	SSD-24	11/02/20	Exterior, Exhaust of SSD-24 Subsystem	**5.2**	<1	<1
SSD-25	SSD-25	11/02/20	Exterior, Exhaust of SSD-25 Subsystem	**5.0**	<1	<1

Notes:
Orange highlighted concentrations exceed commercial ambient air SLs

[A]Most conservative SL between U.S. Environmental Protection Agency (EPA) RSLs (November 2020) and Department of Toxic Substances Control (DTSC) HERO Note 3 DTSC-SLs (June 2020)
µg/m^3 = micrograms per cubic meter
HEG = Hartman Environmental Geoscience
H&P = H&P Mobile Geochemistry, Inc.
< = not detected above indicated laboratory Reporting Limit (RL)
> = greater than indicated concentration (exceeded valid instrument calibration range)
NA = not available or applicable
Rincon = Rincon Consultants, Inc.
RSLs = Regional Screening Levels
HERO = Human and Ecological Risk Office

Table 2: Roof Materials Sampling Locations and Laboratory Analysis Results (mg/kg)

Sample Identification	Sample Location	Date Sampled	Sample Description	Tetrachloroethene (PCE)
PW	**34-CI**	**04/13/21**	**Plywood**	**15.0**
TP	**34-CI**	**04/13/21**	**Tar Paper or Similar**	**61.7**
FM	**34-CI**	**04/13/21**	**Foam**	**933**
PW-1	**30-CI**	**05/03/21**	**Plywood**	**10.4**
TP-1	**30-CI**	**05/03/21**	**Tar Paper or Similar**	**25.1**
FM-1	**30-CI**	**05/03/21**	**Foam**	**761**
PW-2	**16-CI**	**05/03/21**	**Plywood**	**0.005 J**
CM-2	**16-CI**	**05/03/21**	**Unidentified Material, Possibly Fiberglass**	**0.011 J**
Insulation	**NA**	**06/21/21**	**Insulation**	<0.005

Notes:
mg/kg = milligrams per kilogram
NA = not applicable
< = not detected above indicated laboratory Method Detection Limit (MDL)

FIGURES



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LEGEND:

PROPERTY LINE

NOTES:

35' 0' 35' 70'

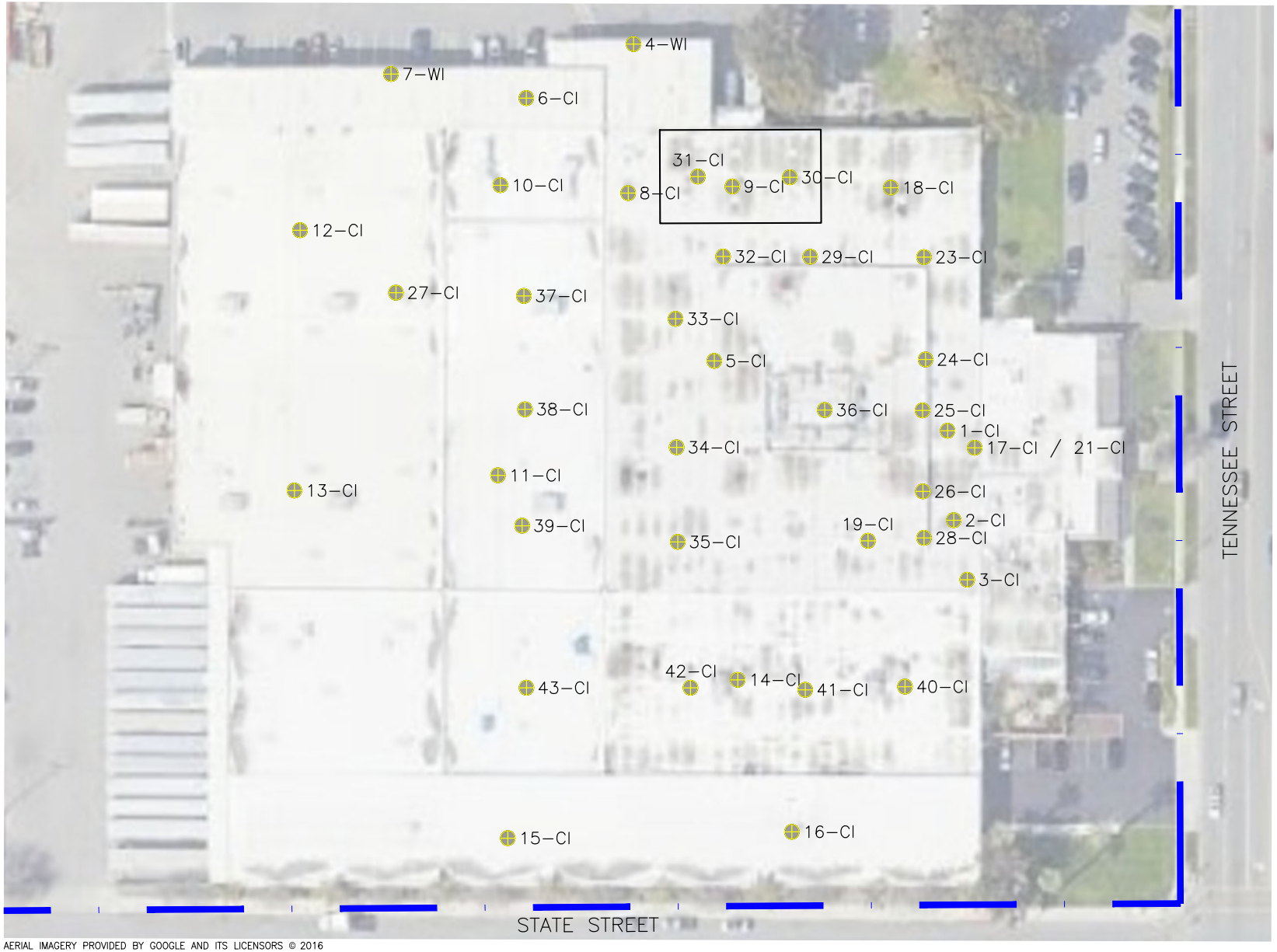
APPROXIMATE SCALE

TITLE: SITE PLAN			
FIGURE: 1	PREPARED BY: AS	DATE: OCTOBER 2021	PROJECT NUMBER: SM20-284007

ADDRESS:
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

Plotted:10/07/21 – 12:33 PM, By: rodolfo
Copyright Partner Engineering and Science, Inc., 2021



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LEGEND:

- PROPERTY LINE
- DISCRETE AIR SAMPLE
- PILOT TEST AREA

NOTES:

– SEE TABLE 1 FOR DESCRIPTION OF DISCRETE AIR SAMPLING LOCATIONS

N

25' 0' 25' 50'

APPROXIMATE SCALE

TITLE:
DISCRETE AIR SAMPLING LOCATIONS – CEILING SAMPLES

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
2A	RN	OCTOBER 2021	SM20–284007

ADDRESS:
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

Plotted:10/07/21 – 12:33 PM, By: rodolfo
File: R:\Assessments\Site Mitigation\20-284007 Former La-Z-Boy Redlands\3 Additional IAQ\Working Documents\Figures\CAD\SM20-284007 Site Plan v9.dwg, ---> Figure 2A – Discrete Ceiling
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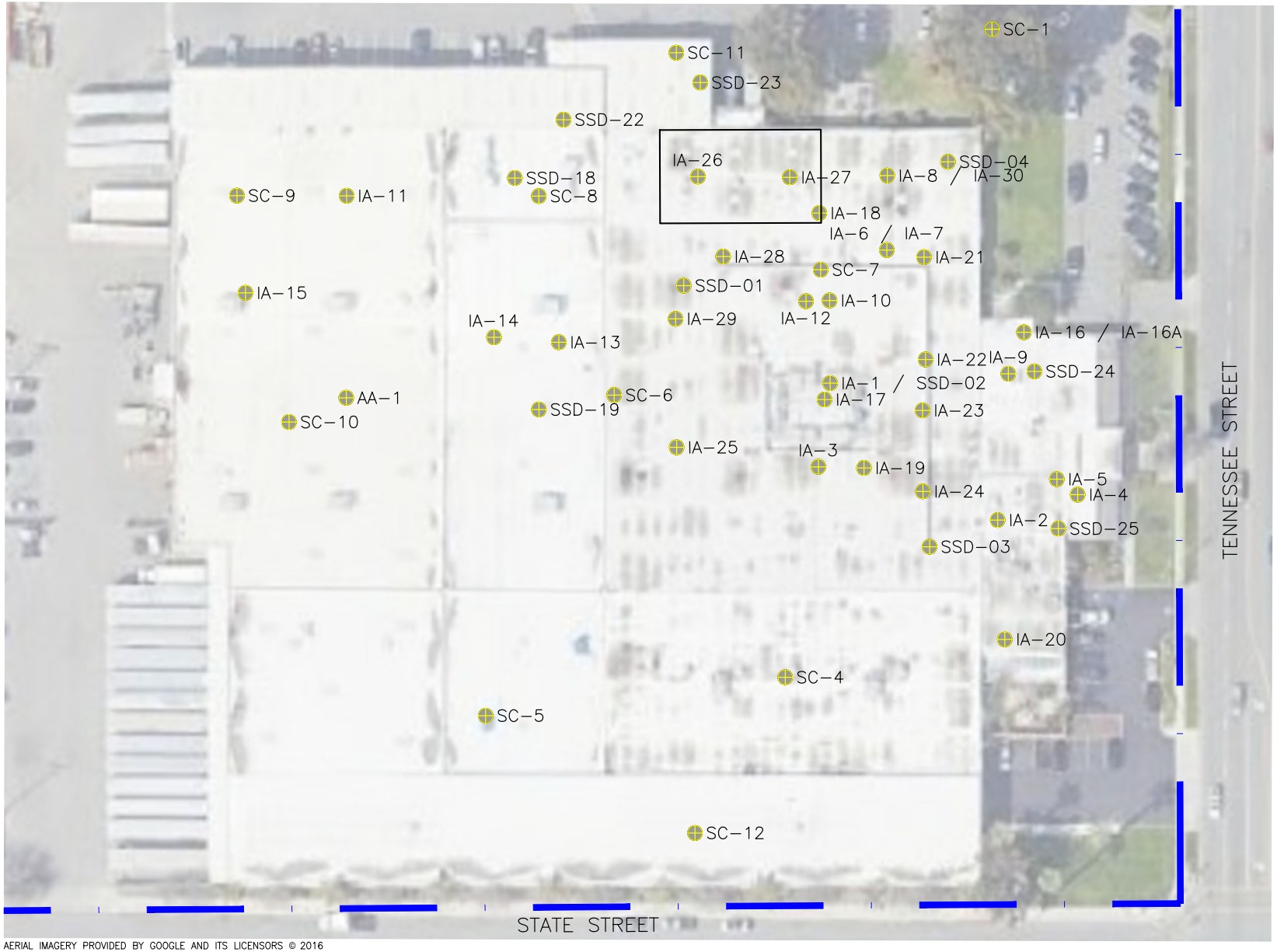

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LEGEND:

- PROPERTY LINE
- DISCRETE AIR SAMPLE
- PILOT TEST AREA

NOTES:

- SEE TABLE 1 FOR DESCRIPTION OF DISCRETE AIR SAMPLING LOCATIONS

N

25' 0' 25' 50'

APPROXIMATE SCALE

TITLE:
DISCRETE AIR SAMPLING LOCATIONS – OTHER SAMPLES

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
2B	RN	OCTOBER 2021	SM20-284007

ADDRESS:
301 TENNESSEE STREET
REDLANDS, CALIFORNIA 92373

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

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File: R:\Assessments\Site Mitigation\20-284007 Former La-Z-Boy Redlands\3 Additional IAQ\Working Documents\Figures\CAD\SM20-284007 Site Plan v9.dwg, ---> Figure 2B – Discrete Other
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APPENDIX A: DISCRETE AIR SAMPLE LABORATORY ANALYSIS REPORTS

HARTMAN
ENVIRONMENTAL GEOSCIENCE

Client: Partner E&S
Site: 301 Tennessee St., Redlands, CA
On-site EPA Method TO-14 Data from Air Samples
Instrument: SRI 8610 Gas Chromatograph with ECD
Operator: Blayne Hartman
Sample & Analysis Date: 3/1/2021

Sample ID	Sample Time	TCE (ug/m3)	PCE (ug/m3)	Comments
17-CI	11:46	ND	18	New insulation
SC-9	12:02	ND	9	
SC-7	12:10	ND	9	
SC-10	12:18	ND	14	
SC-6	12:33	ND	7.2	
SC-4	12:42	ND	3.8	
SC-5	12:49	ND	4.1	
SC-8	12:56	ND	6.8	
SC-11	13:03	ND	7.8	
SC-12	13:10	ND	2.5	
IA-6	13:18	ND	14	Ducting
Office HVAC	13:26	ND	5.5	Air Ducting Out of unit
SC-13	13:34	ND	11.6	
1A-7	13:41	ND	16	Ducting
IA-8	13:49	ND	13	Dust
IA-9	13:56	ND	8.4	Above drop ceiling
IA-10	14:04	ND	13	
IA-11	14:22	ND	11	
IA-12	14:30	ND	7.8	
IA-13	14:37	ND	10	
IA-16	14:50	ND	3.3	Office HVAC Filter
IA-14	14:58	ND	10	
IA-15	15:06	ND	9.3	
SC-14	15:12	ND	11	
CI-18	15:20	ND	24	
IA-17	15:43	ND	4.5	
IA-18	15:50	ND	8.0	
IA-19	16:00	ND	9.3	
CI-19	16:11	ND	14	
IA-20	16:18	ND	3.7	Cafeteria
CI-20	16:27	ND	8.1	Insulation in Ziplok bag
CI-21	16:34	ND	10.8	Wood Beam
Reporting Limit (ug/m3)		1.0	1.0	

ND indicates not detected at the reporting limits listed above

* Indicates result is biased low since concentration exceeded detector calibration range

HARTMAN
ENVIRONMENTAL GEOSCIENCE

Client: Partner E&S
Site: 301 Tennessee St., Redlands, CA
On-site EPA Method TO-14 Data from Air Samples
Instrument: SRI 8610 Gas Chromatograph with ECD
Operator: Blayne Hartman
Sample & Analysis Date: 3/2/2021

Sample ID	Sample Time	TCE (ug/m3)	PCE (ug/m3)	Comments
CI-22	7:35	ND	6.2	Insulation in Ziplock bag
IA-21	7:50	ND	9.6	
CI-23	7:59	ND	46*	
CI-24	8:08	ND	51*	
CI-25	8:24	ND	61*	
IA-22	8:33	ND	9.8	
IA-23	8:41	ND	9.5	
CI-25 Dup	8:49	ND	130	3x dilution
CI-18 Dup	8:58	ND	48*	
CI-17 Dup	9:08	ND	21	3x dilution
CI-26	9:17	ND	60	3x dilution
CI-27	9:25	ND	50*	
IA-24	9:33	ND	10	3x dilution
CI-27 Dup	9:58	ND	100	2x dilution
CI-26 Dup	10:07	ND	60	3x dilution
CI-28	10:17	ND	80	3x dilution
CI-29	10:25	ND	120	3x dilution
CI-30	10:33	ND	50	3x dilution
CI-31	10:41	ND	110	3x dilution
CI-32	10:50	ND	240*	3x dilution
CI-33	11:03	ND	65	5x dilution
CI-34	11:11	ND	300*	4x dilution
CI-35	11:20	ND	160	5x dilution
CI-36	11:29	ND	55	5x dilution
CI-32 Dup	11:37	ND	250	5x dilution
CI-34 Dup	11:46	ND	310	5x dilution
CI-37	12:16	ND	15	
CI-38	12:24	ND	10	
CI-39	12:31	ND	11	
CI-40	12:44	ND	64*	
CI-41	12:53	ND	120	5x dilution
CI-42	13:01	ND	60	5x dilution
CI-34b	13:10	ND	18	Below insulation
CI-34a	13:18	ND	300*	5x dilution, Above insulation
CI-34a Dup	13:34	ND	250	10x dilution, Above insulation
CI-43	13:46	ND	5.0	
Reporting Limit (ug/m3)		1.0	1.0	

ND indicates not detected at the reporting limits listed above

* Indicates result is biased low since concentration exceeded detector calibration range

Mobile Geochemistry Inc.

17 May 2021

Rodolfo Nadres
Partner Engineering and Science
2154 Torrance Boulevard, Suite 200
Torrance, CA 90501

H&P Project: PAR041921-MLA Rev
Client Project: 20-284007 / 301 Tennessee St

Dear Rodolfo Nadres:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 19-Apr-21 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Partner Engineering and Science	Project: PAR041921-MLA Rev	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	17-May-21 12:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IA-25	E104043-01	Vapor	19-Apr-21	19-Apr-21
CI-34C	E104043-02	Vapor	19-Apr-21	19-Apr-21
CI-34C REP	E104043-03	Vapor	19-Apr-21	19-Apr-21

May 17, 2021
This final has been revised to correct sample names.

H&P Mobile
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Carlsbad, CA 92010
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Partner Engineering and Science	Project: PAR041921-MLA Rev	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	17-May-21 12:57

DETECTIONS SUMMARY

Sample ID: **IA-25** Laboratory ID: **E104043-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.021**	0.020	ug/l	H&P 8260SV	

Sample ID: **CI-34C** Laboratory ID: **E104043-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**29**	0.40	ug/l	H&P 8260SV	

Sample ID: **CI-34C REP** Laboratory ID: **E104043-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**27**	0.40	ug/l	H&P 8260SV	

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Partner Engineering and Science	Project: PAR041921-MLA Rev	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	17-May-21 12:57

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IA-25 (E104043-01) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
Tetrachloroethene	**0.021**	0.020	ug/l	0.01	ED11910	19-Apr-21	19-Apr-21	H&P 8260SV	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*95.1 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	
CI-34C (E104043-02) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
Tetrachloroethene	**29**	0.40	ug/l	0.2	ED11910	19-Apr-21	19-Apr-21	H&P 8260SV	
Surrogate: Dibromofluoromethane		*114 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*120 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*85.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*75-125*		"	"	"	"	
CI-34C REP (E104043-03) Vapor Sampled: 19-Apr-21 Received: 19-Apr-21									
Tetrachloroethene	**27**	0.40	ug/l	0.2	ED11910	19-Apr-21	19-Apr-21	H&P 8260SV	
Surrogate: Dibromofluoromethane		*117 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*122 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*90.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

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Partner Engineering and Science	Project: PAR041921-MLA Rev	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	17-May-21 12:57

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11910 - EPA 5030										
Blank (ED11910-BLK1)				Prepared & Analyzed: 19-Apr-21						
Tetrachloroethene	ND	0.020	ug/l							
Surrogate: Dibromofluoromethane	*0.526*		"	*0.500*		*105*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.537*		"	*0.500*		*107*	*75-125*			
Surrogate: Toluene-d8	*0.448*		"	*0.500*		*89.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.508*		"	*0.500*		*102*	*75-125*			
LCS (ED11910-BS1)				Prepared & Analyzed: 19-Apr-21						
Tetrachloroethene	5.1	0.10	ug/l	5.00		102	70-130			
Surrogate: Dibromofluoromethane	*2.77*		"	*2.50*		*111*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.87*		"	*2.50*		*115*	*75-125*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.86*		"	*2.50*		*114*	*75-125*			

H&P Mobile
Geochemistry Inc.

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760-804-9678 Phone
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Partner Engineering and Science	Project: PAR041921-MLA Rev	
2154 Torrance Boulevard, Suite 200	Project Number: 20-284007 / 301 Tennessee St	Reported:
Torrance, CA 90501	Project Manager: Rodolfo Nadres	17-May-21 12:57

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

Mobile Geochemistry, Inc.
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VAPOR / AIR Chain of Custody

DATE: 4/19/21
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Partner Engineering and Science	Project Name / #: 20-284007
Lab Client Project Manager: Rodolfo Nandres	Project Location: 301 Tennessee St
Lab Client Address: 2154 Torrance Blvd, Suite 200	Report E-Mail(s): rodolfo@partnereng.com
Lab Client City, State, Zip: Torrance, CA, 90501	
Phone Number: 310-615-4500	

Reporting Requirements
- [x] Standard Report [ ] Level III [ ] Level IV
- [ ] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- [ ] **Rush** (specify):

Sampler Information
Sampler(s): Tan Le
Signature:
Date: 4/19/21

Sample Receipt (Lab Use Only)

Date Rec'd: 4/19/21	Control #: 21027600
H&P Project # PARC41921-MLA	
Lab Work Order # E104043	
Sample Intact: [ ] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
[ ] µg/L [ ] µg/m³ [ ] ppbv [ ] ppmv

5.17.21 Sample Names Revised lse

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs ~~Short List~~ / Project List [ ] 8260SV [ ] TO-15 PCE	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15	TPHv as Gas [ ] 8260SVm [ ] TO-15m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [ ] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2				
IA-25		4/19/21	1011	IA	G-S	339/993														
CI-34AC		"	~~1033~~ 1034	IA	G-S	87														
CI-34ACREP		"	~~1035~~ 1034	IA	G-S	287														

Approved/Relinquished by: Rodolfo Nandres	Company: Partner	Date: 4/19/21	Time: 1132	Received by:	Company: H&P	Date: 4/19/21	Time: 1135
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAR041921-ML Date: 4/19/2021

Site Address: 301 Tennessee St Page: 1 of 1

Consultant: Partner Engineering and Science H&P Rep(s): T. Le Reviewed: EC

Consultant Rep(s): *Rodolfo Nadres* Scanned: TTam 5

Equipment Info
Inline Gauge ID#:
Pump ID#:

Purge Volume Information
PV Amount: 3PV PV Includes: ☐ Tubing ☐ Sand 40% ☐ Dry Bent 50%

Leak Check Compound ☐ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Resample Key:
RS = Resample
RD = for Dilution
RL = lor LCC fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☐ H_2O
1	IA-25	332/333	100	10:11	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2	CI-34A	87	50	1034	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3	CI-34A cREP	287	50	1034	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	CI-34A cREPRS	332	50	1200	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	CI-34A cRS	333	50	1223	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6	lse 5.17.21																	
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
Air Samples – no purging

HARTMAN
ENVIRONMENTAL GEOSCIENCE

Client: Partner E&S
Site: 301 Tennessee St, Redlands
On-site EPA Method TO-14 Data from Air Samples
Instrument: SRI 8610 Gas Chromatograph with ECD
Operator: Clint Hartman
Date: 06/21/2021

Sample ID	Sample Time	TCE (ug/m3)	PCE (ug/m3)	Comments
CI-30-A	11:16	ND	30	
IA-26	11:23	ND	25	
CI-31-A	11:31	ND	30	
IA-27	11:42	ND	38	
IA-28	11:49	ND	18	
CI-32-A	11:57	ND	17	
IA-29	12:04	ND	8.0	
CI-34-D	12:12	ND	1800	100x Dilution
CI-34-D-2	12:22	ND	2000	10x Dilution
IA-25-A	12:31	ND	30	
IA-26-A	13:46	ND	35	
IA-27-A	13:50	ND	51	
CI-30-B	14:00	ND	53	
CI-31-B	14:07	ND	34	
Reporting Limit (ug/m3)		1.0	1.0	

ND indicates not detected at the reporting limits listed above

HARTMAN
ENVIRONMENTAL GEOSCIENCE

Client: Partner E&S
Site: 301 Tennessee St, Redlands
On-site EPA Method TO-14 Data from Air Samples
Instrument: SRI 8610 Gas Chromatograph with ECD
Operator: Blayne Hartman
Date: 07/28/2021

Sample ID	Sample Time	TCE (ug/m3)	PCE (ug/m3)	Comments
IA28-A	11:17	ND	40	
SC12-A	11:25	ND	18	
IA27-B	11:34	ND	16	
IA26-B	11:41	ND	8.0	
IA26-B #2	11:57	ND	8.4	
IA28-A #2	12:05	ND	43	
Reporting Limit (ug/m3)		1.0	1.0	
ND indicates not detected at the reporting limits listed above				

APPENDIX B: ROOF MATERIALS LABORATORY ANALYSIS REPORTS

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

04-19-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/301 Tennessee St., Redlands, CA
Sample Date: 04-13-2021
Lab Job No.: PA104027

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 04-13-2021 and analyzed by the following EPA methods:

EPA 8260B (PCE by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	Partner Engineering & Science	Lab Job No.:	PA104027
Project:	SM20-284007		
Project Site:	Former La-Z-Boy/301 Tennessee St., Redlands, CA	Date Sampled:	04-13-2021
Matrix:	Plywood/Tar Paper/Foam	Date Received:	04-13-2021
Batch No.:	0413-VOAS1	Date Analyzed:	04-13-2021
		Date Reported:	04-19-2021

EPA 8260B (PCE by GC/MS)
Reporting Units: mg/kg (ppm)

Lab ID	Method Blank	PA104027-1	PA104027-2	PA104027-3			MDL	PQL
Sample ID		PW	TP	FM				
DF	1	1,000	2,000	10,000				
Tetrachloroethene(PCE)	ND	15.0	61.7	933			0.002	0.005
SURROGATE	**%RC**	**%RC**	**%RC**	**%RC**			Accept Limit%	
Dibromofluoro-methane	97	93	95	97			79-126	
Toluene-d8	93	93	96	91			79-121	
Bromofluoro-benzene	87	90	97	87			71-131	

MDL=Method Detection Limit;
PQL=Practical Quantitation Limit;
DF=Dilution Factor;
ND=Not Detected (below DF × MDL);
* Obtained from a higher dilution analysis;
J=Result is between DF × MDL and DF × PQL .

04-19-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA104027
Project:	SM20-284007		
Matrix:	Solid	Lab Sample I.D.:	AI104022-1
Batch No:	0413-VOAS1	Date Analyzed:	04-13-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	21.8	22.6	109.0	113.0	3.6	30	70-130
Benzene	ND	20	19.6	20.6	98.0	103.0	5.0	30	70-130
Trichloro-ethene	ND	20	19.4	21.5	97.0	107.5	10.3	30	70-130
Toluene	ND	20	20.0	22.1	100.0	110.5	10.0	30	70-130
Chlorobenzene	ND	20	20.5	22.9	102.5	114.5	11.1	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	21.5	20.0	107.5	80-120
Benzene	19.7	20.0	98.5	80-120
Trichloro-ethene	20.0	20.0	100.0	80-120
Toluene	19.9	20.0	99.5	80-120
Chlorobenzene	20.5	20.0	102.5	80-120

ND: Not Detected (at the specified limit).

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA10K027

Client: partner engineering & science, inc.

Address: 2154 torrance blvd., suite 200, torrance, ca

Report Attention: rodolfo nadres | Phone: 3106154500 | Fax: | Sampled by: RN.

Project Name/No.: sm20-284007 | Project Site: former la-z-boy / 301 tennessee st., redlands, ca

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☑ Normal

Sample Condition: ☑ Chilled ☑ Intact ☐ Sample seals

Analyses Requested

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No.,type* & size of container	TPH-Gasoline	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B ~~(VOCs)~~ pce	8270C (SVOCs)	CAM Metals	8082 (PCBs)						Remark
PW	PA104027-1	4/13/21	11:30	[illegible]	ice	1x bag				X									plywood
TP	-2	↓	↓	[illegible]	↓	↓				X									tarpaper
FM	-3	↓	↓	[illegible]	↓	↓				X									foam

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	partner	4/13/21	3:55	Meilingi	ASC	4-13-21	3:55
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: A=Air Bag, G=Glass bottle, M=Metal Tube, P=Plastic bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: White with report, Yellow to courier.

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: Partner ESI Project: SM20-284007 Lab Job# PA104027

Date Received: 4-13-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice ✓ Ice Packs____ Packing Material_____

Cooler Temperature (°C) : #1: 4°C #2._____ #3:_____ #4:_____ #5_____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):_____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?			✓
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:_____

Section 4

Was the Project Manager notified of anomalies? Yes_____ No_____ N/A ✓

Via Phone: By: _____ Date/Time _____

By Email: Sent to:_____

Project Manager's response:_____

Completed by: ML Date: 4-13-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

05-07-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/300 Tennessee St., Redlands, CA
Sample Date: 05-03-2021
Lab Job No.: PA105001

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 05-03-2021 and analyzed by the following EPA methods:

EPA 8260B (PCE by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	Partner Engineering & Science	Lab Job No.:	PA105001
Project:	SM20-284007		
Project Site:	Former La-Z-Boy/300 Tennessee St., Redlands, CA	Date Sampled:	05-03-2021
Matrix:	Plywood/Tar Paper/Foam	Date Received:	05-03-2021
Batch No.:	0503-VOAS1	Date Analyzed:	05-03-2021
		Date Reported:	05-07-2021

EPA 8260B (PCE by GC/MS)
Reporting Units: mg/kg (ppm)

Lab ID	Method Blank	PA105001-1	PA105001-2	PA105001-3	PA105001-4	PA105001-5	MDL	PQL
Sample ID		PW-1	TP-1	FM-1	PW-2	CM-2		
DF	1	125	250	30,000	2	5		
Tetrachloroethene(PCE)	ND	**10.4**	**25.1**	**761**	**0.005J**	**0.011J**	0.002	0.005
SURROGATE	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	Accept Limit%	
Dibromofluoro-methane	100	93	95	94	88	89	79-126	
Toluene-d8	92	90	92	96	91	90	79-121	
Bromofluoro-benzene	87	91	92	89	91	87	71-131	

MDL=Method Detection Limit;
PQL=Practical Quantitation Limit;
DF=Dilution Factor;
ND=Not Detected (below DF × MDL);
* Obtained from a higher dilution analysis;
J=Result is between DF × MDL and DF × PQL .

05-07-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA105001
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	PA105002-1
Batch No:	0503-VOAS1	Date Analyzed:	05-03-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	19.0	19.0	95.0	95.0	0.0	30	70-130
Benzene	ND	20	17.5	17.9	87.5	89.5	2.3	30	70-130
Trichloro-ethene	ND	20	18.4	18.0	92.0	90.0	2.2	30	70-130
Toluene	ND	20	18.5	17.7	92.5	88.5	4.4	30	70-130
Chlorobenzene	ND	20	19.8	18.8	99.0	94.0	5.2	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	20.8	20.0	104.0	80-120
Benzene	19.7	20.0	98.5	80-120
Trichloro-ethene	20.5	20.0	102.5	80-120
Toluene	19.8	20.0	99.0	80-120
Chlorobenzene	20.9	20.0	104.5	80-120

ND: Not Detected (at the specified limit).

asc90703@gmail.com
16760 Gridley Road
Cerritos, CA 90703
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA105001

Client: **Partner Engineering and Science, Inc**

Address: **2154 Torrance Blvd, suite 200, Torrance, CA**

Report Attention	Phone	Fax	Sampled by
Rodolfo Nadres	**310--515-4500**		J. Pruet

Project Name/No.	Project Site
SM20-284007	Former La-Z-Boy/ 300 tennessee St. Redlands, CA

T.A.T. Requested: ☐ 8hrs ☐ 24 hrs ☐ 48hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample Seals

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserv	No.,type* & size of container	TPH-Gasoline	TPH-Diesel & Oil	EPA 8260B(PCE ONLY)	EPA 8270C (SVOCs)	EPA 6010B/7471A(CAM-17 Metals	EPA 8082 (PCBs)	Remark
PW-1	PA105001-1	5/3/21	810	See Notes					X				PLYWOOD
TP-1	-2	5/3/21	810	|					X				TAR PAPER
FM-1	-3	5/3/21	810	|					X				FOAM
PW-2	-4	5/3/21	802	|					X				PLYWOOD
~~CM-2~~ CM-2	-5	~~5/3/21~~	802	|					X				Ceiling Material ~~TAR PAPER~~
~~CM-2~~		~~5/3/21~~							~~X~~				~~FOAM~~

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	Partner ES	05/03/21	1019	Meiling	ASL	5-3-21	10:18
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=metal Tube; A=Air Bag; P=Plastic bottle; G=Glass bottle; V=VOA vial

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: Partner ESI Project: SM20-284007 Lab Job# PA105001

Date Received: 5-3-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice____ Ice Packs ✓ Packing Material____

Cooler Temperature (°C) : #1: 4°C #2:____ #3:____ #4:____ #5____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?			✓
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:____

Section 4

Was the Project Manager notified of anomalies? Yes____ No____ N/A ✓

Via Phone: By: ____ Date/Time ____

By Email: Sent to:____

Project Manager's response:____

Completed by: ML Date: 5-3-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

ALPHA SCIENTIFIC CORPORATION
Environmental Laboratories

06-28-2021

Mr. Rodolfo Nadres
Partner Engineering & Science
2154 Torrance Boulevard
Torrance, CA 90501

Project: SM20-284007
Project Site: Former La-Z-Boy/301 Tennessee St., Redlands, CA
Sample Date: 06-21-2021
Lab Job No.: PA106060

Dear Mr. Nadres:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 06-21-2021 and analyzed by the following EPA methods:

EPA 8260B (PCE by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA ELAP certified laboratory (Certificate Number 3007). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph.D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	Partner Engineering & Science	Lab Job No.:	PA106060
Project:	SM20-284007		
Project Site:	Former La-Z-Boy/301 Tennessee St., Redlands, CA	Date Sampled:	06-21-2021
Matrix:	Solid	Date Received:	06-21-2021
Batch No.:	0621-VOAS1	Date Analyzed:	06-21-2021
		Date Reported:	06-28-2021

EPA 8260B (PCE by GC/MS)
Reporting Units: mg/kg (ppm)

Lab ID	Method Blank	PA106060-1					MDL	PQL
Sample ID		Insulation						
DF	1	2.5						
Tetrachloroethene(PCE)	ND	ND					0.002	0.005
SURROGATE	**%RC**	**%RC**					Accept Limit%	
Dibromofluoro-methane	100	103					79-126	
Toluene-d8	93	96					79-121	
Bromofluoro-benzene	88	100					71-131	

MDL=Method Detection Limit;
PQL=Practical Quantitation Limit;
DF=Dilution Factor;
ND=Not Detected (below DF × MDL);
* Obtained from a higher dilution analysis;
J=Result is between DF × MDL and DF × PQL .

06-28-2021

EPA 8260B
Batch QA/QC Report

Client:	Partner Engineering & Science	Lab Job No.:	PA106060
Project:	SM20-284007		
Matrix:	Soil	Lab Sample I.D.:	SS106021-1
Batch No:	0621-VOAS1	Date Analyzed:	06-21-2021

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	19.2	20.2	96.0	101.0	5.1	30	70-130
Benzene	ND	20	16.8	19.0	84.0	95.0	12.3	30	70-130
Trichloro-ethene	ND	20	16.7	19.2	83.5	96.0	13.9	30	70-130
Toluene	ND	20	16.4	18.9	82.0	94.5	14.2	30	70-130
Chlorobenzene	ND	20	17.9	20.9	89.5	104.5	15.5	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	21.5	20.0	107.5	80-120
Benzene	20.0	20.0	100.0	80-120
Trichloro-ethene	19.8	20.0	99.0	80-120
Toluene	21.0	20.0	105.0	80-120
Chlorobenzene	21.3	20.0	106.5	80-120

ND: Not Detected (at the specified limit).

ALPHA SCIENTIFIC CORPORATION
CHAIN OF CUSTODY RECORD

Lab Job Number PA106060

| | | |

Alpha Scientific Corporation
Sample Acceptance Checklist

Section 1

Client: Partner ESI Project: La-Z-Boy SM20-284007 Lab Job# PA106060

Date Received: 6-21-21

Sample(s) received in cooler(s)? Yes ✓ No____ (skip to Section 2)

Cooler(s) packed with: Ice ✓ Ice Packs____ Packing Material____

Cooler Temperature (°C) : #1: 3°C #2:____ #3:____ #4:____ #5____

(Acceptable range is 0°C to 6°C or arriving on ice for samples received on the same day as collected.)

(Ambient Temperature for vapor or air samples is acceptable).

If sample(s) received outside acceptable range, Project Manager contacted by(Personnel Initial):____

Section 2	YES	NO	N/A
Was a COC received?	✓		
Were client sample IDs present?	✓		
Were sample(s) collection dates present?	✓		
Was the COC signed?	✓		
Were tests clearly indicated?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all container labels agree with COC?	✓		
Were correct containers used for the tests required?	✓		
Was there sufficient sample amount for requested tests?	✓		
Were the samples correctly preserved?	✓		
Was there headspace in VOA vials?			✓
Were Custody seals present?		✓	
If yes-were they intact?			✓

Section 3

Explanations/Comments:____

Section 4

Was the Project Manager notified of anomalies? Yes____ No____ N/A ✓

Via Phone: By: ____ Date/Time ____

By Email: Sent to:____

Project Manager's response:____

Completed by: ML Date: 6-21-21

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: asc90703@gmail.com
Tel: (562) 809-8880
Fax: (562) 809-8801

GSI Project No. 6127

April 1, 2022

Veronica Burgess
Real Estate Specialist
ACC BLD, LLC
P.O. Box 7538
Redlands, California 92375

Via Electronic mail: vburgess@esri.com

RE: Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Dear Ms. Burgess,

GSI Environmental Inc. (GSI) is submitting the results of a soil, soil vapor, and groundwater investigation conducted for ACC BLD, LLC (Client) for the property located at 301 Tennessee Street, Redlands, California ("the Site", Figures 1 and 2). The investigation activities were conducted between February 1 and February 7, 2022.

BACKGROUND

The Site is an approximately 8.2-acre property situated on the northwest corner of Tennessee Street and West State Street in the City of Redlands, California (Assessor's Parcel Number [APN]: 0292-192-11). The Site is currently developed with three buildings which formerly operated as the La-Z-Boy West Facility. The surrounding land use is mixed use industrial and commercial.

Previous Phase I Environmental Site Assessments (ESA) and Phase II (soil, groundwater, and soil vapor) investigations were conducted by RMT, Inc. (RMT), LOR Geotechnical Group, Inc. (LOR), and Partner Engineering and Science, Inc. (Partner).

Based on these investigations, historical Site use consisted of agricultural, residential, and/or industrial. The Site was developed as agricultural land (containing one residence) from at least 1930 until the mid-1960s, at which point the Site was developed for industrial/commercial use. The Site has remained vacant since the La-Z-Boy operations ceased reportedly in 2019.

The investigations have shown that the Site has been impacted with volatile organic compounds (VOCs), specifically trichloroethylene (TCE). A sub-slab depressurization (SSD) system has been installed and operated under the main building at the Site since 2020.

SAMPLING ACTIVITIES

To address concerns for groundwater quality and assess groundwater flow direction, GSI installed and surveyed two temporary groundwater monitoring wells (GSI-B1 and GSI-B2) to facilitate the collection of groundwater samples, as well as sampling existing groundwater monitoring well MW-1 (installed by Partner in January 2021). To address concerns of soil vapor impacts at the Site, GSI sampled soil vapor probes installed by Partner in January 2021 (vapor probe borings B1 through B16). The vapor probes were installed at 5 and 15 feet below ground surface (bgs) in borings B2 through B12 and B15 through B18 and at depths of 5, 15, 30, 50,

and 75 in boring B1. Additionally, the temporary groundwater monitoring wells, GSI-B1 and GSI-B2, were converted into semi-permanent soil vapor borings with vapor probes installed at 5, 15, 30, 50, 75, and 95 feet bgs. Boring logs for GSI-B1 and GSI-B2 are included as Attachment A.

Based on the Additional Site Characterization report by Partner dated June 23, 2021, groundwater at the Site was expected to be encountered at approximately 113 feet bgs. GSI measured depth to water at approximately 112.98 and 114.58 bgs at GSI-B1 and GSI-B2, respectively.

Sampling activities were conducted from February 1 to February 7, 2022. Underground Service Alert (USA) was notified prior to drilling activities. Additionally, a private geophysical survey company conducted an on-Site utility survey prior to initiating drilling activities. Drilling, soil sampling, and soil vapor probe installation was conducted by J&H Drilling Co., Inc. (dba MR Drilling) of Santa Fe Springs, California. Soil vapor sampling and analysis was conducted by A&R Laboratories, Inc. of Ontario, California. Groundwater sampling was conducted by GSI and Confluence Environmental Inc. of Sacramento, California.

Temporary Groundwater Monitoring Well Installation, Surveying, and Sampling

On February 1, 2022, soil borings GSI-B1 and GSI-B2 were drilled to assess the potential presence of contaminants in groundwater beneath the Site, as well as assess the direction of groundwater flow. A 2-inch Schedule 40 polyvinyl chloride (PVC) temporary well casing was installed at GSI-B1 to a depth of 130 feet bgs (10 feet below encountered groundwater). The temporary well was screened with a 0.020-inch slotted PVC screen from 120 to 130 feet bgs. A similarly designed temporary well casing was installed with a 10-foot screen, 10 feet below first-encountered groundwater to a depth of approximately 125.5 feet bgs in boring GSI-B2 (Figure 2). Each temporary groundwater monitoring well was backfilled with #2/12 filter pack sand in the annular space surrounding the screen from total depth to approximately 2 feet above the top of screen. The boring logs for GSI-B1 and GSI-B2 are included as Attachment A.

During drilling, recovered soil was screened for the presence of VOCs using a photoionization detector (PID). A total of 23 soil samples were collected from each temporary well using United States Environmental Protection Agency (US EPA) Method 5035 field preservation methods and select samples were analyzed for VOCs by US EPA Method 8260B.

Following the installation and backfilling of each temporary groundwater monitoring well, each well was developed through a process of surging and bailing until solid/fine materials were removed from the well. Approximately 40 gallons of groundwater was removed from each temporary well during development.

On February 2, 2022, the surveying subcontractor, KDM Meridian of Irvine, California, surveyed the two temporary groundwater monitoring wells (GSI-B1 and GSI-B2) and MW-1 (Attachment B) prior to collection of depth to water measurements. Groundwater samples were collected from GSI-B1 and GSI-B2 on February 2, 2022, by GSI and a groundwater sample was collected from previous monitoring well MW-1 on February 7, 2022, by Confluence Environmental. All groundwater samples were analyzed for VOCs by US EPA Method 8260B.

Soil Vapor Probe Installation and Sampling

Following the installation, survey, and groundwater sample collection, the two temporary groundwater monitoring wells (GSI-B1 and GSI-B2) were converted into semi-permanent nested soil vapor probes with 6-inch stainless steel probe inlets at 5, 15, 30, 50, 75, and 95 feet bgs. Temporary groundwater well casing was removed, and annular material was over drilled to 130

feet bgs. Soil vapor probe construction consisted of 6-inch probes attached to a 1-inch PVC centralizer pipe. Probes were centered in 1 foot of #2/12 filter pack sand, followed by 1 foot of dry granular bentonite, 4 feet of hydrated bentonite chips, and cement-bentonite grout to the next sand and probe interval. On February 7, 2022, A&R Laboratories collected soil vapor samples from each probe within the converted borings (Figure 2) following a 48-hour stabilization period and in accordance with the July 2015 California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC) Advisory for Active Soil Gas Investigation (Advisory).

Partner's soil vapor borings B1 through B12 and B15 through B18 were sampled for VOCs by A&R Laboratories on February 1 and 2, 2022. Soil vapor samples were collected in accordance with the Advisory and analyzed for VOCs by US EPA Method 8260B.

INVESTIGATION RESULTS

The lithology and groundwater flow direction are presented in this section. The soil, soil vapor, and groundwater analytical results were compared to risk-based screening levels (RBSLs), including California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC) modified screening levels (SLs)[1], US EPA regional screening levels (RSLs), and California State Water Resources Control Board (SWRCB) maximum contaminant levels (MCLs) for groundwater.

Lithology and Groundwater Flow Direction

Observations of lithology documented during drilling indicates that the Site is generally underlain by poorly graded sands, silty sands, and silty sands with gravel and occasional units containing larger percentages of medium plasticity fines in GSI-B1. While drilling, groundwater was encountered at approximately 119.5 feet bgs in GSI-B1 and 115 feet bgs in GSI-B2. After the installation of the temporary monitoring wells, groundwater was measured at 112.98 bgs in GSI-B1 and 114.58 in GSI-B2 (indicating confining conditions). Perched groundwater was encountered at GSI-B2 between approximately 95 and 101 feet bgs above a fine grade clay unit. The groundwater elevation at GSB-1 is 0.1 feet lower than MW-1 and 4.7 feet lower than GSB-2, indicating that groundwater level at GSB-2 is impacted by the perched water bearing zone and/or confining conditions. Based on these conditions, groundwater flow direction is inferred to be towards west/southwest.

Soil Analytical Results

A total of 23 soil samples were collected from each soil boring (GSI-B1 and GSI-B2) at 5-foot intervals. Select soil samples (5, 15, 25, 35, 45, 55, 65, 75, 85, 95, 105, and 115 feet bgs from each boring) were analyzed for VOCs by US EPA Method 8260B. VOCs were not detected above laboratory reporting limits in the soil samples analyzed from borings GSI-B1 and GSI-B2. The analytical results are summarized in Table 1 and the laboratory analytical reports are included in Attachment B.

Soil Vapor Analytical Results from Existing Vapor Probes

Soil vapor samples were collected from 5 and 15 feet bgs at the seven existing vapor probes inside the two buildings (B10 through B12, and B15 through B18) and from nine existing vapor probes in the parking lots and driveways (B1 through B9). Soil vapor samples were also collected from depths of 30, 50, 75, and 95 feet bgs from soil vapor boring B1 (in the vicinity of

[1] In accordance with recommendations from DTSC HHRA Note 3 (Cal/EPA, 2020)

groundwater monitoring well MW-1). Soil vapor samples were collected and analyzed by A&R's mobile laboratory for VOCs by US EPA Method 8260B. The sampling locations are shown on Figure 2 and TCE concentrations, the primary constituent of concern, are shown on Figure 3. The results of soil vapor analysis are presented in Table 2 and the laboratory analytical reports are included in Attachment D.

VOCs detected above laboratory reporting limits in soil vapor include chloroform, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), TCE, 1,1,1-trichloroethane (1,1,1-TCA) and 1,1,2-trichloroethane (1,1,2-TCA). The analytical results of soil vapor samples were compared to their respective DTSC-modified SLs. Samples collected from multiple depths within boring B1 contained concentrations of chloroform, 1,1-DCA, and TCE above their respective commercial/industrial soil vapor SLs and the 15-foot sample from vapor probe B18 contained concentrations of TCE above future residential DTSC SL.

Soil Vapor Analytical Results from Newly Installed Vapor Probes

Soil vapor samples were collected from probes installed in the temporary groundwater monitoring wells (GSI-B1 and GSI-B2) at 5, 15, 30, 50, 75, and 95 feet bgs. The vapor samples were analyzed at the A&R's mobile laboratory at the Site for VOCs by US EPA Method 8260B. The soil vapor analytical results are summarized in Table 2 and shown on Figure 3. No VOCs were reported above laboratory reporting limits in the vapor probes installed in boring GSI-B2. Soil vapor VOCs detected above laboratory reporting limits in GSI-B1 include chloroform, 1,1-DCE, and TCE, all below their respective DTSC commercial/industrial SLs. The laboratory analytical reports are included in Attachment D.

Groundwater Analytical Results from Newly Installed Temporary Wells and MW-1

Groundwater samples were collected from temporary groundwater monitoring wells, GSI-B1 and GSI-B2, as well as groundwater monitoring well MW-1. Groundwater samples were analyzed for VOCs by US EPA Method 8260B. VOCs were below laboratory reporting limits in groundwater samples collected from GSI-B1 and GSI-B2. Five VOCs (1,1-DCA, 1,1-DCE, cis-1,2-DCE, 1,1,1-TCA, and TCE) were reported above laboratory reporting limits in groundwater samples collected from MW-1. The groundwater concentration of 1,1-DCE, 1,1-DCA, and TCE in the sample collected from MW-1 were slightly above their respective Federal and California MCLs for drinking water. The groundwater results are summarized in Table 3 and shown on Figure 4. The laboratory analytical reports are included in Attachment E.

SUMMARY AND RECOMMENDATIONS

Based on the results of the soil and soil vapor sampling presented herein, it is GSI's professional opinion that the Site meets commercial screening criteria for soil and soil vapor.

The results of the soil, soil vapor, and groundwater investigations conducted by GSI, and others indicate the presence of a limited VOC-impacted area in the northern portion of the property, in the vicinity of groundwater monitoring well MW-1. The VOC concentrations in soil and soil vapor have slightly impacted the groundwater.

It is GSI's professional opinion that implementation of a soil vapor extraction (SVE) system to address the VOC impacts to depths of approximately 100 feet should be installed for remediation of soil and soil vapor in the northern portion of the Site. The existing sub-slab depressurization system (which is currently addressing shallow soil vapor impacts under the building) can be connected to the proposed SVE unit to simultaneously operate, remediating soil vapors from the deeper impacted area in the northern portion of the Site. It is also GSI's

professional opinion that the low VOC concentrations observed in the groundwater monitoring well MW-1 does not warrant active groundwater remediation. Additionally, GSI recommends implementing a monitoring program for well MW-1 to demonstrate natural attenuation of the VOCs, in conjunction with the SVE implementation.

Please feel free to contact either of the undersigned if you have any questions.

Sincerely,



Farid Achour, PhD. PG.
Principal Hydrogeologist

Bita Tabatabai, PE
Principal Engineer

Figure 1: Site Location Map
Figure 2: Groundwater and Soil Gas Sampling Locations
Figure 3: Soil Vapor Analytical Results
Figure 4: Groundwater Analytical Results and Flow Direction

Table 1: Soil Analytical Results
Table 2: Soil Vapor Analytical Results
Table 3: Groundwater Samples Analytical Results

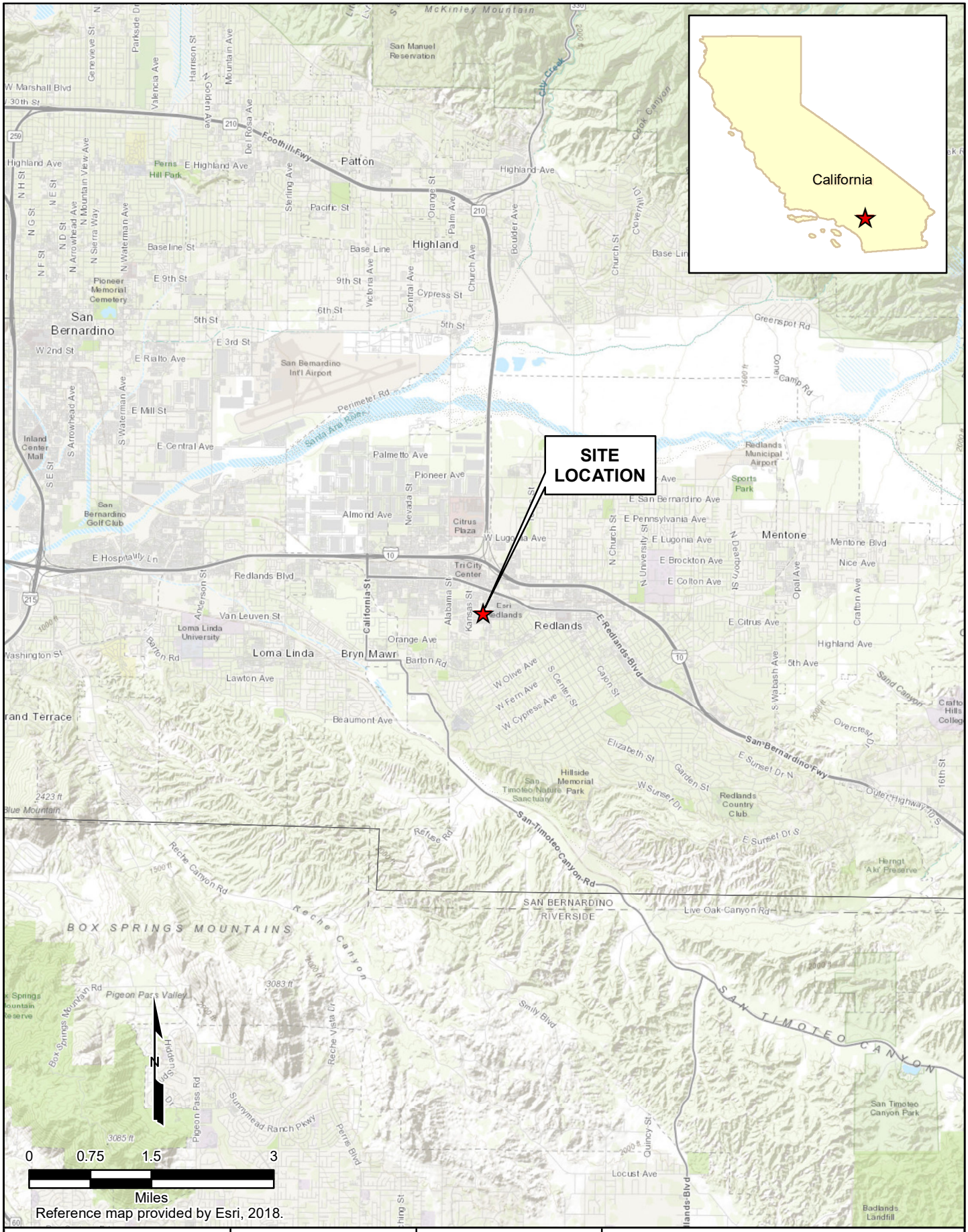
Attachment A: Boring Logs
Attachment B: Survey Report
Attachment C: Soil Analytical Reports
Attachment D: Soil Vapor Analytical Reports
Attachment E: Groundwater Analytical Reports

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

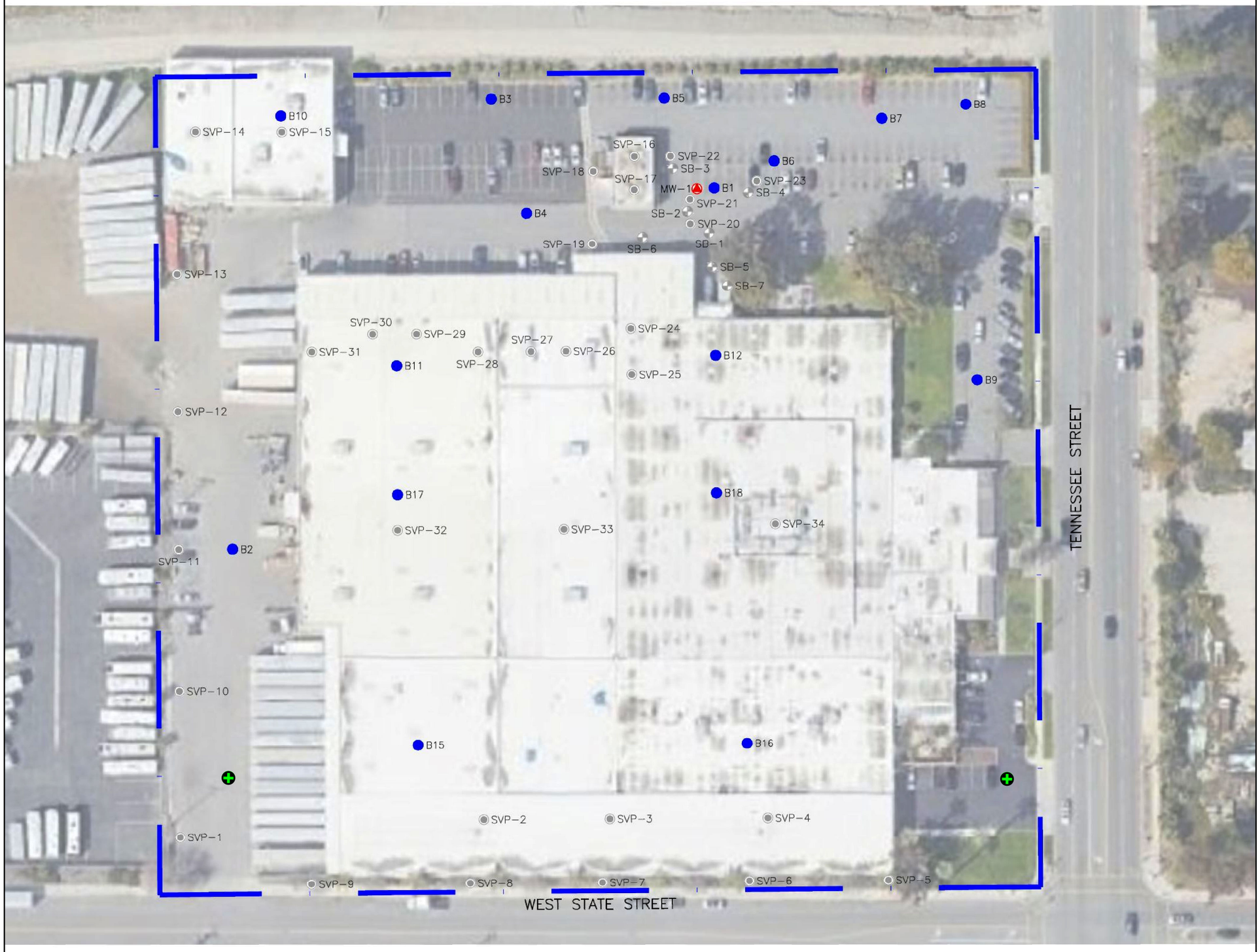
FIGURES

Figure 1: Site Location Map
Figure 2: Groundwater and Soil Gas Sampling Locations
Figure 3: Soil Vapor Analytical Results
Figure 4: Groundwater Analytical Results and Flow Direction



Reference map provided by Esri, 2018.

GSI ENVIRONMENTAL	GSI Job No. 6127	Drawn by: XO	**SITE LOCATION MAP**
	Issued: 2-Mar-2022	Chk'd by: BT	
	Revised:	Aprv'd by: FA	301 Tennessee Street, Redlands, California
	Map ID: 6127_SiteLocMap	**FIGURE 1**	



N

LEGEND

- Property Line
- Grab Groundwater (Temporary) Sampling Location
- Prior Boring (RMT, 1994)
- Prior Boring (LOR, 2019)
- Soil Gas Probe (Partner, 2021)
- Monitoring Well (Partner, 2021)

Notes

1) Aerial imagery provided by Esri ArcGIS Online, 2020.
2) Reference report: "Additional Site Characterization Report", Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373, Partner, June 23 2021.

SCALE (Feet)
0 35 70

Projected Coordinate System
Datum: NAD83
State Plane California Zone V
Units: Feet

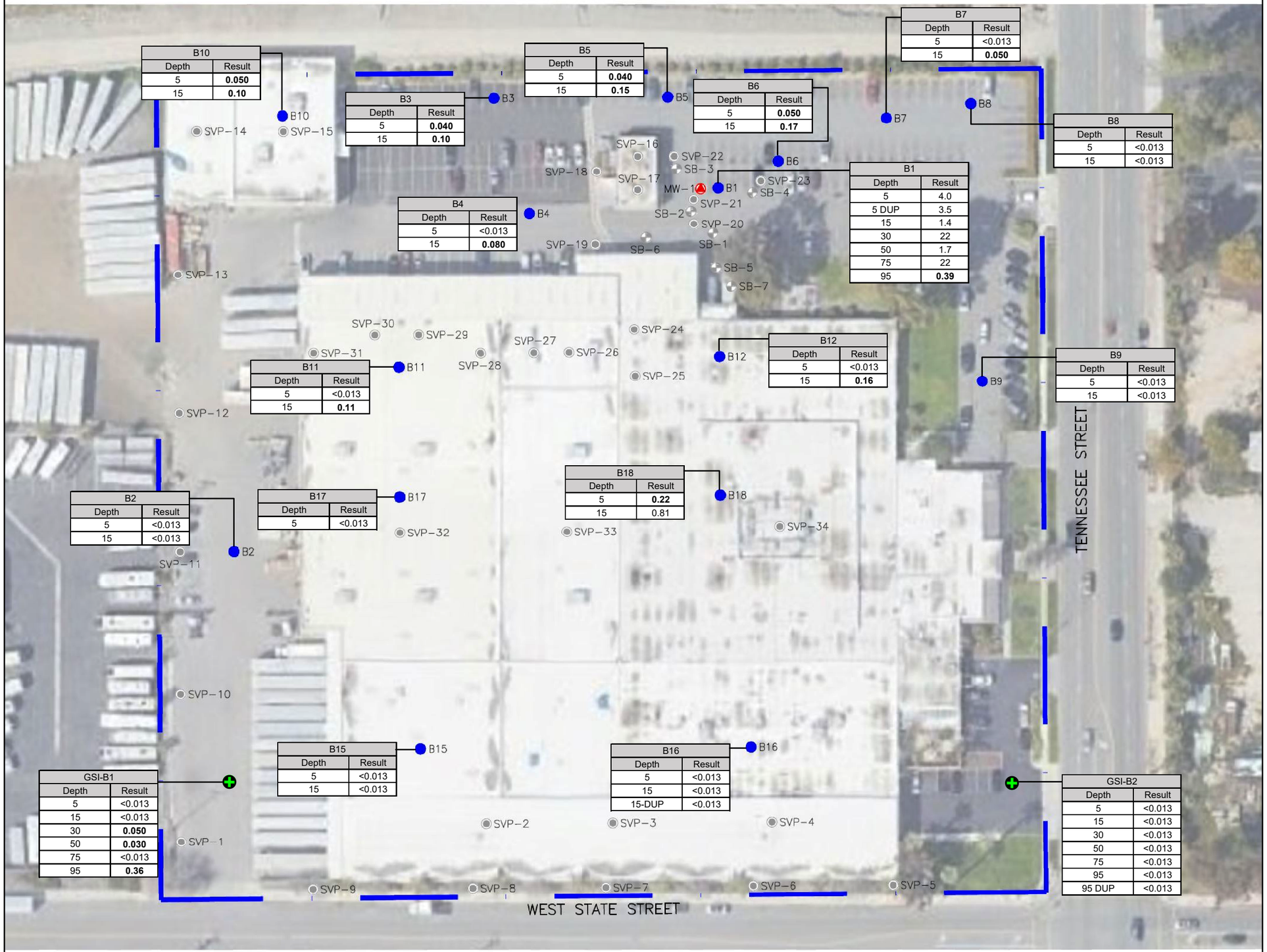
GSI ENVIRONMENTAL

GROUNDWATER AND SOIL GAS SAMPLING LOCATIONS

301 Tennessee Street, Redlands, California

GSI Job No.	6127	Drawn By:	AV
Issued:	2-Mar-2022	Chk'd By:	BT
Map ID:	**PropSamples**	Appv'd By:	FA

FIGURE 2



LEGEND

- Property Line
- Grab Groundwater (Temporary) Sampling Location
- Prior Boring (RMT, 1994)
- Prior Boring (LOR, 2019)
- Soil Gas Probe (Partner, 2021)
- Monitoring Well (Partner, 2021)

Notes

1) Aerial imagery provided by Esri ArcGIS Online, 2020.
2) Reference report: "Additional Site Characterization Report", Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373, Partner, June 23 2021.
3) TCE Concentrations in µg/L.

SCALE (Feet)
0 35 70

Projected Coordinate System
Datum: NAD83
State Plane California Zone V
Units: Feet

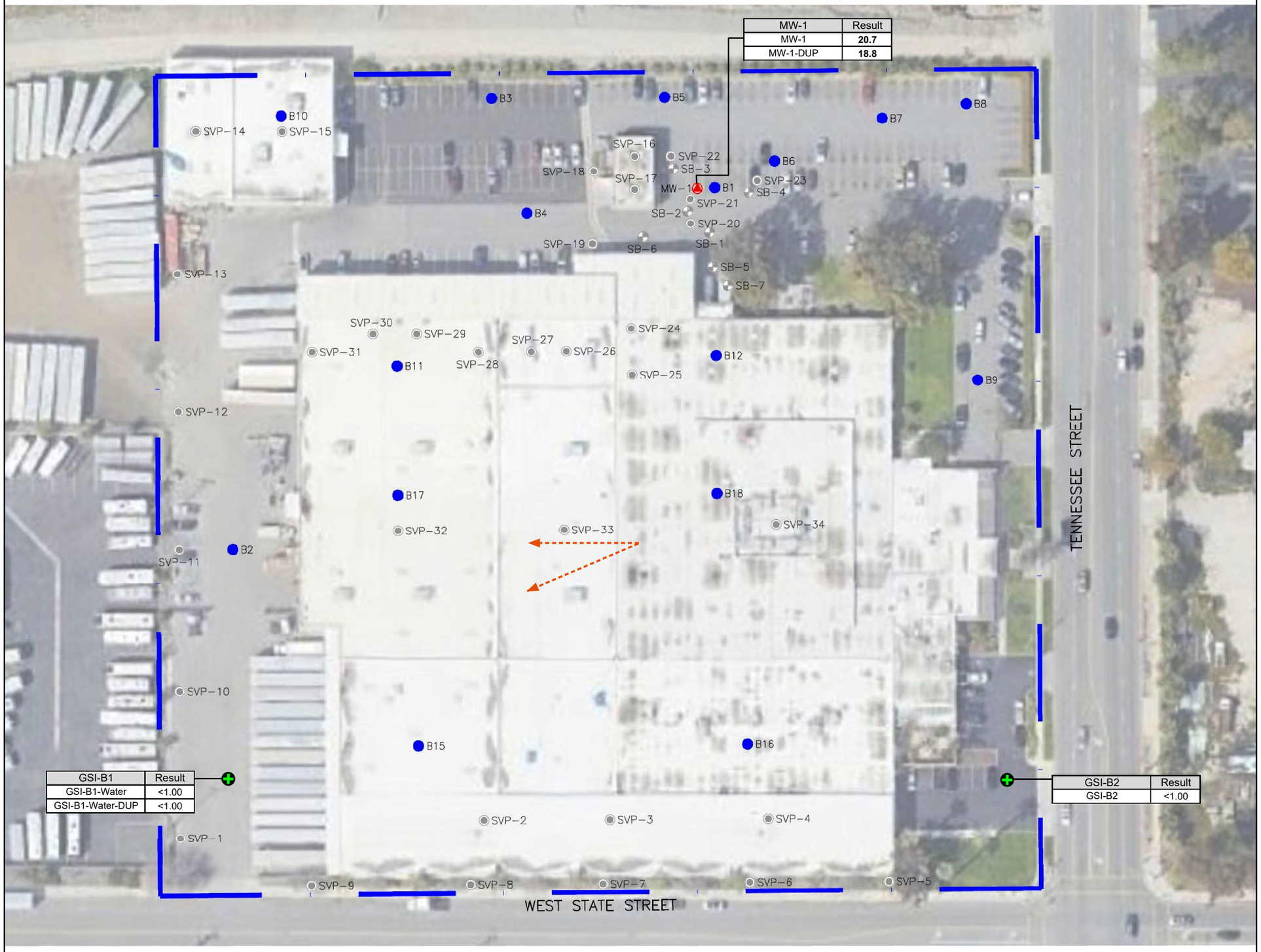
GSI ENVIRONMENTAL

TCE CONCENTRATIONS IN SOIL VAPOR

301 Tennessee Street, Redlands, California

GSI Job No.	6127	Drawn By:	XO
Issued:	3-Mar-2022	Chk'd By:	BT
Map ID:	**6127_SV_Samples**	Appv'd By:	FA

FIGURE 3



LEGEND

- Property Line
- Grab Groundwater (Temporary) Sampling Location
- Prior Boring (RMT, 1994)
- Prior Boring (LOR, 2019)
- Soil Gas Probe (Partner, 2021)
- Monitoring Well (Partner, 2021)
- Inferred Flow Direction

Notes

1) Aerial imagery provided by Esri ArcGIS Online, 2020.
2) Reference report: "Additional Site Characterization Report", Former La-Z-Boy West Facility, 301 Tennessee Street, Redlands, California 92373, Partner, June 23 2021.
3) TCE Concentrations in µg/L.

SCALE (Feet)
0 35 70

Projected Coordinate System
Datum: NAD83
State Plane California Zone V
Units: Feet

GSI ENVIRONMENTAL

TCE CONCENTRATION IN GROUNDWATER AND INFERRED GROUNDWATER FLOW DIRECTION

301 Tennessee Street, Redlands, California

GSI Job No.	6127	Drawn By:	XO
Issued:	3-Mar-2022	Chk'd By:	BT
Map ID:	**6127_GW_Samples**	Appv'd By:	FA

FIGURE 4

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

TABLES

Table 1: Soil Analytical Results
Table 2: Soil Vapor Analytical Results
Table 3: Groundwater Samples Analytical Results

GSI ENVIRONMENTAL

Table 1: Soil Analytical Results
301 Tennessee Street, Redlands, California

Boring	Sample Name	Date Collected	Probe Depth feet bgs	Benzene	1,1-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	Naphthalene	Tetrachloro-ethene	Toluene	1,1,1-Trichloro-ethane	Trichloro-ethene	m,p-Xylene	o-Xylene	All other VOCs
				micrograms per kilogram (µg/kg)											
GSI-B1	GSI-B1-5	2/1/2022	5	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-15	2/1/2022	15	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-25	2/1/2022	25	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-35	2/1/2022	35	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-45	2/1/2022	45	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-55	2/1/2022	55	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-65	2/1/2022	65	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-75	2/1/2022	75	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-85	2/1/2022	85	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-95	2/1/2022	95	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-105	2/1/2022	105	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B1	GSI-B1-115	2/1/2022	115	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-5	2/1/2022	5	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-15	2/1/2022	15	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-25	2/1/2022	25	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-35	2/1/2022	35	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-45	2/1/2022	45	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-55	2/1/2022	55	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-65	2/1/2022	65	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-75	2/1/2022	75	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-85	2/1/2022	85	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-95	2/1/2022	95	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
GSI-B2	GSI-B2-105	2/1/2022	105	<2.00	<4.00	<4.00	<4.00	<4.00	<4.00	<2.00	<4.00	<4.00	<2.00	<2.00	ND
Maximum Detected Concentration				**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Direct Contact Screening Criteria [1]															
DTSC-recommended SL - Residential Soil				330	3,600	83,000	18,000	2,000	590	1,100,000	1,700,000	940	550,000	650,000	NA
DTSC-recommended SL - Commercial/industrial Soil				1,400	16,000	350,000	84,000	6,500	2,700	5,300,000	7,200,000	6,000	2,400,000	2,800,000	NA

Notes:

Soil samples collected by GSI Environmental using U.S. Environmental Protection Agency (USEPA) Method 5035 and analyzed by Positive Lab Service for volatile organic compounds (VOCs) by USEPA Method 8260B.

1. Screening Levels (SLs) published by USEPA (2021) and endorsed or modified by the Department of Toxic Substances Control (DTSC, 2020).

Abbreviations:

< = analyte not detected above the reporting limit shown
bgs = below ground surface
ND = not detected
NP = not published
VOC = volatile organic compound
bold = analyte is detected above a screening level

References:

USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2021. Regional Screening Levels (RSLs). November.
DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2020. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). June.

TABLE 2
SOIL VAPOR ANALYTICAL RESULTS
301 Tennessee Street, Redlands, California

GSI ENVIRONMENTAL

Boring	Sample Name	Date Collected	Probe Depth	Chloro-ethane	Chloroform	1,1-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	Tetrachloro-ethene	Toluene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene	All other VOCs
			feet bgs	micrograms per liter (µg/L)										
GSI-B1-5	SVP1-5	2/7/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B1-15	SVP1-15	2/7/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B1-30	SVP1-30	2/7/2022	30	<0.013	<0.013	<0.013	**0.10**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.050**	ND
GSI-B1-50	SVP1-50	2/7/2022	50	<0.013	<0.013	<0.013	**0.10**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.030**	ND
GSI-B1-75	SVP1-75	2/7/2022	75	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B1-95	SVP1-95	2/7/2022	95	<0.013	<0.013	<0.013	**1.7**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.36**	ND
GSI-B2-5	SVP2-5	2/7/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-15	SVP2-15	2/7/2022	15	<0.013	**0.030**	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-30	SVP2-30	2/7/2022	30	<0.013	**0.070**	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-50	SVP2-50	2/7/2022	50	<0.013	**0.080**	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-75	SVP2-75	2/7/2022	75	<0.013	**0.060**	<0.013	**0.020**	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-95	SVP2-95	2/7/2022	95	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
GSI-B2-95	SVP2-95 DUP	2/7/2022	95	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B1	B1-5	2/1/2022	5	<0.013	0.050	**3.4**	**7.9**	**0.24**	**0.080**	<0.013	**18**	**0.090**	**4.0**	ND
B1	B1-5 DUP	2/1/2022	5	<0.13	<0.13	**4.0**	**5.8**	**0.21**	<0.13	<0.13	**19**	<0.13	**3.5**	ND
B1	B1-15	2/1/2022	15	<0.25	<0.25	**1.8**	**6.0**	<0.25	<0.25	<0.25	**21**	<0.25	**1.4**	ND
B1	B1-30	2/1/2022	30	<2.5	<2.5	**18**	**44**	<2.5	<2.5	<2.5	**36**	<2.5	**22**	ND
B1	B1-50	2/1/2022	50	<1.3	<1.3	<1.3	**4.8**	<1.3	<1.3	<1.3	**19**	<1.3	**1.7**	ND
B1	B1-75	2/1/2022	75	<0.25	**0.66**	**6.2**	**23**	**1.3**	**0.33**	<0.25	**6.5**	<0.25	**22**	ND
B1	MW-1-95	2/7/2022	95	<0.013	<0.013	**0.060**	**0.80**	<0.013	<0.013	<0.013	**0.080**	<0.013	**0.39**	ND
B2	B2-5	2/1/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B2	B2-15	2/1/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B3	B3-5	2/1/2022	5	<0.013	<0.013	<0.013	**0.020**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.040**	ND
B3	B3-15	2/1/2022	15	<0.013	0.030	<0.013	**0.040**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.10**	ND
B4	B4-5	2/1/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B4	B4-15	2/1/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	**0.080**	ND
B5	B5-5	2/1/2022	5	<0.013	<0.013	<0.013	**0.030**	<0.013	<0.013	<0.013	**0.040**	<0.013	**0.040**	ND
B5	B5-15	2/1/2022	15	<0.013	0.050	**0.050**	**0.18**	<0.013	<0.013	<0.013	**0.090**	<0.013	**0.15**	ND
B6	B6-5	2/1/2022	5	<0.013	<0.013	<0.013	**0.060**	<0.013	<0.013	<0.013	**0.060**	<0.013	**0.050**	ND
B6	B6-15	2/1/2022	15	<0.013	<0.013	**0.10**	**0.17**	<0.013	<0.013	<0.013	**0.30**	<0.013	**0.17**	ND
B7	B7-5	2/1/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B7	B7-15	2/1/2022	15	<0.013	<0.013	<0.013	**0.040**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.050**	ND
B8	B8-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B8	B8-15	2/2/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B9	B9-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B9	B9-15	2/2/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B10	B10-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	**0.050**	ND
B10	B10-15	2/2/2022	15	<0.013	<0.013	<0.013	**0.040**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.10**	ND
B11	B11-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B11	B11-15	2/2/2022	15	<0.013	<0.013	<0.013	**0.050**	<0.013	<0.013	<0.013	<0.013	<0.013	**0.11**	ND
B12	B12-5	2/2/2022	5	<0.013	<0.013	<0.013	**0.060**	<0.013	<0.013	<0.013	**0.10**	<0.013	<0.013	ND
B12	B12-15	2/2/2022	15	<0.013	<0.013	**0.15**	**0.20**	<0.013	<0.013	<0.013	**2.6**	<0.013	**0.16**	ND
B15	B15-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B15	B15-15	2/2/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B16	B16-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	**0.020**	<0.013	<0.013	ND
B16	B16-15	2/2/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B16	B16-15 DUP	2/2/2022	15	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B17	B17-5	2/2/2022	5	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ND
B18	B18-5	2/2/2022	5	<0.013	<0.013	**0.020**	**0.11**	<0.013	<0.013	<0.013	**0.12**	<0.013	**0.22**	ND
B18	B18-15	2/2/2022	15	<0.013	<0.013	**0.26**	**0.67**	**0.040**	<0.013	<0.013	**1.8**	<0.013	**0.81**	ND
Maximum Detected Concentration				**0**	**0.66**	**18**	**44**	**1.3**	**0.33**	**ND**	**36**	**0.09**	**22**	**ND**
Vapor Intrusion Screening Criteria [2]														
DTSC-recommended SL - Residential Use				10,000	0.12	1.8	73	8.3	0.46	310	1,000	0.18	0.48	NA
DTSC-recommended SL - Commercial/industrial Use				44,000	0.5	7.7	310	35	2.0	1,300	4,400	0.77	3.0	NA

TABLE 2
SOIL VAPOR ANALYTICAL RESULTS
301 Tennessee Street, Redlands, California

GSI ENVIRONMENTAL

Boring	Sample Name	Date Collected	Probe Depth	Chloro-ethane	Chloroform	1,1-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	Tetrachloro-ethene	Toluene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene	All other VOCs
			feet bgs	micrograms per liter (µg/L)										

Notes:
Soil vapor samples collected and analyzed by A&R Laboratories for volatile organic compounds using U.S. Environmental Protection Agency (USEPA) Method 8260B.

1. Screening levels (SLs) recommended by the Department of Toxic Substances Control (DTSC) for soil vapor were calculated by applying the DTSC default soil vapor attenuation factors for future residential (0.001) and existing commercial use (0.001; DTSC, 2011) to the residential and commercial air Regional Screening Levels published by USEPA (2020) and endorsed or modified by DTSC (2020).

Abbreviations:
VOC = volatile organic compound
< = analyte not detected above the reporting limit shown
bgs = below ground surface
µg/L = micrograms per liter
NA = not applicable (leak test corr
ND = not detected

References:
DTSC. 2011. Final, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October.
DTSC. 2020. Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs). Office of Human and Ecological Risk. June.
USEPA. 2020. Regional Screening Levels. November.

GSI ENVIRONMENTAL

Table 3: Groundwater Samples Analytical Results
301 Tennessee Street, Redlands, California

Boring	Sample Name	Date Collected	Benzene	1,1-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	Tetrachloro-ethene	Toluene	1,1,1-Trichloro-ethane	Trichloro-ethene	Vinyl Chloride	m,p-Xylene	o-Xylene	All other VOCs
			micrograms per liter (µg/L)											
GSI-B1	GSI-B1-WATER	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<1.00	<1.00	ND
GSI-B1	GSI-B1-WATER DUP	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<1.00	<1.00	ND
GSI-B2	GSI-B1-WATER	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<1.00	<1.00	ND
MW-1	MW-1	2/7/2022	<1.0	**5.00**	**11.5**	**1.70**	<1.00	<1.00	**1.03**	**20.7**	<0.500	<1.00	<1.00	ND
MW-1	MW-1-DUP	2/7/2022	<1.0	**4.74**	**9.82**	**1.59**	<1.00	<1.00	<1.00	**18.8**	<0.500	<1.00	<1.00	ND
Groundwater Protection - Drinking Water Standards [1]														
Federal MCL			5	NP	7	70	5	1,000	200	5	2	10,000	10,000	NA
California MCL			1	5	6	6	5	150	200	5	0.5	1,750	1,750	NA

Notes:
Groundwater samples collected by GSI Environmental Inc. and analyzed by Positive Lab Service for VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260B.

1. Federal maximum contaminant levels (MCLs) were obtained from U.S. EPA (2019). California MCLs were obtained from State Water Resources Control Board (SWRCB 2019).

Abbreviations:

< = analyte not detected above the reporting limit shown
µg/L = micrograms per liter
VOC = volatile organic compound
bgs = below ground surface
ND = analyte not detected

References:

State Water Resources Control Board (SWRCB). 2019. MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants. March 13, 2019.
United States Environmental Protection Agency (USEPA). 2019. National Primary Drinking Water Regulations. Last Updated September 17, 2019.

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

ATTACHMENTS

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Attachment A

Boring Logs

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B1

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA
DATE STARTED 1 Feb 2022 **COMPLETED** 2 Feb 2022
GROUND ELEVATION 1259.20 **DATUM** NAD83
DRILLING CONTRACTOR J & H Drilling Co., Inc. (DBA MR Drilling)
TOP OF CASING ELEVATION 1259.42 **DATUM** NAD83
DRILLING METHOD Hollow Stem Auger
LATITUDE 34.0559022 **LONGITUDE** -117.2020503
DRILLING EQUIPMENT CME 95
LOGGED BY C. Bair **REVIEWED BY** F. Achour
GROUND SURFACE Aspahlt **BORING DIAMETER (in)** 8
APPROVED BY F. Achour, PG

Depth (ft bgs)	Soil Description	USCS	Blows/ 6 inches	PID (ppm)	Notes
	GROUND SURFACE				
	Asphalt				
	SILTY SAND (SM): reddish brown (7.5YR 4/3), moist, ~75% fine to medium sand, ~20% nonplastic to low plasticity fines, ~5% gravel	SM	5 6 7	0.2	Hand auger to 5 feet bgs PID: PhoCheck Tiger calibrated to 100 ppm Isobutylene standard. PID readings are headspace of soil in resealable plastic bags
10	POORLY GRADED SAND (SP): grayish brown (10YR 6/2), moist, ~90% fine to medium sand, ~5% fine gravel, ~5% fines	SP	6 7 8	0.8	One nested semi-permanent soil vapor probe was installed with probes at 5', 15', 30', 50', 75', and 95' below ground surface in accordance with the July 2015 DTSC Soil Gas Advisory
15	POORLY GRADED SAND WITH SILT (SP-SM): pale brown (10YR 6/3), moist, ~85% fine to medium sand, ~10% nonplastic to low plasticity fines, ~5% gravel	SP-SM	5 7 8	0.7	
	POORLY GRADED SAND (SP): pale brown (10YR 6/3), moist, ~95% fine sand, ~5% fines	SP			

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B1

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): continued		SP		6 8 9			0.6		
	SILTY SAND (SM): reddish brown (5Y 4/4), moist, ~70% fine sand, ~30% low to medium plasticity fines		SM							
25					8 9 10			0.6		
	Dark yellowish brown (10YR 3/4)									
30					7 10 11			0.7		
35								0.5		
	SANDY SILT (ML): reddish brown (5Y 4/4), moist, ~60% fines, ~40% fine sand, low plasticity, firm									
	Brown (10YR 4/3), ~80% fine sand, ~20% low plasticity fines									
40					7 10 12			0.3		

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B1

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
45	SILTY SAND (SM): continued		SM							
	POORLY GRADED SAND WITH SILT (SP-SM): yellowish brown (10YR 5/4), moist, ~90% fine sand, ~10% low plasticity fines		SP-SM		8 9 11			0.3		
50	POORLY GRADED SAND (SP): pale brown (10YR 6/3), moist, ~85% fine to medium sand, ~10% fine gravel, ~5% fines		SP		7 7 10			0.5		
	SILTY SAND WITH GRAVEL (SM): yellowish brown (10YR 5/4), moist, ~60% fine to medium sand, ~20% fine gravel, ~20% low plasticity fines		SM		8 7 11			0.7		
60					7 7 12			0.7		
65								0.7		

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Log of Soil Boring: GSI-B1

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND WITH GRAVEL (SM): continued		SM							
70	SILTY SAND (SM): yellowish brown (10YR 5/4), moist, ~80% fine to medium sand, ~15% low plasticity fines, ~5% fine gravel		SM		7 11 12			0.8		
75								1.0		
80	SILTY SAND WITH GRAVEL (SM): yellowish brown (10YR 5/4), moist, ~55% fine to medium sand, ~25% fine to coarse gravel, ~20% low plasticity fines		SM		7 10 12			0.7		
85					9 11 20			1.0		

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B1

CLIENT STOS Partners **PROJECT NAME** Former La-Z-Boy West - Redlands

GSI JOB NUMBER 6127 **PROJECT LOCATION** 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
90	SANDY SILT (ML): yellowish brown (10YR 5/6), moist, ~60% fines, ~40% fine sand, low plasticity, low toughness, rapid dilatancy, soft		ML		8 12 16			1.1		
95					7 9 12			1.1		
100	POORLY GRADED SAND (SP): brown (10YR 5/3), moist, ~95% fine sand, ~5% low plasticity fines		SP		10 11 15			1.1		
105	SILT WITH SAND (ML): yellowish brown (10YR 5/4), moist, ~80% fines, ~20% fine sand, low plasticity, low toughness, soft		ML		10 11 15			1.0		
110	SANDY SILT (ML): yellowish brown (10YR 5/4), moist, ~60% fines, ~35% fine sand, ~5% fine gravel, low plasticity, low toughness, soft to firm		ML		11 13 17			0.6		

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B1

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
115	SANDY SILT (ML): continued		ML		7 9 13			0.9		
120	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, ~70% fines, ~30% fine sand, medium plasticity, low to medium toughness, firm Wet POORLY GRADED SAND WITH SILT (SP-SM): brown (10YR 4/3), wet, ~90% fine sand, ~10% low plasticity fines Moist to wet		CL		10 10 13					
125	CLAYEY SAND (SC): brown (10YR 4/3), wet, ~80% fine sand, ~20% low to medium plasticity fines		SC		7 10 14					
130	Total Depth = 130.0 feet.									

Note: Where soil was not recovered, geologic interpretations are based on the lithology above and/or below the no sample interval.

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA
DATE STARTED 1 Feb 2022 **COMPLETED** 2 Feb 2022
GROUND ELEVATION 1265.78 **DATUM** NAD83
DRILLING CONTRACTOR J & H Drilling Co., Inc. (DBA MR Drilling)
TOP OF CASING ELEVATION 1265.86 **DATUM** NAD83
DRILLING METHOD Hollow Stem Auger
LATITUDE 34.0558732 **LONGITUDE** -117.2002479
DRILLING EQUIPMENT CME 95
LOGGED BY C. Bair **REVIEWED BY** F. Achour
GROUND SURFACE Aspahlt **BORING DIAMETER (in)** 8
APPROVED BY F. Achour, PG

Depth (ft bgs)	Soil Description	USCS	Blows/ 6 inches	PID (ppm)	Notes
	GROUND SURFACE				
	Asphalt				
	SILTY SAND (SM): brown (10YR 4/3), moist, ~70% fine sand, ~30% low plasticity fines	SM	5 6 7	1.3	Hand auger to 5 feet bgs PID: PhoCheck Tiger calibrated to 100 ppm Isobutylene standard. PID readings are headspace of soil in resealable plastic bags
5	POORLY GRADED SAND WITH SILT (SP-SM): brown (10YR 5/3), moist, ~90% fine to medium sand, ~10% low plasticity fines	SP-SM			
10			6 7 7	0.7	One nested semi-permanent soil vapor probe was installed with probes at 5', 15', 30', 50', 75', and 95' below ground surface in accordance with the July 2015 DTSC Soil Gas Advisory
	POORLY GRADED SAND (SP): pale brown (10YR 6/3), moist, ~90% fine to medium sand, ~5% fine gravel, ~5% nonplastic fines, sand size is predominantly fine	SP			
15			5 7 8	0.7	
	SILTY SAND (SM): yellowish brown (10YR 4/6), moist, ~75% fine sand, ~25% low plasticity fines	SM			

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
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Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): continued		SM		7 9 9			0.6		
	~80% sand, ~20% fines									
25					6 9 10			0.6		
	~85% sand, ~15% fines									
30					6 10 13			0.3		
	SANDY SILT (ML): brown (10YR 4/3), moist, ~60% fines, ~40% fine sand, low to medium plasticity, low toughness, soft		ML							
	POORLY GRADED SAND (SP): pale brown (10YR 6/3), moist, ~95% fine to medium sand, ~5% nonplastic fines		SP							
35					6 7 8			0.7		
	SILTY SAND (SM): olive brown (2.5Y 4/3), moist, ~85% fine sand, ~15% low plasticity fines		SM							
40								0.5		

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GSI Environmental Inc.
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Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
45	SILTY SAND (SM): continued		SM							
	SILTY SAND WITH GRAVEL (SM): olive brown (2.5Y 4/3), moist, ~60% fine to medium sand, ~20% low plasticity fines, ~20% fine gravel		SM		7 7 10			0.7		
50					10 11 12			0.7		
55	Coarse gravel clast				7 11 15			0.6		
60	Coarse gravel clast				10 14 23					
	SILTY SAND (SM): yellowish brown (10YR 5/4), moist, ~80% fine to medium sand, ~15% low plasticity fines, ~5% gravel		SM							
65					7 11			0.6		

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GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 3/4/22 08:45 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\6127_REDLANDS.GPJ

GSI Environmental Inc.
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Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): continued		SM		13					
	POORLY GRADED SAND (SP): pale brown (10YR 6/3), moist, ~95% fine to medium sand, ~5% fines		SP							
70					9 13 15			0.5		
	SILTY SAND (SM): brown (10YR 5/3), moist, ~80% fine to coarse sand, ~20% low plasticity fines		SM							
75					10 11 13			0.5		
	~80% fine sad, ~20% low plasticity fines									
80					11 12 14			0.8		
	POORLY GRADED SAND WITH SILT (SP-SM): grayish brown (10YR 6/4), moist, ~90% fine sand, ~10% nonplastic to low plasticity fines		SP-SM							
85					10 12 14			1.0		
	SILTY SAND (SM): brown (10YR 5/3), moist, ~80% fine to coarse sand, ~20% low plasticity fines		SM							

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GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
90	POORLY GRADED SAND WITH SILT (SP-SM): grayish brown (10YR 6/4), moist, ~90% fine sand, ~10% nonplastic to low plasticity fines		SP-SM		10 12 16			1.1		
	SILTY SAND (SM): brown (10YR 4/3), moist, ~65% fine to medium sand, ~35% low plasticity fines		SM							
95	Moist to wet				10 10 12			1.1		
	Wet									
100					8 11 15			1.3		
	SANDY LEAN CLAY (CL): brown (10YR 5/3), moist to wet, ~60% fines, ~40% fine sand, medium plasticity, low to medium toughness, firm		ML							
105					9 13 15			1.1		
	~50% fines, ~40% sand, ~10% fine gravel									
110					10 10 13			1.2		

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GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 3/4/22 08:45 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\6127_REDLANDS.GPJ

GSI Environmental Inc.
19200 Von Karman, Ste. 800
Irvine, CA 92612
Telephone: 949-679-1070

Log of Soil Boring: GSI-B2

CLIENT STOS Partners
PROJECT NAME Former La-Z-Boy West - Redlands
GSI JOB NUMBER 6127
PROJECT LOCATION 301 Tennessee St., Redlands, CA

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SANDY LEAN CLAY (CL): continued		ML							
	SILTY SAND (SM): brown (10YR 4/3), moist, ~60% fine sand, ~40% low plasticity fines		SM							
115	Wet									
	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist to wet, ~70% fines, ~30% fine sand, medium plasticity, low to medium toughness, soft		CL							
120	Wet									
	Moist									
	SILTY SAND (SM): brown (10YR 4/3), wet, ~70% fine sand, ~30% low plasticity fines		SM							
125										

Total Depth = 125.5 feet.

Note: Where soil was not recovered, geologic interpretations are based on the lithology above and/or below the no sample interval.

GSI_SOIL BORING - TRYTHISTEMPLATE.GDT - 3/4/22 08:45 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\6127_REDLANDS.GPJ

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Attachment B

Survey Report

KDM MERIDIAN
Surveying, Mapping, and Land Services

Date: March 3, 2022
Project No.: 22-GSI-01
Project Name: 301 Tennessee St - Redlands

Prepared For: Farid Achour, GSI Environmental Inc.

Survey Report

Date of Survey: February 2, 2022

Scope of Survey: 3 Monitoring Wells (2 Temporary)

Methodology

The environmental items were surveyed horizontally using GPS RTK. Monitoring well elevations were surveyed by means of differential leveling.

All survey data was adjusted using least squares statistical methods through the use of MicroSurvey STAR*NET. All accuracies shown are network accuracies to 2σ (95%) confidence levels to the nearest centimeter.

No issues or problems were encountered that impact the survey accuracy and precision.

Equipment Used: Trimble R8 GPS System and Leica DNA 10 Digital Level

Attachments

- Environmental Data Table
- Datum Statement

This Survey Report was prepared by me or under my direction.



3/3/2022
Richard C. Maher, PLS 7564 Date

Environmental Data Table

Name	Latitude	Longitude	Elevation	Ground_Elevation
GSI-B1	34.0559022	-117.2020503	1259.42	1259.20
GSI-B2	34.0558732	-117.2002479	1265.86	1265.78
MW-1	34.0570040	-117.2009862	1259.84	1260.30

Datum Statement
Job No.: 22-GSI-01
Job Name: 301 Tennessee St - Redlands

Date: 2/3/22
Created By: RM

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE V, CSRS NAD83(2011) 2017.50 EPOCH
VERTICAL DATUM: NGVD29
GEOID MODEL: GEOID12B
BENCHMARK ID: CITY OF REDLANDS R-75
BENCHMARK ELEVATION: 1265.670'
BENCHMARK DESCRIPTION: BRASS DISK IN TOP OF CURB @ SW COR., WEST END OF RETURN

NOTE: ALL COORDINATES, ELEVATIONS, AND DISTANCES SHOWN, UNLESS OTHERWISE NOTED, ARE IN TERMS OF THE U.S. SURVEY FOOT (US FT).

CSRS STATIONS USED AND PUBLISHED ACCURACIES

STATION	LATITUDE	LONGITUDE	δLAT(2σ,US FT)	δLONG(2σ, US FT)
P612	34°11'14.566278"	-117°18'55.817729"	0.0068	0.0067
RTHS	34°05'20.934686"	-117°21'11.960361"	0.0072	0.0073

MAPPING ANGLE AND COMBINED GRID FACTOR (CF)

STATION	NORTHING	EASTING	ELEVATION (NAVD88)	CF	MAPPING ANGLE	ELLIPSOID HEIGHT
101	1843539.43'	6803350.90'	1258.65'	0.99994018	0°27'17"	1151.41'

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Attachment C

Soil Analytical Reports

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

February 09, 2022

Farid Achour
GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Report No.: 2202036
Project Name: Former La-Z-Boy Redlands / 6127

Dear Farid Achour,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on February 04, 2022.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-5 Soil (2202036-01) Sampled: 02/01/22 08:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-5 Soil (2202036-01) Sampled: 02/01/22 08:00 Received: 02/04/22

m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*85.1 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*97.7 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*101 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-15 Soil (2202036-02) Sampled: 02/01/22 08:15 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-15 Soil (2202036-02) Sampled: 02/01/22 08:15 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-15 Soil (2202036-02) Sampled: 02/01/22 08:15 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*94.0 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.3 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*97.5 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-25 Soil (2202036-03) Sampled: 02/01/22 08:25 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-25 Soil (2202036-03) Sampled: 02/01/22 08:25 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*94.0 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.5 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*97.9 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-35 Soil (2202036-04) Sampled: 02/01/22 08:30 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-35 Soil (2202036-04) Sampled: 02/01/22 08:30 Received: 02/04/22

Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	B820415

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-35 Soil (2202036-04) Sampled: 02/01/22 08:30 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*92.9 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*98.4 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*98.0 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-45 Soil (2202036-05) Sampled: 02/01/22 08:35 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-4S Soil (2202036-05) Sampled: 02/01/22 08:35 Received: 02/04/22

1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*91.2 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*97.5 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*96.4 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-5S Soil (2202036-06) Sampled: 02/01/22 08:40 Received: 02/04/22

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-55 Soil (2202036-06) Sampled: 02/01/22 08:40 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-55 Soil (2202036-06) Sampled: 02/01/22 08:40 Received: 02/04/22

m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*95.3 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*95.8 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*99.3 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-65 Soil (2202036-07) Sampled: 02/01/22 08:45 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-65 Soil (2202036-07) Sampled: 02/01/22 08:45 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-65 Soil (2202036-07) Sampled: 02/01/22 08:45 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*97.0 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.1 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*97.2 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-75 Soil (2202036-08) Sampled: 02/01/22 08:50 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-75 Soil (2202036-08) Sampled: 02/01/22 08:50 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*89.2 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.4 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*95.7 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-85 Soil (2202036-09) Sampled: 02/01/22 09:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-85 Soil (2202036-09) Sampled: 02/01/22 09:00 Received: 02/04/22

Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-85 Soil (2202036-09) Sampled: 02/01/22 09:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*93.6 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.8 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*101 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-95 Soil (2202036-10) Sampled: 02/01/22 09:10 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-95 Soil (2202036-10) Sampled: 02/01/22 09:10 Received: 02/04/22

1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*91.7 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.6 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*95.9 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-105 Soil (2202036-11) Sampled: 02/01/22 09:15 Received: 02/04/22

POSITIVE LAB SERVICE

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Certificate of Analysis

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-105 Soil (2202036-11) Sampled: 02/01/22 09:15 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-105 Soil (2202036-11) Sampled: 02/01/22 09:15 Received: 02/04/22

m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*91.7 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*96.7 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*97.3 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B1-115 Soil (2202036-12) Sampled: 02/01/22 09:25 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Certificate of Analysis

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-115 Soil (2202036-12) Sampled: 02/01/22 09:25 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-115 Soil (2202036-12) Sampled: 02/01/22 09:25 Received: 02/04/22

1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/04/22	02/04/22	mb	BB20415
Surrogate: Dibromofluoromethane	*92.6 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: Toluene-d8	*97.9 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*
Surrogate: 4-Bromofluorobenzene	*99.7 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/04/22*	*02/04/22*	*mb*	*BB20415*

Sample ID: GSI-B2-5 Soil (2202036-13) Sampled: 02/01/22 13:30 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-5 Soil (2202036-13) Sampled: 02/01/22 13:30 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*99.3 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*97.9 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*94.9 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-15 Soil (2202036-14) Sampled: 02/01/22 13:35 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-15 Soil (2202036-14) Sampled: 02/01/22 13:35 Received: 02/04/22

Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-15 Soil (2202036-14) Sampled: 02/01/22 13:35 Received: 02/04/22

1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*102 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*97.5 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*99.2 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-25 Soil (2202036-15) Sampled: 02/01/22 13:40 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-25 Soil (2202036-15) Sampled: 02/01/22 13:40 Received: 02/04/22

1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*98.5 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*97.0 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*96.8 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-35 Soil (2202036-16) Sampled: 02/01/22 13:50 Received: 02/04/22

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-35 Soil (2202036-16) Sampled: 02/01/22 13:50 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-35 Soil (2202036-16) Sampled: 02/01/22 13:50 Received: 02/04/22

m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*96.9 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*96.1 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*97.0 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-45 Soil (2202036-17) Sampled: 02/01/22 13:55 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-45 Soil (2202036-17) Sampled: 02/01/22 13:55 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-45 Soil (2202036-17) Sampled: 02/01/22 13:55 Received: 02/04/22

1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*96.5 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*95.3 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*96.7 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-55 Soil (2202036-18) Sampled: 02/01/22 14:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-55 Soil (2202036-18) Sampled: 02/01/22 14:00 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*97.5 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*95.5 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*95.9 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-65 Soil (2202036-19) Sampled: 02/01/22 14:05 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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File #:75387
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PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-65 Soil (2202036-19) Sampled: 02/01/22 14:05 Received: 02/04/22

Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-6S Soil (2202036-19) Sampled: 02/01/22 14:05 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*97.2 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*96.7 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*97.3 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-7S Soil (2202036-20) Sampled: 02/01/22 14:10 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Certificate of Analysis

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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-75 Soil (2202036-20) Sampled: 02/01/22 14:10 Received: 02/04/22

1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*95.4 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*97.0 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*97.7 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-8S Soil (2202036-21) Sampled: 02/01/22 14:15 Received: 02/04/22

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Certificate of Analysis

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-85 Soil (2202036-21) Sampled: 02/01/22 14:15 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-85 Soil (2202036-21) Sampled: 02/01/22 14:15 Received: 02/04/22

m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*95.1 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*94.2 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*96.7 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-95 Soil (2202036-22) Sampled: 02/01/22 14:20 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Certificate of Analysis

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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-95 Soil (2202036-22) Sampled: 02/01/22 14:20 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-95 Soil (2202036-22) Sampled: 02/01/22 14:20 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*95.9 %*			*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*97.7 %*			*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*96.9 %*			*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

Sample ID: GSI-B2-10S Soil (2202036-23) Sampled: 02/01/22 14:25 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethanol	ND		1	ug/kg	500	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-butyl alcohol	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Di-isopropyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethyl tert-butyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tert-amyl methyl ether	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-105 Soil (2202036-23) Sampled: 02/01/22 14:25 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	02/07/22	02/07/22	mb	BB20823
Surrogate: Dibromofluoromethane	*95.4 %*		*68-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: Toluene-d8	*95.9 %*		*80-120*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*
Surrogate: 4-Bromofluorobenzene	*94.5 %*		*76-121*		*EPA 5035*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20823*

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20415 - EPA 5035										
Blank	**Prepared & Analyzed: 02/04/22**									
Dichlorodifluoromethane (FC-12)	ND	4.00	ug/kg							
Chloromethane	ND	4.00	ug/kg							
Vinyl chloride (Chloroethylene)	ND	4.00	ug/kg							
Bromomethane (Methyl bromide)	ND	4.00	ug/kg							
Chloroethane	ND	4.00	ug/kg							
Trichlorofluoromethane (FC-11)	ND	4.00	ug/kg							
Ethanol	ND	500	ug/kg							
1,1-Dichloroethene	ND	4.00	ug/kg							
Carbon disulfide	ND	40.0	ug/kg							
Methylene chloride (Dichloromethane)	ND	20.0	ug/kg							
Acetone	ND	80.0	ug/kg							
trans-1,2-Dichloroethene	ND	4.00	ug/kg							
Methyl tert-butyl ether (MTBE)	ND	4.00	ug/kg							
Tert-butyl alcohol	ND	20.0	ug/kg							
Di-isopropyl ether	ND	4.00	ug/kg							
1,1-Dichloroethane	ND	4.00	ug/kg							
Ethyl tert-butyl ether	ND	4.00	ug/kg							
Vinyl acetate	ND	40.0	ug/kg							
2,2-Dichloropropane	ND	4.00	ug/kg							
cis-1,2-Dichloroethene	ND	4.00	ug/kg							
Bromochloromethane	ND	4.00	ug/kg							
Chloroform	ND	4.00	ug/kg							
Carbon tetrachloride	ND	4.00	ug/kg							
1,1,1-Trichloroethane	ND	4.00	ug/kg							
1,1-Dichloropropene	ND	4.00	ug/kg							
2-Butanone (MEK)	ND	40.0	ug/kg							
Benzene	ND	2.00	ug/kg							
Tert-amyl methyl ether	ND	4.00	ug/kg							
1,2-Dichloroethane	ND	4.00	ug/kg							
Trichloroethene (TCE)	ND	4.00	ug/kg							
Dibromomethane	ND	4.00	ug/kg							
1,2-Dichloropropane	ND	4.00	ug/kg							
Bromodichloromethane	ND	4.00	ug/kg							
1,4-Dioxane	ND	80.0	ug/kg							
2-Chloroethyl vinyl ether	ND	40.0	ug/kg							
cis-1,3-Dichloropropene	ND	4.00	ug/kg							
Toluene	ND	2.00	ug/kg							
Tetrachloroethene (PCE)	ND	4.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	40.0	ug/kg							
trans-1,3-Dichloropropene	ND	4.00	ug/kg							

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20415 - EPA 5035										
1,1,2-Trichloroethane	ND	4.00	ug/kg							
Dibromochloromethane	ND	4.00	ug/kg							
1,3-Dichloropropane	ND	4.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	4.00	ug/kg							
2-Hexanone (MBK)	ND	40.0	ug/kg							
Chlorobenzene	ND	4.00	ug/kg							
Ethylbenzene	ND	2.00	ug/kg							
1,1,1,2-Tetrachloroethane	ND	4.00	ug/kg							
m,p-Xylene	ND	2.00	ug/kg							
o-Xylene	ND	2.00	ug/kg							
Styrene	ND	4.00	ug/kg							
Bromoform (Tribromomethane)	ND	4.00	ug/kg							
Isopropylbenzene (Cumene)	ND	4.00	ug/kg							
Bromobenzene	ND	4.00	ug/kg							
n-Propylbenzene	ND	4.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	4.00	ug/kg							
2-Chlorotoluene	ND	4.00	ug/kg							
1,2,3-Trichloropropane	ND	4.00	ug/kg							
1,3,5-Trimethylbenzene	ND	4.00	ug/kg							
4-Chlorotoluene	ND	4.00	ug/kg							
tert-Butylbenzene	ND	4.00	ug/kg							
1,2,4-Trimethylbenzene	ND	4.00	ug/kg							
sec-Butylbenzene	ND	4.00	ug/kg							
4-Isopropyltoluene	ND	4.00	ug/kg							
1,3-Dichlorobenzene	ND	4.00	ug/kg							
1,4-Dichlorobenzene	ND	4.00	ug/kg							
n-Butylbenzene	ND	4.00	ug/kg							
1,2-Dichlorobenzene	ND	4.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.00	ug/kg							
1,2,4-Trichlorobenzene	ND	4.00	ug/kg							
Hexachlorobutadiene	ND	4.00	ug/kg							
Naphthalene	ND	4.00	ug/kg							
1,2,3-Trichlorobenzene	ND	4.00	ug/kg							
Surrogate: Dibromofluoromethane	*13.0*		ug/kg	*15.00*		*86.4*	*68-120*			
Surrogate: Toluene-d8	*14.3*		ug/kg	*15.00*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*12.8*		ug/kg	*15.00*		*85.4*	*76-121*			
LCS	**Prepared & Analyzed: 02/04/22**									
1,1-Dichloroethene	16.7	4.00	ug/kg	20.00		83.6	68-129			
Methyl tert-butyl ether (MTBE)	14.1	4.00	ug/kg	20.00		70.4	67-120			
Benzene	15.8	2.00	ug/kg	20.00		78.9	72-120			
Trichloroethene (TCE)	17.7	4.00	ug/kg	20.00		88.4	78-120			

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20415 - EPA 5035										
Toluene	16.6	2.00	ug/kg	20.00		83.1	77-120			
Chlorobenzene	18.1	4.00	ug/kg	20.00		90.5	77-120			
Surrogate: Dibromofluoromethane	*13.8*		ug/kg	*15.00*		*91.7*	*80-120*			
Surrogate: Toluene-d8	*14.7*		ug/kg	*15.00*		*97.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.5*		ug/kg	*15.00*		*96.9*	*80-120*			
Matrix Spike **Source: 2202035-05**	**Prepared & Analyzed: 02/04/22**									
1,1-Dichloroethene	20.7	4.00	ug/kg	20.00	ND	103	69-138			
Benzene	18.2	2.00	ug/kg	20.00	ND	91.0	67-124			
Trichloroethene (TCE)	19.7	4.00	ug/kg	20.00	ND	98.5	59-136			
Toluene	18.7	2.00	ug/kg	20.00	ND	93.6	63-120			
Chlorobenzene	20.3	4.00	ug/kg	20.00	ND	102	61-120			
Surrogate: Dibromofluoromethane	*14.1*		ug/kg	*15.00*		*93.8*	*80-120*			
Surrogate: Toluene-d8	*14.6*		ug/kg	*15.00*		*97.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.5*		ug/kg	*15.00*		*96.9*	*80-120*			
Matrix Spike Dup **Source: 2202035-05**	**Prepared & Analyzed: 02/04/22**									
1,1-Dichloroethene	20.7	4.00	ug/kg	20.00	ND	104	69-138	0.241	30	
Benzene	17.4	2.00	ug/kg	20.00	ND	86.8	67-124	4.67	30	
Trichloroethene (TCE)	18.6	4.00	ug/kg	20.00	ND	93.1	59-136	5.64	30	
Toluene	17.6	2.00	ug/kg	20.00	ND	88.0	63-120	6.11	30	
Chlorobenzene	19.4	4.00	ug/kg	20.00	ND	96.9	61-120	4.64	30	
Surrogate: Dibromofluoromethane	*14.4*		ug/kg	*15.00*		*95.9*	*80-120*			
Surrogate: Toluene-d8	*14.5*		ug/kg	*15.00*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.7*		ug/kg	*15.00*		*98.1*	*80-120*			
Batch BB20823 - EPA 5035										
Blank	**Prepared & Analyzed: 02/07/22**									
Dichlorodifluoromethane (FC-12)	ND	4.00	ug/kg							
Chloromethane	ND	4.00	ug/kg							
Vinyl chloride (Chloroethylene)	ND	4.00	ug/kg							
Bromomethane (Methyl bromide)	ND	4.00	ug/kg							
Chloroethane	ND	4.00	ug/kg							
Trichlorofluoromethane (FC-11)	ND	4.00	ug/kg							
Ethanol	ND	500	ug/kg							
1,1-Dichloroethene	ND	4.00	ug/kg							
Carbon disulfide	ND	40.0	ug/kg							
Methylene chloride (Dichloromethane)	ND	20.0	ug/kg							
Acetone	ND	80.0	ug/kg							
trans-1,2-Dichloroethene	ND	4.00	ug/kg							
Methyl tert-butyl ether (MTBE)	ND	4.00	ug/kg							
Tert-butyl alcohol	ND	20.0	ug/kg							
Di-isopropyl ether	ND	4.00	ug/kg							

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Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20823 - EPA 5035										
1,1-Dichloroethane	ND	4.00	ug/kg							
Ethyl tert-butyl ether	ND	4.00	ug/kg							
Vinyl acetate	ND	40.0	ug/kg							
2,2-Dichloropropane	ND	4.00	ug/kg							
cis-1,2-Dichloroethene	ND	4.00	ug/kg							
Bromochloromethane	ND	4.00	ug/kg							
Chloroform	ND	4.00	ug/kg							
Carbon tetrachloride	ND	4.00	ug/kg							
1,1,1-Trichloroethane	ND	4.00	ug/kg							
1,1-Dichloropropene	ND	4.00	ug/kg							
2-Butanone (MEK)	ND	40.0	ug/kg							
Benzene	ND	2.00	ug/kg							
Tert-amyl methyl ether	ND	4.00	ug/kg							
1,2-Dichloroethane	ND	4.00	ug/kg							
Trichloroethene (TCE)	ND	4.00	ug/kg							
Dibromomethane	ND	4.00	ug/kg							
1,2-Dichloropropane	ND	4.00	ug/kg							
Bromodichloromethane	ND	4.00	ug/kg							
1,4-Dioxane	ND	80.0	ug/kg							
2-Chloroethyl vinyl ether	ND	40.0	ug/kg							
cis-1,3-Dichloropropene	ND	4.00	ug/kg							
Toluene	ND	2.00	ug/kg							
Tetrachloroethene (PCE)	ND	4.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	40.0	ug/kg							
trans-1,3-Dichloropropene	ND	4.00	ug/kg							
1,1,2-Trichloroethane	ND	4.00	ug/kg							
Dibromochloromethane	ND	4.00	ug/kg							
1,3-Dichloropropane	ND	4.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	4.00	ug/kg							
2-Hexanone (MBK)	ND	40.0	ug/kg							
Chlorobenzene	ND	4.00	ug/kg							
Ethylbenzene	ND	2.00	ug/kg							
1,1,1,2-Tetrachloroethane	ND	4.00	ug/kg							
m,p-Xylene	ND	2.00	ug/kg							
o-Xylene	ND	2.00	ug/kg							
Styrene	ND	4.00	ug/kg							
Bromoform (Tribromomethane)	ND	4.00	ug/kg							
Isopropylbenzene (Cumene)	ND	4.00	ug/kg							
Bromobenzene	ND	4.00	ug/kg							
n-Propylbenzene	ND	4.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	4.00	ug/kg							

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20823 - EPA 5035										
2-Chlorotoluene	ND	4.00	ug/kg							
1,2,3-Trichloropropane	ND	4.00	ug/kg							
1,3,5-Trimethylbenzene	ND	4.00	ug/kg							
4-Chlorotoluene	ND	4.00	ug/kg							
tert-Butylbenzene	ND	4.00	ug/kg							
1,2,4-Trimethylbenzene	ND	4.00	ug/kg							
sec-Butylbenzene	ND	4.00	ug/kg							
4-Isopropyltoluene	ND	4.00	ug/kg							
1,3-Dichlorobenzene	ND	4.00	ug/kg							
1,4-Dichlorobenzene	ND	4.00	ug/kg							
n-Butylbenzene	ND	4.00	ug/kg							
1,2-Dichlorobenzene	ND	4.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.00	ug/kg							
1,2,4-Trichlorobenzene	ND	4.00	ug/kg							
Hexachlorobutadiene	ND	4.00	ug/kg							
Naphthalene	ND	4.00	ug/kg							
1,2,3-Trichlorobenzene	ND	4.00	ug/kg							
Surrogate: Dibromofluoromethane	*14.2*		ug/kg	*15.00*		*94.5*	*68-120*			
Surrogate: Toluene-d8	*14.6*		ug/kg	*15.00*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*13.6*		ug/kg	*15.00*		*90.5*	*76-121*			
LCS	**Prepared & Analyzed: 02/07/22**									
1,1-Dichloroethene	17.8	4.00	ug/kg	20.00		89.2	68-129			
Methyl tert-butyl ether (MTBE)	16.1	4.00	ug/kg	20.00		80.6	67-120			
Benzene	15.8	2.00	ug/kg	20.00		79.0	72-120			
Trichloroethene (TCE)	17.5	4.00	ug/kg	20.00		87.5	78-120			
Toluene	16.2	2.00	ug/kg	20.00		81.0	77-120			
Chlorobenzene	18.0	4.00	ug/kg	20.00		90.0	77-120			
Surrogate: Dibromofluoromethane	*14.1*		ug/kg	*15.00*		*93.9*	*80-120*			
Surrogate: Toluene-d8	*14.6*		ug/kg	*15.00*		*97.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.5*		ug/kg	*15.00*		*96.8*	*80-120*			
LCS Dup	**Prepared & Analyzed: 02/08/22**									
1,1-Dichloroethene	17.3	4.00	ug/kg	20.00		86.4	68-129	3.30	20	
Methyl tert-butyl ether (MTBE)	16.8	4.00	ug/kg	20.00		84.2	67-120	4.31	20	
Benzene	15.1	2.00	ug/kg	20.00		75.5	72-120	4.47	20	
Trichloroethene (TCE)	16.3	4.00	ug/kg	20.00		81.6	78-120	7.04	20	
Toluene	15.5	2.00	ug/kg	20.00		77.4	77-120	4.42	20	
Chlorobenzene	17.1	4.00	ug/kg	20.00		85.6	77-120	4.90	20	
Surrogate: Dibromofluoromethane	*14.1*		ug/kg	*15.00*		*94.2*	*80-120*			
Surrogate: Toluene-d8	*14.4*		ug/kg	*15.00*		*96.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.4*		ug/kg	*15.00*		*96.3*	*80-120*			

POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202036

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

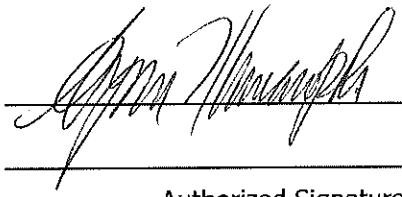
Attn: Farid Achour Phone: (949) 679-1070 FAX:

Project: Former La-Z-Boy Redlands / 6127

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138



Authorized Signature(s)

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 2/1/2022

Page 1 of 2

2202030

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: La Z Boy - Redlands PROJECT CONTACT: F. Achour GLOBAL ID:	PROJECT NO.: 6127 LAB CONTACT: SAMPLER(S): (PRINT) Corey B.
TEL: (949) 679-1070	E-MAIL: Fachour@gsi-net.com	
LABORATORY: Positive		
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD		
SPECIAL INSTRUCTIONS:		

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs 8260B
	GSI-B1-5	2/1/22	0800	S	3		X		X
	GSI-B1-15		0815						
	GSI-B1-25		0825						
	GSI-B1-35		0830						
	GSI-B1-45		0835						
	GSI-B1-55		0840						
	GSI-B1-65		0845						
	GSI-B1-75		0850						
	GSI-B1-85		0900						
	GSI-B1-95		0910						
	GSI-B1-105		0915						
	GSI-B1-115		0925						

Relinquished by: (Signature) Corey B.	Received by: (Signature)	Date: 2-4-22	Time: 0800
Relinquished by: (Signature)	Received by: (Signature) Arrived at the lab	Date: 2-4-22	Time: 0730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

3.9°C -.2°C of

3.7°C #60

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD
Date: 2/1/2022
Page 2 of 2

2202036

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: La Z Boy - Redlands	PROJECT NO.: 6127
	PROJECT CONTACT: E. Achor	LAB CONTACT:
	GLOBAL ID:	SAMPLER(S): (PRINT) Corey Bar
TEL: (949) 679-1070	E-MAIL:	
LABORATORY: Positive		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs
	GSI-B2-5	2/1/22	1330	S	3		X		X
	GSI-B2-15		1335						
	GSI-B2-25		1340						
	GSI-B2-35		1356						
	GSI-B2-45		1355						
	GSI-B2-55		1400						
	GSI-B2-65		1405						
	GSI-B2-75		1416						
	GSI-B2-85		1415						
	GSI-B2-95		1420						
	GSI-B2-105		1425						
	GSI-B2-115								

ND (sample 24 hr at 4°C contained w/ cooler ice)

Relinquished by: (Signature) Corey B. / Tom Bard	Received by: (Signature) Tom Bard	Date: 2-7-22	Time: 0830
Relinquished by: (Signature) Tom Bard	Received by: (Signature) Arrived at the lab	Date: 2-7-22	Time: 0730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

3.9°C -2°C CF
3.7°C #66

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Attachment D

Soil Vapor Analytical Reports

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 02/07/2022 10:41:08
Laboratory Job No. (Certificate of Analysis No.)	2201-00241
Project Name / No.	301 Tennessee St., Redlands, CA 92373
Dates Sampled (from/to)	02/01/22 To 02/01/22
Dates Received (from/to)	02/01/22 To 02/01/22
Dates Reported (from/to)	02/07/22 To 2/7/2022
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

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Laboratory Job# 2201-00241

Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
B4-15	Trichloroethene	**0.080**		µg/L	0.013	B1-5	1,1,1-Trichloroethane	**18**		µg/L	0.013
B1-5	1,1,2-Trichloroethane	**0.090**		µg/L	0.013	B1-5	1,1-Dichloroethane	**3.4**		µg/L	0.013
B1-5	1,1-Dichloroethene	**7.9**		µg/L	0.013	B1-5	Chloroform	**0.050**		µg/L	0.013
B1-5	Tetrachloroethene	**0.080**		µg/L	0.013	B1-5	Trichloroethene	**4.0**		µg/L	0.013
B1-5	cis-1,2-Dichloroethene	**0.24**		µg/L	0.013	B1-5 DUP	1,1,1-Trichloroethane	**19**		µg/L	0.13
B1-5 DUP	1,1-Dichloroethane	**4.0**		µg/L	0.13	B1-5 DUP	1,1-Dichloroethene	**5.8**		µg/L	0.13
B1-5 DUP	Trichloroethene	**3.5**		µg/L	0.13	B1-5 DUP	cis-1,2-Dichloroethene	**0.21**		µg/L	0.13
B1-15	1,1,1-Trichloroethane	**21**		µg/L	0.25	B1-15	1,1-Dichloroethane	**1.8**		µg/L	0.25
B1-15	1,1-Dichloroethene	**6.0**		µg/L	0.25	B1-15	Trichloroethene	**1.4**		µg/L	0.25
B1-30	1,1,1-Trichloroethane	**36**		µg/L	2.5	B1-30	1,1-Dichloroethane	**18**		µg/L	2.5
B1-30	1,1-Dichloroethene	**44**		µg/L	2.5	B1-30	Trichloroethene	**22**		µg/L	2.5
B1-50	1,1,1-Trichloroethane	**19**		µg/L	1.3	B1-50	1,1-Dichloroethene	**4.8**		µg/L	1.3
B1-50	Trichloroethene	**1.7**		µg/L	1.3	B1-75	1,1,1-Trichloroethane	**6.5**		µg/L	0.25
B1-75	1,1-Dichloroethane	**6.2**		µg/L	0.25	B1-75	1,1-Dichloroethene	**23**		µg/L	0.25
B1-75	Chloroform	**0.66**		µg/L	0.25	B1-75	Tetrachloroethene	**0.33**		µg/L	0.25
B1-75	Trichloroethene	**22**		µg/L	0.25	B1-75	cis-1,2-Dichloroethene	**1.3**		µg/L	0.25
B3-5	1,1-Dichloroethene	**0.020**		µg/L	0.013	B3-5	Trichloroethene	**0.040**		µg/L	0.013
B3-15	1,1-Dichloroethene	**0.040**		µg/L	0.013	B3-15	Chloroform	**0.030**		µg/L	0.013
B3-15	Trichloroethene	**0.10**		µg/L	0.013	B5-5	1,1,1-Trichloroethane	**0.040**		µg/L	0.013
B5-5	1,1-Dichloroethene	**0.030**		µg/L	0.013	B5-5	Trichloroethene	**0.040**		µg/L	0.013
B5-15	1,1,1-Trichloroethane	**0.090**		µg/L	0.013	B5-15	1,1-Dichloroethane	**0.050**		µg/L	0.013
B5-15	1,1-Dichloroethene	**0.18**		µg/L	0.013	B5-15	Chloroform	**0.050**		µg/L	0.013
B5-15	Trichloroethene	**0.15**		µg/L	0.013	B6-5	1,1,1-Trichloroethane	**0.060**		µg/L	0.013
B6-5	1,1-Dichloroethene	**0.060**		µg/L	0.013	B6-5	Trichloroethene	**0.050**		µg/L	0.013
B6-15	1,1,1-Trichloroethane	**0.30**		µg/L	0.013	B6-15	1,1-Dichloroethane	**0.10**		µg/L	0.013
B6-15	1,1-Dichloroethene	**0.17**		µg/L	0.013	B6-15	Trichloroethene	**0.17**		µg/L	0.013
B7-15	1,1-Dichloroethene	**0.040**		µg/L	0.013	B7-15	Trichloroethene	**0.050**		µg/L	0.013

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 001 **B2-5** Date & Time Sampled: 02/01/22 @ 8:35
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 001 **B2-5** Date & Time Sampled: 02/01/22 @ 8:35
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **B2-5**					Date & Time Sampled:		02/01/22 @	8:35
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	101		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	112		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	93		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 002 **B2-15**					Date & Time Sampled:		02/01/22 @	9:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 002 **B2-15** Date & Time Sampled: 02/01/22 @ 9:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 002 **B2-15** Date & Time Sampled: 02/01/22 @ 9:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **B2-15**					Date & Time Sampled:		02/01/22 @	9:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	107		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	103		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 003 **B4-5**					Date & Time Sampled:		02/01/22 @	9:23
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 003 **B4-5** Date & Time Sampled: 02/01/22 @ 9:23
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 **B4-5**					Date & Time Sampled:		02/01/22 @	9:23
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	97		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	100		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	91		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 004 **B4-15**					Date & Time Sampled:		02/01/22 @	9:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 004 **B4-15**
Sample Matrix: **Air**
Purge Volume Sampled: **3**
Date & Time Sampled: 02/01/22 @ 9:50

.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 004 **B4-15** Date & Time Sampled: 02/01/22 @ 9:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **B4-15**					Date & Time Sampled:		02/01/22 @	9:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.080**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	109		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	92		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 005 **B1-5**					Date & Time Sampled:		02/01/22 @	10:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 005 **B1-5** Date & Time Sampled: 02/01/22 @ 10:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	**3.4**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**7.9**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	**0.24**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 005 **B1-5** Date & Time Sampled: 02/01/22 @ 10:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	**0.080**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	**18**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	**0.090**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**4.0**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **B1-5**					Date & Time Sampled:		02/01/22 @	10:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	96		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	95		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	87		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 006 **B1-5 DUP**					Date & Time Sampled:		02/01/22 @	10:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Benzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Bromobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Bromochloromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Bromodichloromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Bromoform	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Bromomethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
t-Butanol (TBA)	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
2-Butanone (MEK)	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
n-Butylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
sec-Butylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
tert-Butylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Carbon Disulfide	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
Carbon Tetrachloride	<0.065		µg/L	EPA 8260B	1.3	0.065	02/01/22	KZ
Chlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Chloroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Chloroform	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Chloromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
2-Chlorotoluene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 006 **B1-5 DUP** Date & Time Sampled: 02/01/22 @ 10:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Dibromochloromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Dibromomethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2-Dichlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,3-Dichlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,4-Dichlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Dichlorodifluoromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1-Dichloroethane	**4.0**		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2-Dichloroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1-Dichloroethene	**5.8**		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
cis-1,2-Dichloroethene	**0.21**		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
trans-1,2-Dichloroethene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2-Dichloropropane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,3-Dichloropropane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
2,2-Dichloropropane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1-Dichloropropene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
cis-1,3-Dichloropropene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
trans-1,3-Dichloropropene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Ethylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Hexachlorobutadiene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
2-Hexanone	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
Isopropylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
4-Isopropyltoluene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Methylene Chloride	<0.1		µg/L	EPA 8260B	1.3	0.1	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **B1-5 DUP**					Date & Time Sampled:		02/01/22 @	10:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.065		µg/L	EPA 8260B	1.3	0.065	02/01/22	KZ
n-Propylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Styrene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Tetrachloroethene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Toluene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1,1-Trichloroethane	**19**		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,1,2-Trichloroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Trichloroethene	**3.5**		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2,3-Trichloropropane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Trichlorofluoromethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Trichlorotrifluoroethane	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
Vinyl Chloride	<0.065		µg/L	EPA 8260B	1.3	0.065	02/01/22	KZ
m,p-Xylenes	<0.26		µg/L	EPA 8260B	1.3	0.26	02/01/22	KZ
o-Xylene	<0.13		µg/L	EPA 8260B	1.3	0.13	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<1.3		µg/L	EPA 8260B	1.3	1.3	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	98		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	105		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	92		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 007 **B1-15**					Date & Time Sampled:		02/01/22 @	11:09
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 007 **B1-15** Date & Time Sampled: 02/01/22 @ 11:09
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Benzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromochloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromodichloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromoform	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromomethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
t-Butanol (TBA)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
2-Butanone (MEK)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
n-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
sec-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
tert-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Carbon Disulfide	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Carbon Tetrachloride	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
Chlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloroform	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2-Chlorotoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
4-Chlorotoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dibromochloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dibromomethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,4-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dichlorodifluoromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloroethane	**1.8**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 007 **B1-15** Date & Time Sampled: 02/01/22 @ 11:09
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloroethene	**6.0**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
cis-1,2-Dichloroethene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
trans-1,2-Dichloroethene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2,2-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
cis-1,3-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
trans-1,3-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Ethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Hexachlorobutadiene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2-Hexanone	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Isopropylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
4-Isopropyltoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Methylene Chloride	<0.3		µg/L	EPA 8260B	2.5	0.3	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Naphthalene	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
n-Propylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Styrene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Tetrachloroethene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Toluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,1-Trichloroethane	**21**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **B1-15**					Date & Time Sampled:		02/01/22 @	11:09
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichloroethene	**1.4**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,3-Trichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichlorofluoromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichlorotrifluoroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Vinyl Chloride	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
m,p-Xylenes	<0.50		µg/L	EPA 8260B	2.5	0.50	02/01/22	KZ
o-Xylene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	111		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	99		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 008 **B1-30**					Date & Time Sampled:		02/01/22 @	11:35
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Benzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Bromobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Bromochloromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Bromodichloromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Bromoform	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Bromomethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
t-Butanol (TBA)	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
2-Butanone (MEK)	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 008 **B1-30** Date & Time Sampled: 02/01/22 @ 11:35
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
sec-Butylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
tert-Butylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Carbon Disulfide	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
Carbon Tetrachloride	<1.3		µg/L	EPA 8260B	25.0	1.3	02/01/22	KZ
Chlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Chloroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Chloroform	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Chloromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
2-Chlorotoluene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
4-Chlorotoluene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Dibromochloromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2-Dibromoethane (EDB)	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Dibromomethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2-Dichlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,3-Dichlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,4-Dichlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Dichlorodifluoromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1-Dichloroethane	**18**		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2-Dichloroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1-Dichloroethene	**44**		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
cis-1,2-Dichloroethene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
trans-1,2-Dichloroethene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2-Dichloropropane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,3-Dichloropropane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
2,2-Dichloropropane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1-Dichloropropene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
cis-1,3-Dichloropropene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
trans-1,3-Dichloropropene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 008 **B1-30** Date & Time Sampled: 02/01/22 @ 11:35
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Ethylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Hexachlorobutadiene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
2-Hexanone	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
Isopropylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
4-Isopropyltoluene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Methylene Chloride	<3		µg/L	EPA 8260B	25.0	3	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Naphthalene	<1.3		µg/L	EPA 8260B	25.0	1.3	02/01/22	KZ
n-Propylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Styrene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Tetrachloroethene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Toluene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2,3-Trichlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2,4-Trichlorobenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1,1-Trichloroethane	**36**		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,1,2-Trichloroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Trichloroethene	**22**		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2,3-Trichloropropane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Trichlorofluoromethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Trichlorotrifluoroethane	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,2,4-Trimethylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
1,3,5-Trimethylbenzene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ
Vinyl Chloride	<1.3		µg/L	EPA 8260B	25.0	1.3	02/01/22	KZ
m,p-Xylenes	<5.0		µg/L	EPA 8260B	25.0	5.0	02/01/22	KZ
o-Xylene	<2.5		µg/L	EPA 8260B	25.0	2.5	02/01/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 **B1-30**					Date & Time Sampled:		02/01/22 @	11:35
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<25		µg/L	EPA 8260B	25.0	25	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	103		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	98		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 009 **B1-50**					Date & Time Sampled:		02/01/22 @	11:58
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Benzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Bromobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Bromochloromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Bromodichloromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Bromoform	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Bromomethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
t-Butanol (TBA)	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
2-Butanone (MEK)	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
n-Butylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
sec-Butylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
tert-Butylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Carbon Disulfide	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
Carbon Tetrachloride	<0.65		µg/L	EPA 8260B	13.0	0.65	02/01/22	KZ
Chlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Chloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Chloroform	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Chloromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
2-Chlorotoluene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 009 **B1-50** Date & Time Sampled: 02/01/22 @ 11:58
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Dibromochloromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2-Dibromoethane (EDB)	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Dibromomethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2-Dichlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,3-Dichlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,4-Dichlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Dichlorodifluoromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1-Dichloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2-Dichloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1-Dichloroethene	**4.8**		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
cis-1,2-Dichloroethene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
trans-1,2-Dichloroethene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2-Dichloropropane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,3-Dichloropropane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
2,2-Dichloropropane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1-Dichloropropene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
cis-1,3-Dichloropropene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
trans-1,3-Dichloropropene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Diisopropyl Ether (DiPE)	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Ethylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Hexachlorobutadiene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
2-Hexanone	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
Isopropylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
4-Isopropyltoluene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Methylene Chloride	<1		µg/L	EPA 8260B	13.0	1	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **B1-50**					Date & Time Sampled:		02/01/22 @	11:58
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.65		µg/L	EPA 8260B	13.0	0.65	02/01/22	KZ
n-Propylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Styrene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Tetrachloroethene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Toluene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2,3-Trichlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2,4-Trichlorobenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1,1-Trichloroethane	**19**		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,1,2-Trichloroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Trichloroethene	**1.7**		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2,3-Trichloropropane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Trichlorofluoromethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Trichlorotrifluoroethane	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,2,4-Trimethylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
1,3,5-Trimethylbenzene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
Vinyl Chloride	<0.65		µg/L	EPA 8260B	13.0	0.65	02/01/22	KZ
m,p-Xylenes	<2.6		µg/L	EPA 8260B	13.0	2.6	02/01/22	KZ
o-Xylene	<1.3		µg/L	EPA 8260B	13.0	1.3	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<13		µg/L	EPA 8260B	13.0	13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	112		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	101		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	92		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 010 **B1-75**					Date & Time Sampled:		02/01/22 @	12:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 010 **B1-75** Date & Time Sampled: 02/01/22 @ 12:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Benzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromochloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromodichloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromoform	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Bromomethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
t-Butanol (TBA)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
2-Butanone (MEK)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
n-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
sec-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
tert-Butylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Carbon Disulfide	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Carbon Tetrachloride	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
Chlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloroform	**0.66**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Chloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2-Chlorotoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
4-Chlorotoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dibromochloromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dibromomethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,4-Dichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Dichlorodifluoromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloroethane	**6.2**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 010 **B1-75** Date & Time Sampled: 02/01/22 @ 12:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloroethene	**23**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
cis-1,2-Dichloroethene	**1.3**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
trans-1,2-Dichloroethene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2,2-Dichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
cis-1,3-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
trans-1,3-Dichloropropene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Ethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Hexachlorobutadiene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
2-Hexanone	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Isopropylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
4-Isopropyltoluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Methylene Chloride	<0.3		µg/L	EPA 8260B	2.5	0.3	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Naphthalene	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
n-Propylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Styrene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Tetrachloroethene	**0.33**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Toluene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,1,1-Trichloroethane	**6.5**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 **B1-75**					Date & Time Sampled:		02/01/22 @	12:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichloroethene	**22**		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,3-Trichloropropane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichlorofluoromethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Trichlorotrifluoroethane	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
Vinyl Chloride	<0.13		µg/L	EPA 8260B	2.5	0.13	02/01/22	KZ
m,p-Xylenes	<0.50		µg/L	EPA 8260B	2.5	0.50	02/01/22	KZ
o-Xylene	<0.25		µg/L	EPA 8260B	2.5	0.25	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<2.5		µg/L	EPA 8260B	2.5	2.5	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	112		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	97		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	92		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 011 **B3-5**					Date & Time Sampled:		02/01/22 @	12:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 011 **B3-5** Date & Time Sampled: 02/01/22 @ 12:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.020**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 011 **B3-5** Date & Time Sampled: 02/01/22 @ 12:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **B3-5**					Date & Time Sampled:		02/01/22 @	12:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	104		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	103		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	91		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 012 **B3-15**					Date & Time Sampled:		02/01/22 @	13:05
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	**0.030**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 012 **B3-15** Date & Time Sampled: 02/01/22 @ 13:05
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 **B3-15**					Date & Time Sampled:		02/01/22 @	13:05
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	99		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	100		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	87		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 013 **B5-5**					Date & Time Sampled:		02/01/22 @	13:55
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 013 **B5-5** Date & Time Sampled: 02/01/22 @ 13:55
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 013 **B5-5** Date & Time Sampled: 02/01/22 @ 13:55
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.030**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 **B5-5**					Date & Time Sampled:		02/01/22 @	13:55
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	106		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	99		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 014 **B5-15**					Date & Time Sampled:		02/01/22 @	14:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 014 **B5-15** Date & Time Sampled: 02/01/22 @ 14:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.18**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 014 **B5-15** Date & Time Sampled: 02/01/22 @ 14:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	**0.090**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.15**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 **B5-15**					Date & Time Sampled:		02/01/22 @	14:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	119		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	103		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 015 **B6-5**					Date & Time Sampled:		02/01/22 @	14:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 015 **B6-5** Date & Time Sampled: 02/01/22 @ 14:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.060**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 **B6-5**					Date & Time Sampled:		02/01/22 @	14:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	**0.060**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	109		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	99		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	93		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 016 **B6-15**					Date & Time Sampled:		02/01/22 @	15:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 016 **B6-15** Date & Time Sampled: 02/01/22 @ 15:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 016 **B6-15** Date & Time Sampled: 02/01/22 @ 15:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.17**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	**0.30**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 016 **B6-15**					Date & Time Sampled:		02/01/22 @	15:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.17**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	101		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	87		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 017 **B7-5**					Date & Time Sampled:		02/01/22 @	15:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 017 **B7-5** Date & Time Sampled: 02/01/22 @ 15:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 017 **B7-5** Date & Time Sampled: 02/01/22 @ 15:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 017 **B7-5**					Date & Time Sampled:		02/01/22 @	15:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	108		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	94		%REC	EPA 8260B		70-130	02/01/22	KZ
Sample: 018 **B7-15**					Date & Time Sampled:		02/01/22 @	16:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/01/22
Invoice No.	94042
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 018 **B7-15** Date & Time Sampled: 02/01/22 @ 16:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/01/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/01/22
Invoice No. 94042
Cust # G093
Permit Number
Customer P.O.

Sample: 018 **B7-15** Date & Time Sampled: 02/01/22 @ 16:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichloroethene	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/01/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/01/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/01/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/01/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	105		%REC	EPA 8260B		70-130	02/01/22	KZ
Toluene-D8	94		%REC	EPA 8260B		70-130	02/01/22	KZ
Bromofluorobenzene	89		%REC	EPA 8260B		70-130	02/01/22	KZ

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

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Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

2201-00241

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	**02/07/2022**
Date Received	**02/01/2022**
Date Sampled	**02/01/2022**
Invoice No.	**94042**
Customer #	**G093**
Customer P.O.	

Method # EPA 8260B
QC Reference # 100796 **Date Analyzed:** 2/1/2022 **Technician:** KZ
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR%REC
1,1-Dichloroethene	105	90	15.3	
Benzene	94	97	2.8	
Bromofluorobenzene				91
Chlorobenzene	87	86	1.2	
Dibromofluoromethane				107
Toluene	92	87	5.3	
Toluene-D8				94
Trichloroethene	86	78	9.7	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

No method blank results were above reporting limit

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL

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Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2201-24

Client Name: GSI
E-mail: FACHOUR@GSI-NET.COM
Address: 19200 Von KARMAN AVE. STE 800. IRVINE. CA 92612
Report Attention: FARID A. | Phone #: 949.242.8287 | Fax: #
Sampled By: KZ
Project No./ Name:
Project Site: 301 Tennessee St. Redlund, CA

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
-1	B2-5	2/1/22	8:35	Air		250 ml G	X									
-2	B2-15		9:00													
-3	B4-5		9:23													
-4	B4-15		9:50													
-5	B1-5		10:15													
-6	B1-5 DUP		10:45													
-7	B1-15		11:09													
-8	B1-30		11:35													
-9	B1-50		11:58													
-10	B1-75		12:20													
-11	B3-5		12:45													
-12	B3-15		13:05													
-13	B5-5		13:55													
-14	B5-15		14:15													
-15	B6-5		14:50													

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	GSI	2/1/22	16:30		Ark	2/1/22	16:30
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

ARL

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Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2201-241

Client Name: GSI
E-mail: FACHOUR@GSI-NET.COM
Address: 19200 VON KARMAN AVE., STE. 800, IRVINE, CA 92612
Report Attention: FARID A. Phone #: 949-242-8287 Fax: #
Sampled By: KZ
Project No./ Name:
Project Site: 301 Tennessee St. Redland CA

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	E:PA8260B (VOCs & Oxygenates)	E:PA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	E:PA8081A (Organochlorine Pesticides)	E:PA 8082 (PCBs)	E:PA 8015M (Carbon Chain C4-C40)	E:PA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
-16	B6-15	2/1/22	15:10	Air		250ml G	X									
-17	B7-5	↓	15:45	↓		↓	↓									
-18	B7-15	↓	16:10	↓		↓	↓									

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Corey B.	GSI	2/1/22	16:30			2/1/22	16:30
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste, SL=Sludge, SS=Soil/Sediment, AR=Air, PP=Pure Product

Preservative Code: IC=Ice, HC=HCl, HN=HNO_3, SH=NaOH, ST=$Na_2S_2O_3$, HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag, G=Glass Container, ST= Steel Tube, B= Brass Tube, P=Plastic Bottle, V=VOA Vial, E= EnCore

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 02/07/2022 10:41:23
Laboratory Job No. (Certificate of Analysis No.)	2201-00242
Project Name / No.	301 Tennessee St., Redlands, CA 92373
Dates Sampled (from/to)	02/02/22 To 02/02/22
Dates Received (from/to)	02/02/22 To 02/02/22
Dates Reported (from/to)	02/07/22 To 2/7/2022
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
B10-5	Trichloroethene	**0.050**		µg/L	0.013	B10-15	1,1-Dichloroethene	**0.040**		µg/L	0.013
B10-15	Trichloroethene	**0.10**		µg/L	0.013	B11-15	1,1-Dichloroethene	**0.050**		µg/L	0.013
B11-15	Trichloroethene	**0.11**		µg/L	0.013	B18-5	1,1,1-Trichloroethane	**0.12**		µg/L	0.013
B18-5	1,1-Dichloroethane	**0.020**		µg/L	0.013	B18-5	1,1-Dichloroethene	**0.11**		µg/L	0.013
B18-5	Trichloroethene	**0.22**		µg/L	0.013	B18-15	1,1,1-Trichloroethane	**1.8**		µg/L	0.013
B18-15	1,1-Dichloroethane	**0.26**		µg/L	0.013	B18-15	1,1-Dichloroethene	**0.67**		µg/L	0.013
B18-15	Trichloroethene	**0.81**		µg/L	0.013	B18-15	cis-1,2-Dichloroethene	**0.040**		µg/L	0.013
B12-5	1,1,1-Trichloroethane	**0.10**		µg/L	0.013	B12-5	1,1-Dichloroethene	**0.060**		µg/L	0.013
B12-15	1,1,1-Trichloroethane	**2.6**		µg/L	0.013	B12-15	1,1-Dichloroethane	**0.15**		µg/L	0.013
B12-15	1,1-Dichloroethene	**0.20**		µg/L	0.013	B12-15	Trichloroethene	**0.16**		µg/L	0.013
B16-5	1,1,1-Trichloroethane	**0.020**		µg/L	0.013						

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 001 **B8-5** Date & Time Sampled: 02/02/22 @ 7:25
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 001 **B8-5** Date & Time Sampled: 02/02/22 @ 7:25
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **B8-5**					Date & Time Sampled:		02/02/22 @	7:25
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	115		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	98		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	76		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 002 **B8-15**					Date & Time Sampled:		02/02/22 @	7:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 002 **B8-15** Date & Time Sampled: 02/02/22 @ 7:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 002 **B8-15** Date & Time Sampled: 02/02/22 @ 7:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **B8-15**					Date & Time Sampled:		02/02/22 @	7:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	115		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	107		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	83		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 003 **B9-5**					Date & Time Sampled:		02/02/22 @	8:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 003 **B9-5** Date & Time Sampled: 02/02/22 @ 8:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 **B9-5**					Date & Time Sampled:		02/02/22 @	8:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	98		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	84		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 004 **B9-15**					Date & Time Sampled:		02/02/22 @	8:30
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 004 **B9-15** Date & Time Sampled: 02/02/22 @ 8:30
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 004 **B9-15** Date & Time Sampled: 02/02/22 @ 8:30
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **B9-15**					Date & Time Sampled:		02/02/22 @	8:30
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	109		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	106		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	93		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 005 **B10-5**					Date & Time Sampled:		02/02/22 @	9:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 005 **B10-5** Date & Time Sampled: 02/02/22 @ 9:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 005 **B10-5** Date & Time Sampled: 02/02/22 @ 9:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **B10-5**					Date & Time Sampled:		02/02/22 @	9:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	101		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	81		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 006 **B10-15**					Date & Time Sampled:		02/02/22 @	9:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 006 **B10-15** Date & Time Sampled: 02/02/22 @ 9:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **B10-15**					Date & Time Sampled:		02/02/22 @	9:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	106		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	99		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	84		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 007 **B11-5**					Date & Time Sampled:		02/02/22 @	9:54
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 007 **B11-5** Date & Time Sampled: 02/02/22 @ 9:54
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 007 **B11-5** Date & Time Sampled: 02/02/22 @ 9:54
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **B11-5**					Date & Time Sampled:		02/02/22 @	9:54
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	100		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	101		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 008 **B11-15**					Date & Time Sampled:		02/02/22 @	10:19
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 008 **B11-15** Date & Time Sampled: 02/02/22 @ 10:19
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 008 **B11-15** Date & Time Sampled: 02/02/22 @ 10:19
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.11**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 **B11-15**					Date & Time Sampled:		02/02/22 @	10:19
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	111		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	93		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 009 **B17-5**					Date & Time Sampled:		02/02/22 @	10:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 009 **B17-5** Date & Time Sampled: 02/02/22 @ 10:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **B17-5**					Date & Time Sampled:		02/02/22 @	10:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	111		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	91		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 010 **B15-5**					Date & Time Sampled:		02/02/22 @	11:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 010 **B15-5** Date & Time Sampled: 02/02/22 @ 11:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 010 **B15-5** Date & Time Sampled: 02/02/22 @ 11:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 **B15-5**					Date & Time Sampled:		02/02/22 @	11:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	108		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	88		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 011 **B15-15**					Date & Time Sampled:		02/02/22 @	11:40
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 011 **B15-15** Date & Time Sampled: 02/02/22 @ 11:40
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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A & R Laboratories, Inc.

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 011 **B15-15** Date & Time Sampled: 02/02/22 @ 11:40
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **B15-15**					Date & Time Sampled:		02/02/22 @	11:40
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	112		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	97		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 012 **B18-5**					Date & Time Sampled:		02/02/22 @	12:02
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 012 **B18-5** Date & Time Sampled: 02/02/22 @ 12:02
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	**0.020**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.11**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 **B18-5**					Date & Time Sampled:		02/02/22 @	12:02
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	**0.12**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.22**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	98		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	103		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	88		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 013 **B18-15**					Date & Time Sampled:		02/02/22 @	12:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 013 **B18-15** Date & Time Sampled: 02/02/22 @ 12:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	**0.26**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 013 **B18-15** Date & Time Sampled: 02/02/22 @ 12:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.67**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	**0.040**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	**1.8**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 **B18-15**					Date & Time Sampled:		02/02/22 @	12:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.81**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	102		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	97		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 014 **B12-5**					Date & Time Sampled:		02/02/22 @	12:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 014 **B12-5** Date & Time Sampled: 02/02/22 @ 12:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.060**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 014 **B12-5** Date & Time Sampled: 02/02/22 @ 12:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 **B12-5**					Date & Time Sampled:		02/02/22 @	12:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	111		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	106		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	97		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 015 **B12-15**					Date & Time Sampled:		02/02/22 @	13:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 015 **B12-15** Date & Time Sampled: 02/02/22 @ 13:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	**0.15**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	**0.20**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 **B12-15**					Date & Time Sampled:		02/02/22 @	13:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	**2.6**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	**0.16**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	105		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	100		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	86		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 016 **B16-5**					Date & Time Sampled:		02/02/22 @	13:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 016 **B16-5**
Sample Matrix: **Air**
Purge Volume Sampled: **3**
Date & Time Sampled: 02/02/22 @ 13:45
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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CERTIFICATE OF ANALYSIS

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 016 **B16-5** Date & Time Sampled: 02/02/22 @ 13:45
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	**0.020**		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 016 **B16-5**					Date & Time Sampled:		02/02/22 @	13:45
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	102		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	103		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	97		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 017 **B16-15**					Date & Time Sampled:		02/02/22 @	14:12
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 017 **B16-15** Date & Time Sampled: 02/02/22 @ 14:12
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/07/22
Date Received	02/02/22
Invoice No.	94043
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 017 **B16-15** Date & Time Sampled: 02/02/22 @ 14:12
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 017 **B16-15**					Date & Time Sampled:		02/02/22 @	14:12
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	123		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	105		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	96		%REC	EPA 8260B		70-130	02/02/22	KZ
Sample: 018 **B16-15 DUP**					Date & Time Sampled:		02/02/22 @	14:12
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 018 **B16-15 DUP** Date & Time Sampled: 02/02/22 @ 14:12
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/02/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ

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Date Reported 02/07/22
Date Received 02/02/22
Invoice No. 94043
Cust # G093
Permit Number
Customer P.O.

Sample: 018 **B16-15 DUP** Date & Time Sampled: 02/02/22 @ 14:12
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/02/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/02/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/02/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/02/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	111		%REC	EPA 8260B		70-130	02/02/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/02/22	KZ
Bromofluorobenzene	92		%REC	EPA 8260B		70-130	02/02/22	KZ

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

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Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

2201-00242

Date Reported	**02/07/2022**
Date Received	**02/02/2022**
Date Sampled	**02/02/2022**
Invoice No.	**94043**
Customer #	**G093**
Customer P.O.	

Project: 301 Tennessee St., Redlands, CA 92373

Method # EPA 8260B
QC Reference # 100800 **Date Analyzed:** 2/2/2022 **Technician:** KZ
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR% REC
1,1-Dichloroethene	128	108	16.9	
Benzene	120	95	23.8	
Bromofluorobenzene				89
Chlorobenzene	101	92	9.8	
Dibromofluoromethan				110
Toluene	110	87	23.4	
Toluene-D8				105
Trichloroethene	113	90	23.4	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

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QUALITY CONTROL DATA REPORT

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR

Date Reported 02/07/2022
Date Received 02/02/2022
Date Sampled 02/02/2022

Project: 301 Tennessee St., Redlands, CA 92373

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL
100800	Acetone	<0.0650		µg/L	0.0650
	t-Amyl Methyl Ether (TAME)	<0.0065		µg/L	0.0065
	Benzene	<0.0031		µg/L	0.0031
	Bromobenzene	<0.0065		µg/L	0.0065
	Bromochloromethane	<0.0065		µg/L	0.0065
	Bromodichloromethane	<0.0065		µg/L	0.0065
	Bromoform	<0.0065		µg/L	0.0065
	Bromomethane	<0.0065		µg/L	0.0065
	t-Butanol (TBA)	<0.0650		µg/L	0.0650
	2-Butanone (MEK)	<0.0650		µg/L	0.0650
	n-Butylbenzene	<0.0065		µg/L	0.0065
	sec-Butylbenzene	<0.0065		µg/L	0.0065
	tert-Butylbenzene	<0.0065		µg/L	0.0065
	Carbon Disulfide	<0.0650		µg/L	0.0650
	Carbon Tetrachloride	<0.0033		µg/L	0.0033
	Chlorobenzene	<0.0065		µg/L	0.0065
	Chloroethane	<0.0065		µg/L	0.0065
	Chloroform	<0.0065		µg/L	0.0065
	Chloromethane	<0.0065		µg/L	0.0065
	2-Chlorotoluene	<0.0065		µg/L	0.0065
	4-Chlorotoluene	<0.0065		µg/L	0.0065
	Dibromochloromethane	<0.0065		µg/L	0.0065
	1,2-Dibromoethane (EDB)	<0.0065		µg/L	0.0065
	1,2-Dibromo-3-Chloropropane	<0.0065		µg/L	0.0065
	Dibromomethane	<0.0065		µg/L	0.0065
	1,2-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,3-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,4-Dichlorobenzene	<0.0065		µg/L	0.0065
	Dichlorodifluoromethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethane	<0.0065		µg/L	0.0065
	1,2-Dichloroethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethene	<0.0065		µg/L	0.0065
	cis-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	trans-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	1,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,3-Dichloropropane	<0.0065		µg/L	0.0065
	2,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,1-Dichloropropene	<0.0065		µg/L	0.0065
	cis-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	trans-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	Diisopropyl Ether (DiPE)	<0.0065		µg/L	0.0065
	Ethylbenzene	<0.0065		µg/L	0.0065
	Ethyl-t-Butyl Ether (EtBE)	<0.0065		µg/L	0.0065
	Hexachlorobutadiene	<0.0065		µg/L	0.0065
	2-Hexanone	<0.0650		µg/L	0.0650
	Isopropylbenzene	<0.0065		µg/L	0.0065
	4-Isopropyltoluene	<0.0065		µg/L	0.0065
	Methylene Chloride	<0.0065		µg/L	0.0065
	4-Methyl-2-Pentanone (MIBK)	<0.0650		µg/L	0.0650
	Methyl-t-butyl Ether (MtBE)	<0.0065		µg/L	0.0065
	Naphthalene	<0.0042		µg/L	0.0042
	n-Propylbenzene	<0.0065		µg/L	0.0065
	Styrene	<0.0065		µg/L	0.0065
	1,1,1,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	1,1,2,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	Tetrachloroethene	<0.0065		µg/L	0.0065
	Toluene	<0.0065		µg/L	0.0065
	1,2,3-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,2,4-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,1,1-Trichloroethane	<0.0065		µg/L	0.0065
	1,1,2-Trichloroethane	<0.0065		µg/L	0.0065
	Trichloroethene	<0.0065		µg/L	0.0065
	1,2,3-Trichloropropane	<0.0026		µg/L	0.0026
	Trichlorofluoromethane	<0.0065		µg/L	0.0065
	Trichlorotrifluoroethane	<0.0065		µg/L	0.0065
	1,2,4-Trimethylbenzene	<0.0065		µg/L	0.0065
	1,3,5-Trimethylbenzene	<0.0065		µg/L	0.0065
	Vinyl Chloride	<0.0003		µg/L	0.0003
	m,p-Xylenes	<0.0130		µg/L	0.0130
	o-Xylene	<0.0065		µg/L	0.0065
	Isopropanol (IPA)	<0.0650		µg/L	0.0650

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QUALITY CONTROL DATA REPORT

2201-00242

GSI ENVIRONMENTAL, INC.
FARID ACHOUR

Date Reported	**02/07/2022**
Date Received	**02/02/2022**
Date Sampled	**02/02/2022**

Project: 301 Tennessee St., Redlands, CA 92373

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL
A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2201-242

Client Name: GSI
E-mail: FARHOUR@GSI-NET.COM
Address: 19200 VON KARMAN AVE., STE. 800, IRVINE. CA 92612
Report Attention: FARID A. Phone #: 949-242-8287 Fax: #
Sampled By: KZ
Project No./ Name:
Project Site: 301 Tennessee St. Redland CA

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal MOBILE

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
-1	B8-5	2/2/22	7:25	Air		250ml G	X									
-2	↓ -15		7:50													
-3	B9-5		8:10													
-4	↓ -15		8:30													
-5	B10-5		9:00													
-6	↓ -15		9:20													
-7	B11-5		9:54													
-8	↓ -15		10:19													
-9	B17-5		10:45													
-10	B15-5		11:10													
-11	↓ -15		11:40													
-12	B18-5		12:02													
-13	↓ -15		12:20													
-14	B12-5		12:50													
-15	↓ -15	↓	13:10	↓		↓	↓									

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Corey	GSI	2/2/22	15:15		A2K	2/2/22	15:15
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

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E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2201-242

Client Name: GSI
E-mail: FACHOUR@GSI-NET.COM
Address: 19200 VON KARMAN STE. 800, IRVINE, CA 92612
Report Attention: FARID A | Phone #: 949 242 8287 | Fax: #
Sampled By: KZ
Project No./ Name:
Project Site: 301 Tennessee St. Redland, CA

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
-16	B1b-5	2/1/22	13:45	Air		250 ml G	X									
-17	-15	↓	14:12	↓		↓	↓									
-18	-15 DUP	↓	14:12	↓		↓	↓									

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Jorge B.	GSI	2/1/22	15:15		A2K	2/1/22	15:15
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 02/10/2022 13:12:29
Laboratory Job No. (Certificate of Analysis No.)	2202-00057
Project Name / No.	301 Tennessee St., Redlands, CA 92373
Dates Sampled (from/to)	02/07/22 To 02/07/22
Dates Received (from/to)	02/07/22 To 02/07/22
Dates Reported (from/to)	02/10/22 To 2/10/2022
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
MW-1-95	1,1,1-Trichloroethane	**0.080**		µg/L	0.013	MW-1-95	1,1-Dichloroethane	**0.060**		µg/L	0.013
MW-1-95	1,1-Dichloroethene	**0.80**		µg/L	0.013	MW-1-95	Trichloroethene	**0.39**		µg/L	0.013
SVP1-30	1,1-Dichloroethene	**0.10**		µg/L	0.013	SVP1-30	Trichloroethene	**0.050**		µg/L	0.013
SVP1-50	1,1-Dichloroethene	**0.10**		µg/L	0.013	SVP1-50	Trichloroethene	**0.030**		µg/L	0.013
SVP1-95	1,1-Dichloroethene	**1.7**		µg/L	0.013	SVP1-95	Trichloroethene	**0.36**		µg/L	0.013
SVP2-15	Chloroform	**0.030**		µg/L	0.013	SVP2-30	Chloroform	**0.070**		µg/L	0.013
SVP2-50	Chloroform	**0.080**		µg/L	0.013	SVP2-75	1,1-Dichloroethene	**0.020**		µg/L	0.013
SVP2-75	Chloroform	**0.060**		µg/L	0.013						

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **MW-1-95**					Date & Time Sampled:		02/07/22 @	8:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	**0.060**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 001 **MW-1-95** Date & Time Sampled: 02/07/22 @ 8:15
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	**0.80**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	**0.080**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **MW-1-95**					Date & Time Sampled:		02/07/22 @	8:15
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	**0.39**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	112		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	95		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	87		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 002 **SVP1-5**					Date & Time Sampled:		02/07/22 @	11:28
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ

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2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 002 **SVP1-5** Date & Time Sampled: 02/07/22 @ 11:28
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 002 **SVP1-5** Date & Time Sampled: 02/07/22 @ 11:28
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **SVP1-5**					Date & Time Sampled:		02/07/22 @	11:28
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	115		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	106		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	88		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 003 **SVP1-15**					Date & Time Sampled:		02/07/22 @	9:25
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 003 **SVP1-15** Date & Time Sampled: 02/07/22 @ 9:25
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 **SVP1-15**					Date & Time Sampled:		02/07/22 @	9:25
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	109		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	106		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	85		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 004 **SVP1-30**					Date & Time Sampled:		02/07/22 @	9:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 004 **SVP1-30** Date & Time Sampled: 02/07/22 @ 9:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 004 **SVP1-30** Date & Time Sampled: 02/07/22 @ 9:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **SVP1-30**					Date & Time Sampled:		02/07/22 @	9:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	**0.050**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	114		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	105		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	101		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 005 **SVP1-50**					Date & Time Sampled:		02/07/22 @	10:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ

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IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 005 **SVP1-50** Date & Time Sampled: 02/07/22 @ 10:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	**0.10**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 005 **SVP1-50** Date & Time Sampled: 02/07/22 @ 10:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	**0.030**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **SVP1-50**					Date & Time Sampled:		02/07/22 @	10:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	114		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	105		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	97		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 006 **SVP1-75**					Date & Time Sampled:		02/07/22 @	10:35
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 006 **SVP1-75** Date & Time Sampled: 02/07/22 @ 10:35
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **SVP1-75**					Date & Time Sampled:		02/07/22 @	10:35
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	127		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	99		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	88		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 007 **SVP1-95**					Date & Time Sampled:		02/07/22 @	11:02
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 007 **SVP1-95** Date & Time Sampled: 02/07/22 @ 11:02
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 007 **SVP1-95** Date & Time Sampled: 02/07/22 @ 11:02
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	**1.7**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **SVP1-95**					Date & Time Sampled:		02/07/22 @	11:02
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	**0.36**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	120		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	107		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	101		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 008 **SVP2-5**					Date & Time Sampled:		02/07/22 @	12:06
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ

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2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Sample: 008 **SVP2-5** Date & Time Sampled: 02/07/22 @ 12:06
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 008 **SVP2-5** Date & Time Sampled: 02/07/22 @ 12:06
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 **SVP2-5**					Date & Time Sampled:		02/07/22 @	12:06
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	116		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	109		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	96		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 009 **SVP2-15**					Date & Time Sampled:		02/07/22 @	12:30
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	**0.030**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 009 **SVP2-15** Date & Time Sampled: 02/07/22 @ 12:30
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **SVP2-15**					Date & Time Sampled:		02/07/22 @	12:30
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	125		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	104		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	88		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 010 **SVP2-30**					Date & Time Sampled:		02/07/22 @	13:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 010 **SVP2-30** Date & Time Sampled: 02/07/22 @ 13:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	**0.070**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 010 **SVP2-30** Date & Time Sampled: 02/07/22 @ 13:00
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 **SVP2-30**					Date & Time Sampled:		02/07/22 @	13:00
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	117		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	114		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	91		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 011 **SVP2-50**					Date & Time Sampled:		02/07/22 @	13:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 011 **SVP2-50** Date & Time Sampled: 02/07/22 @ 13:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	**0.080**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 011 **SVP2-50** Date & Time Sampled: 02/07/22 @ 13:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 **SVP2-50**					Date & Time Sampled:		02/07/22 @	13:20
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	119		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	107		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	95		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 012 **SVP2-75**					Date & Time Sampled:		02/07/22 @	13:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	**0.060**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 012 **SVP2-75** Date & Time Sampled: 02/07/22 @ 13:50
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	**0.020**		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Cust # G093
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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 **SVP2-75**					Date & Time Sampled:		02/07/22 @	13:50
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	130		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	108		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	104		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 013 **SVP2-95**					Date & Time Sampled:		02/07/22 @	14:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								

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Permit Number
Customer P.O.

Sample: 013 **SVP2-95** Date & Time Sampled: 02/07/22 @ 14:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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CERTIFICATE OF ANALYSIS

2202-00057

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 013 **SVP2-95** Date & Time Sampled: 02/07/22 @ 14:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 **SVP2-95**					Date & Time Sampled:		02/07/22 @	14:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	122		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	102		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	86		%REC	EPA 8260B		70-130	02/07/22	KZ
Sample: 014 **SVP2-95**					Date & Time Sampled:		02/07/22 @	14:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
[VOCs by GCMS]								
Acetone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
t-Amyl Methyl Ether (TAME)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Benzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromodichloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromoform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Bromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
t-Butanol (TBA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
2-Butanone (MEK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ

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Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 014 **SVP2-95** Date & Time Sampled: 02/07/22 @ 14:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
n-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
sec-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
tert-Butylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Carbon Disulfide	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Carbon Tetrachloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
Chlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloroform	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Chloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Chlorotoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromochloromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromoethane (EDB)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dibromo-3-Chloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dibromomethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,4-Dichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Dichlorodifluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,2-Dichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2,2-Dichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
cis-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
trans-1,3-Dichloropropene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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SUITE 800
IRVINE, CA 92612

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported 02/10/22
Date Received 02/07/22
Invoice No. 94111
Cust # G093
Permit Number
Customer P.O.

Sample: 014 **SVP2-95** Date & Time Sampled: 02/07/22 @ 14:10
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Diisopropyl Ether (DiPE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Hexachlorobutadiene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
2-Hexanone	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Isopropylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
4-Isopropyltoluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Methylene Chloride	<0.01		µg/L	EPA 8260B	0.1	0.01	02/07/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Naphthalene	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
n-Propylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Styrene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2,2-Tetrachloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Tetrachloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Toluene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trichlorobenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,1-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,1,2-Trichloroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichloroethene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,3-Trichloropropane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorofluoromethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Trichlorotrifluoroethane	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,2,4-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
1,3,5-Trimethylbenzene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ
Vinyl Chloride	<0.0065		µg/L	EPA 8260B	0.1	0.0065	02/07/22	KZ
m,p-Xylenes	<0.026		µg/L	EPA 8260B	0.1	0.026	02/07/22	KZ
o-Xylene	<0.013		µg/L	EPA 8260B	0.1	0.013	02/07/22	KZ

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Date Reported	02/10/22
Date Received	02/07/22
Invoice No.	94111
Cust #	G093
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 **SVP2-95**					Date & Time Sampled:		02/07/22 @	14:10
Sample Matrix: **Air**								
Purge Volume Sampled: **3**								
.....continued								
[VOC Vapor Sampling Tracer]								
Isopropanol (IPA)	<0.13		µg/L	EPA 8260B	0.1	0.13	02/07/22	KZ
[VOC Surrogates]								
Dibromofluoromethane	117		%REC	EPA 8260B		70-130	02/07/22	KZ
Toluene-D8	110		%REC	EPA 8260B		70-130	02/07/22	KZ
Bromofluorobenzene	90		%REC	EPA 8260B		70-130	02/07/22	KZ

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

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QUALITY CONTROL DATA REPORT

GSI ENVIRONMENTAL, INC.
FARID ACHOUR
19200 VON KARMAN AVENUE
SUITE 800
IRVINE, CA 92612

2202-00057

Project: 301 Tennessee St., Redlands, CA 92373

Date Reported	**02/10/2022**
Date Received	**02/07/2022**
Date Sampled	**02/07/2022**
Invoice No.	**94111**
Customer #	**G093**
Customer P.O.	

Method # EPA 8260B
QC Reference # 100934 **Date Analyzed:** 2/7/2022 **Technician:** KZ
Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR%REC
1,1-Dichloroethene	79	96	18.9	
Benzene	78	88	12.4	
Bromofluorobenzene				86
Chlorobenzene	71	77	7.9	
Dibromofluoromethane				103
Toluene	73	86	16.9	
Toluene-D8				98
Trichloroethene	70	82	15.3	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

No method blank results were above reporting limit

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: 2202-57

Page 1 of 1

Client Name: GSI
E-mail: Fachour@gsi-net.com
Address: 19200 Von Karman Ave, Irvine, CA 92612 ~~Ste#800~~
Report Attention: Farid A. | Phone #/Fax: 949242 8287 | Sampled By: KZ
Project No./ Name:
Project Site: 301 Tennessee St. Redlands, CA

☐ Chilled ☐ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	8260B / 8015 (Gasoline)	8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
-1	MW-1-95	2/7/22	8:15	Air		250 ml G	X									
-2	SVP1-5		11:28													
-3	-15		9:25													
-4	-30		9:50													
-5	-50		10:10													
-6	-75		10:35													
-7	-95		11:02													
-8	SVP2-5		12:06													
-9	-15		12:30													
-10	-30		13:00													
-11	-50		13:20													
-12	-75		13:50													
-13	-95		14:10													
-14	-95		14:10													

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Chris Guy	GSI	2/7/22	15:00		AAK	2/7/22	15:00
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

GSI Job No.: 6127

Results of Limited Phase II Site Investigation
ACC BLD, LLC: Redlands
Former La-Z-Boy West Facility
301 Tennessee Street
Redlands, California 92373

Attachment E

Groundwater Analytical Reports

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

February 09, 2022

Farid Achour
GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Report No.: 2202037
Project Name: Former La-Z-Boy Redlands / 6127

Dear Farid Achour,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on February 04, 2022.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-WATER Water (2202037-01) Sampled: 02/02/22 08:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl chloride (Chloroethylene)	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromomethane (Methyl bromide)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichlorofluoromethane (FC-11)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethanol	ND		1	ug/L	500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon disulfide	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methylene chloride (Dichloromethane)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Acetone	ND		1	ug/L	10.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methyl tert-butyl ether (MTBE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-butyl alcohol	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Di-isopropyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethyl tert-butyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl acetate	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromochloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroform	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon tetrachloride	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1-Trichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Butanone (MEK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Benzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-amyl methyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloroethane	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichloroethene (TCE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromomethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromodichloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dioxane	ND		1	ug/L	25.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chloroethyl vinyl ether	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,3-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Toluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tetrachloroethene (PCE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Methyl-2-pentanone (MIBK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,3-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2-Trichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromochloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dibromoethane (EDB)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Hexanone (MBK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1,2-Tetrachloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-WATER Water (2202037-01) Sampled: 02/02/22 08:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
m,p-Xylene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
o-Xylene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Styrene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromoform (Tribromomethane)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Isopropylbenzene (Cumene)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Propylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2,2-Tetrachloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chlorotoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3,5-Trimethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Chlorotoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
tert-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trimethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
sec-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Isopropyltoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Hexachlorobutadiene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Naphthalene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Surrogate: Dibromofluoromethane	*97.1 %*			*67-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: Toluene-d8	*96.9 %*			*80-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: 4-Bromofluorobenzene	*95.0 %*			*76-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*

Sample ID: GSI-B1-WATER-DUP Water (2202037-02) Sampled: 02/02/22 08:10 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl chloride (Chloroethylene)	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromomethane (Methyl bromide)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichlorofluoromethane (FC-11)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethanol	ND		1	ug/L	500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon disulfide	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methylene chloride (Dichloromethane)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Acetone	ND		1	ug/L	10.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methyl tert-butyl ether (MTBE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-butyl alcohol	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Di-isopropyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethyl tert-butyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl acetate	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-WATER-DUP Water (2202037-02) Sampled: 02/02/22 08:10 Received: 02/04/22

2,2-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,2-Dichloroethene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromochloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroform	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon tetrachloride	ND	1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1-Trichloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Butanone (MEK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Benzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-amyl methyl ether	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloroethane	ND	1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichloroethene (TCE)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromomethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromodichloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dioxane	ND	1	ug/L	25.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chloroethyl vinyl ether	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,3-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Toluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tetrachloroethene (PCE)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Methyl-2-pentanone (MIBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,3-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2-Trichloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromochloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dibromoethane (EDB)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Hexanone (MBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
m,p-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
o-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Styrene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromoform (Tribromomethane)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Isopropylbenzene (Cumene)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Propylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3,5-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
tert-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
sec-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Isopropyltoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B1-WATER-DUP Water (2202037-02) Sampled: 02/02/22 08:10 Received: 02/04/22

1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Hexachlorobutadiene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Naphthalene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Surrogate: Dibromofluoromethane	*97.3 %*		*67-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: Toluene-d8	*96.9 %*		*80-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: 4-Bromofluorobenzene	*91.4 %*		*76-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*

Sample ID: GSI-B2-WATER Water (2202037-03) Sampled: 02/02/22 11:00 Received: 02/04/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl chloride (Chloroethylene)	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromomethane (Methyl bromide)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichlorofluoromethane (FC-11)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethanol	ND		1	ug/L	500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon disulfide	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methylene chloride (Dichloromethane)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Acetone	ND		1	ug/L	10.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Methyl tert-butyl ether (MTBE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-butyl alcohol	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Di-isopropyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethyl tert-butyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Vinyl acetate	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromochloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chloroform	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Carbon tetrachloride	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1-Trichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Butanone (MEK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Benzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tert-amyl methyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloroethane	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Trichloroethene (TCE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromomethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromodichloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dioxane	ND		1	ug/L	25.0	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chloroethyl vinyl ether	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
cis-1,3-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Toluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Tetrachloroethene (PCE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816

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Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Sample ID: GSI-B2-WATER Water (2202037-03) Sampled: 02/02/22 11:00 Received: 02/04/22

4-Methyl-2-pentanone (MIBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
trans-1,3-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2-Trichloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Dibromochloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dibromoethane (EDB)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Hexanone (MBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Chlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Ethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,1,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
m,p-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
o-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Styrene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromoform (Tribromomethane)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Isopropylbenzene (Cumene)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Bromobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Propylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,1,2,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
2-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3,5-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
tert-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
sec-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
4-Isopropyltoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,3-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,4-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
n-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,4-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Hexachlorobutadiene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Naphthalene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
1,2,3-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/07/22	02/07/22	mb	BB20816
Surrogate: Dibromofluoromethane	*98.1 %*		*67-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: Toluene-d8	*96.3 %*		*80-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*
Surrogate: 4-Bromofluorobenzene	*91.3 %*		*76-120*		*EPA 5030B*	*EPA 8260B*	*02/07/22*	*02/07/22*	*mb*	*BB20816*

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File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20816 - EPA 5030B										
Blank	**Prepared & Analyzed: 02/07/22**									
Dichlorodifluoromethane (FC-12)	ND	1.00	ug/L							
Chloromethane	ND	1.00	ug/L							
Vinyl chloride (Chloroethylene)	ND	0.500	ug/L							
Bromomethane (Methyl bromide)	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Trichlorofluoromethane (FC-11)	ND	1.00	ug/L							
Ethanol	ND	500	ug/L							
1,1-Dichloroethene	ND	1.00	ug/L							
Carbon disulfide	ND	5.00	ug/L							
Methylene chloride (Dichloromethane)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
trans-1,2-Dichloroethene	ND	1.00	ug/L							
Methyl tert-butyl ether (MTBE)	ND	1.00	ug/L							
Tert-butyl alcohol	ND	5.00	ug/L							
Di-isopropyl ether	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
Ethyl tert-butyl ether	ND	1.00	ug/L							
Vinyl acetate	ND	5.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
cis-1,2-Dichloroethene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Chloroform	ND	1.00	ug/L							
Carbon tetrachloride	ND	0.500	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
2-Butanone (MEK)	ND	5.00	ug/L							
Benzene	ND	1.00	ug/L							
Tert-amyl methyl ether	ND	1.00	ug/L							
1,2-Dichloroethane	ND	0.500	ug/L							
Trichloroethene (TCE)	ND	1.00	ug/L							
Dibromomethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	1.00	ug/L							
Bromodichloromethane	ND	1.00	ug/L							
1,4-Dioxane	ND	25.0	ug/L							
2-Chloroethyl vinyl ether	ND	5.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Tetrachloroethene (PCE)	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20816 - EPA 5030B										
1,1,2-Trichloroethane	ND	1.00	ug/L							
Dibromochloromethane	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							
m,p-Xylene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
Bromoform (Tribromomethane)	ND	1.00	ug/L							
Isopropylbenzene (Cumene)	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
Surrogate: Dibromofluoromethane	*14.3*		ug/L	*15.00*		*95.1*	*67-120*			
Surrogate: Toluene-d8	*14.4*		ug/L	*15.00*		*96.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.1*		ug/L	*15.00*		*93.9*	*76-120*			
LCS	**Prepared & Analyzed: 02/07/22**									
1,1-Dichloroethene	17.7	1.00	ug/L	20.00		88.6	77-138			
Methyl tert-butyl ether (MTBE)	16.2	1.00	ug/L	20.00		80.9	69-127			
Benzene	17.8	1.00	ug/L	20.00		89.2	80-124			
Trichloroethene (TCE)	19.6	1.00	ug/L	20.00		98.0	80-124			

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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/04/22
PLS Report No.: 2202037

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20816 - EPA 5030B										
1,4-Dioxane	95.6	25.0	ug/L	100.0		95.6	37-179			
Toluene	18.5	1.00	ug/L	20.00		92.4	80-122			
Chlorobenzene	20.5	1.00	ug/L	20.00		103	80-120			
Surrogate: Dibromofluoromethane	*13.9*		ug/L	*15.00*		*92.6*	*80-120*			
Surrogate: Toluene-d8	*14.6*		ug/L	*15.00*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.2*		ug/L	*15.00*		*94.3*	*80-120*			
Matrix Spike **Source: 2202037-03**	**Prepared & Analyzed: 02/07/22**									
1,1-Dichloroethene	19.8	1.00	ug/L	20.00	ND	98.8	56-150			
Benzene	17.4	1.00	ug/L	20.00	ND	87.0	63-134			
Trichloroethene (TCE)	19.0	1.00	ug/L	20.00	ND	94.9	62-141			
Toluene	17.6	1.00	ug/L	20.00	ND	88.2	68-128			
Chlorobenzene	20.1	1.00	ug/L	20.00	ND	101	68-126			
Surrogate: Dibromofluoromethane	*14.0*		ug/L	*15.00*		*93.5*	*72-120*			
Surrogate: Toluene-d8	*14.5*		ug/L	*15.00*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.3*		ug/L	*15.00*		*95.6*	*80-120*			
Matrix Spike Dup **Source: 2202037-03**	**Prepared & Analyzed: 02/07/22**									
1,1-Dichloroethene	19.2	1.00	ug/L	20.00	ND	96.2	56-150	2.72	20	
Benzene	19.0	1.00	ug/L	20.00	ND	95.2	63-134	9.11	20	
Trichloroethene (TCE)	21.1	1.00	ug/L	20.00	ND	106	62-141	10.6	20	
Toluene	19.8	1.00	ug/L	20.00	ND	98.8	68-128	11.4	20	
Chlorobenzene	22.6	1.00	ug/L	20.00	ND	113	68-126	11.8	20	
Surrogate: Dibromofluoromethane	*13.9*		ug/L	*15.00*		*92.4*	*72-120*			
Surrogate: Toluene-d8	*14.5*		ug/L	*15.00*		*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.4*		ug/L	*15.00*		*96.1*	*80-120*			

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

GSI ENVIRONMENTAL

CHAIN-OF-CUSTODY RECORD

Date: 2-4-22

Page 1 of 1

220237

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Former La Z Boy Redlands	PROJECT NO.: 6127
	PROJECT CONTACT: Farid Achour	LAB CONTACT:
	GLOBAL ID:	SAMPLER(S): (PRINT) Corey S.
TEL: (949) 679-1070	E-MAIL: fachour@gsi-net.com	
LABORATORY: Positive		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs
	GSI-B1-Water	2/2/22	0900	AQ	3		X		X
	GSI-B1-Water-DUP		0810		3				X
	GSI-B2-Water		1100		3				X
CSD	~~MW-1-20220202~~	↓		↓	~~3~~		↓		X

Relinquished by: (Signature)	Received by: (Signature)	Date: 2-4-22	Time: 0800
Relinquished by: (Signature) for Juan Barajas	Received by: (Signature) Juan Barajas Arrived at the lab	Date: 2-4-22	Time: 0730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

3.9°C -.2°CF

3.7°C #66

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

February 09, 2022

Farid Achour
GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Report No.: 2202049
Project Name: Former La-Z-Boy Redlands / 6127

Dear Farid Achour,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on February 07, 2022.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

GSI Environmental, Inc.
19200 Von Karman Avenue, Suite 800
Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/07/22
PLS Report No.: 2202049

Project: Former La-Z-Boy Redlands / 6127

Sample ID: MW-1-20220207 Water (2202049-01) Sampled: 02/07/22 10:00 Received: 02/07/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Vinyl chloride (Chloroethylene)	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromomethane (Methyl bromide)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Trichlorofluoromethane (FC-11)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethanol	ND		1	ug/L	500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloroethene	**11.5**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Carbon disulfide	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Methylene chloride (Dichloromethane)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Acetone	ND		1	ug/L	10.0	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
trans-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Methyl tert-butyl ether (MTBE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tert-butyl alcohol	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Di-isopropyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloroethane	**5.00**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethyl tert-butyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Vinyl acetate	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
cis-1,2-Dichloroethene	**1.70**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromochloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloroform	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Carbon tetrachloride	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,1-Trichloroethane	**1.03**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Butanone (MEK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Benzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tert-amyl methyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichloroethane	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Trichloroethene (TCE)	**20.7**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Dibromomethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromodichloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,4-Dioxane	ND		1	ug/L	25.0	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Chloroethyl vinyl ether	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
cis-1,3-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Toluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tetrachloroethene (PCE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Methyl-2-pentanone (MIBK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
trans-1,3-Dichloropropene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,2-Trichloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Dibromochloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3-Dichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dibromoethane (EDB)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Hexanone (MBK)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,1,2-Tetrachloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825

POSITIVE LAB SERVICE

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/07/22
PLS Report No.: 2202049

Project: Former La-Z-Boy Redlands / 6127

Sample ID: MW-1-20220207 Water (2202049-01) Sampled: 02/07/22 10:00 Received: 02/07/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
m,p-Xylene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
o-Xylene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Styrene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromoform (Tribromomethane)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Isopropylbenzene (Cumene)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
n-Propylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,2,2-Tetrachloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Chlorotoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,3-Trichloropropane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3,5-Trimethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Chlorotoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
tert-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,4-Trimethylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
sec-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Isopropyltoluene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,4-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
n-Butylbenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,4-Trichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Hexachlorobutadiene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Naphthalene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,3-Trichlorobenzene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Surrogate: Dibromofluoromethane	*95.3 %*			*67-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*
Surrogate: Toluene-d8	*96.4 %*			*80-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*
Surrogate: 4-Bromofluorobenzene	*93.1 %*			*76-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*

Sample ID: MW-1-DUP-20220207 Water (2202049-02) Sampled: 02/07/22 10:05 Received: 02/07/22

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloromethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Vinyl chloride (Chloroethylene)	ND		1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromomethane (Methyl bromide)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloroethane	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Trichlorofluoromethane (FC-11)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethanol	ND		1	ug/L	500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloroethene	**9.82**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Carbon disulfide	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Methylene chloride (Dichloromethane)	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Acetone	ND		1	ug/L	10.0	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
trans-1,2-Dichloroethene	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Methyl tert-butyl ether (MTBE)	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tert-butyl alcohol	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Di-isopropyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloroethane	**4.74**		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethyl tert-butyl ether	ND		1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Vinyl acetate	ND		1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825

POSITIVE LAB SERVICE

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Certificate of Analysis

GSI Environmental, Inc.
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Irvine, CA 92612

Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/07/22
PLS Report No.: 2202049

Project: Former La-Z-Boy Redlands / 6127

Sample ID: MW-1-DUP-20220207 Water (2202049-02) Sampled: 02/07/22 10:05 Received: 02/07/22

2,2-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
cis-1,2-Dichloroethene	**1.59**	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromochloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chloroform	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Carbon tetrachloride	ND	1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,1-Trichloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Butanone (MEK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Benzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tert-amyl methyl ether	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichloroethane	ND	1	ug/L	0.500	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Trichloroethene (TCE)	**18.8**	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Dibromomethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromodichloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,4-Dioxane	ND	1	ug/L	25.0	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Chloroethyl vinyl ether	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
cis-1,3-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Toluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Tetrachloroethene (PCE)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Methyl-2-pentanone (MIBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
trans-1,3-Dichloropropene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,2-Trichloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Dibromochloromethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3-Dichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dibromoethane (EDB)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Hexanone (MBK)	ND	1	ug/L	5.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Chlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Ethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,1,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
m,p-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
o-Xylene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Styrene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromoform (Tribromomethane)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Isopropylbenzene (Cumene)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Bromobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
n-Propylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,1,2,2-Tetrachloroethane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
2-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,3-Trichloropropane	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3,5-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Chlorotoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
tert-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,4-Trimethylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
sec-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
4-Isopropyltoluene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,3-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,4-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
n-Butylbenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2-Dichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825

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Attn: Farid Achour Phone: (949) 679-1070 FAX:

File #:75387
Report Date: 02/09/22
Submitted: 02/07/22
PLS Report No.: 2202049

Project: Former La-Z-Boy Redlands / 6127

Sample ID: MW-1-DUP-20220207	**Water**	**(2202049-02)**	**Sampled: 02/07/22 10:05**		**Received: 02/07/22**					
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,4-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Hexachlorobutadiene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Naphthalene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
1,2,3-Trichlorobenzene	ND	1	ug/L	1.00	EPA 5030B	EPA 8260B	02/08/22	02/08/22	mb	BB20825
Surrogate: Dibromofluoromethane	*92.2 %*		*67-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*
Surrogate: Toluene-d8	*96.3 %*		*80-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*
Surrogate: 4-Bromofluorobenzene	*91.3 %*		*76-120*		*EPA 5030B*	*EPA 8260B*	*02/08/22*	*02/08/22*	*mb*	*BB20825*

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Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20825 - EPA 5030B										
Blank	**Prepared & Analyzed: 02/08/22**									
Dichlorodifluoromethane (FC-12)	ND	1.00	ug/L							
Chloromethane	ND	1.00	ug/L							
Vinyl chloride (Chloroethylene)	ND	0.500	ug/L							
Bromomethane (Methyl bromide)	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Trichlorofluoromethane (FC-11)	ND	1.00	ug/L							
Ethanol	ND	500	ug/L							
1,1-Dichloroethene	ND	1.00	ug/L							
Carbon disulfide	ND	5.00	ug/L							
Methylene chloride (Dichloromethane)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
trans-1,2-Dichloroethene	ND	1.00	ug/L							
Methyl tert-butyl ether (MTBE)	ND	1.00	ug/L							
Tert-butyl alcohol	ND	5.00	ug/L							
Di-isopropyl ether	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
Ethyl tert-butyl ether	ND	1.00	ug/L							
Vinyl acetate	ND	5.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
cis-1,2-Dichloroethene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Chloroform	ND	1.00	ug/L							
Carbon tetrachloride	ND	0.500	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
2-Butanone (MEK)	ND	5.00	ug/L							
Benzene	ND	1.00	ug/L							
Tert-amyl methyl ether	ND	1.00	ug/L							
1,2-Dichloroethane	ND	0.500	ug/L							
Trichloroethene (TCE)	ND	1.00	ug/L							
Dibromomethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	1.00	ug/L							
Bromodichloromethane	ND	1.00	ug/L							
1,4-Dioxane	ND	25.0	ug/L							
2-Chloroethyl vinyl ether	ND	5.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
Tetrachloroethene (PCE)	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							

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File #:75387
Report Date: 02/09/22
Submitted: 02/07/22
PLS Report No.: 2202049

Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20825 - EPA 5030B										
1,1,2-Trichloroethane	NO	1.00	ug/L							
Dibromochloromethane	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							
m,p-Xylene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
Bromoform (Tribromomethane)	ND	1.00	ug/L							
Isopropylbenzene (Cumene)	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
Surrogate: Dibromofluoromethane	*13.7*		ug/L	*15.00*		*91.5*	*67-120*			
Surrogate: Toluene-d8	*14.3*		ug/L	*15.00*		*95.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*13.8*		ug/L	*15.00*		*91.9*	*76-120*			
LCS	**Prepared & Analyzed: 02/08/22**									
1,1-Dichloroethene	20.7	1.00	ug/L	20.00		104	77-138			
Methyl tert-butyl ether (MTBE)	17.4	1.00	ug/L	20.00		87.2	69-127			
Benzene	18.8	1.00	ug/L	20.00		94.2	80-124			
Trichloroethene (TCE)	20.7	1.00	ug/L	20.00		103	80-124			

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Project: Former La-Z-Boy Redlands / 6127

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BB20825 - EPA 5030B										
1,4-Dioxane	122	25.0	ug/L	100.0		122	37-179			
Toluene	19.5	1.00	ug/L	20.00		97.4	80-122			
Chlorobenzene	21.2	1.00	ug/L	20.00		106	80-120			
Surrogate: Dibromofluoromethane	*14.1*		ug/L	*15.00*		*94.1*	*80-120*			
Surrogate: Toluene-d8	*14.7*		ug/L	*15.00*		*98.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.2*		ug/L	*15.00*		*94.9*	*80-120*			
Matrix Spike **Source: 2202049-01**	**Prepared & Analyzed: 02/08/22**									
1,1-Dichloroethene	30.5	1.00	ug/L	20.00	11.5	94.7	56-150			
Benzene	18.5	1.00	ug/L	20.00	ND	92.4	63-134			
Trichloroethene (TCE)	39.6	1.00	ug/L	20.00	20.7	94.5	62-141			
Toluene	20.6	1.00	ug/L	20.00	ND	103	68-128			
Chlorobenzene	23.4	1.00	ug/L	20.00	ND	117	68-126			
Surrogate: Dibromofluoromethane	*14.3*		ug/L	*15.00*		*95.5*	*72-120*			
Surrogate: Toluene-d8	*14.6*		ug/L	*15.00*		*97.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.5*		ug/L	*15.00*		*96.6*	*80-120*			
Matrix Spike Dup **Source: 2202049-01**	**Prepared & Analyzed: 02/08/22**									
1,1-Dichloroethene	28.5	1.00	ug/L	20.00	11.5	84.8	56-150	11.0	20	
Benzene	18.9	1.00	ug/L	20.00	ND	94.4	63-134	2.14	20	
Trichloroethene (TCE)	38.6	1.00	ug/L	20.00	20.7	89.4	62-141	5.66	20	
Toluene	19.1	1.00	ug/L	20.00	ND	95.3	68-128	8.01	20	
Chlorobenzene	22.1	1.00	ug/L	20.00	ND	111	68-126	5.49	20	
Surrogate: Dibromofluoromethane	*14.4*		ug/L	*15.00*		*96.0*	*72-120*			
Surrogate: Toluene-d8	*14.5*		ug/L	*15.00*		*96.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*14.3*		ug/L	*15.00*		*95.1*	*80-120*			

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

220049

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
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Chain of Custody

Project Name: Former LAZY BOY 301 TENNESSEE ST, Redlands

Job Number:

TAT: ~~STANDARD~~ 5 DAY 2 DAY 24 HOUR OTHER:

Lab: Positive LABS	Site Address: 301 TENNESSEE ST, Redlands	Confluence PM: Eric Morse
Address: city of Commerce	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact: John Schmidt / Jimmie Sanchez	Include EDF w/ Report: ~~Yes~~ No	Confluence Log Code: CESC
Phone/ Fax:	Consultant / PM: FARID ACHOUR	Report to:
	Phone / Fax: 949 242 8287	Invoice to:

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: VOCs	Notes and Comments
	MW-1-20220207	1000	2/7/22		X			3				X		✓	
	MW-1-DUP-20220207	1005	1		X			3				X		✓	

Sampler's Name: ANDREW GRABOW	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Confluence Environmental	CGI	2/7/22	1410		2/7/22	1410
Shipment Date:				Arrived at the lab		
Shipment Method:						

Special Instructions: EDF NOT NEEDED PER FARID 02/08/22 VIA E-MAIL

1.3°C - Wet
1.1°C #66

Table 1 - Indoor Air VOC Data, February 2021

301 Tennessee Street

Redlands, California

Sample Date	Sample Location	Sample Height (ft)	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,4-Dichloro-benzene	Benzene	Carbon Tetrachloride	Chloroform	Methylene Chloride	Naphthalene	Tetrachloro-ethene	Trichloro-ethene
			Results in ug/m3									
February 1, 2021	SC-1	4	ND<0.040	**0.084**	ND<0.060	**0.89**	**0.49**	**0.17**	**1.6**	**0.12**	**ND<0.063**	ND<0.059
	SC-2	4	ND<0.040	**0.1**	ND<0.060	**1.40**	**0.49**	**0.18**	**1.9**	**0.28**	**0.068**	ND<0.054
	SC-3	4	ND<0.045	**0.099**	ND<0.066	**1.30**	**0.49**	**0.19**	**1.9**	**0.2**	**ND<0.075**	ND<0.059
	SC-4	4	ND<0.045	**0.097**	**0.073**	**0.97**	**0.49**	**0.21**	**0.73**	**0.12**	**7.1**	ND<0.059
	SC-5	4	ND<0.045	**0.095**	**0.074**	**0.93**	**0.49**	**0.22**	**3**	**0.12**	**6.3**	ND<0.059
	SC-6	4	ND<0.040	**0.1**	**0.078**	**0.98**	**0.49**	**0.22**	**2.1**	**0.14**	**8.4**	ND<0.054
	SC-7	4	ND<0.049	**0.11**	**0.073**	**0.93**	**0.49**	**0.24**	**3.4**	**0.075**	**9.6**	ND<0.064
	SC-8	4	ND<0.040	**0.099**	**0.076**	**0.92**	**0.49**	**0.22**	**1.3**	**0.13**	**7.6**	ND<0.054
	SC-9	4	ND<0.040	**0.094**	**0.076**	**0.96**	**0.5**	**0.23**	**2.1**	**0.12**	**14**	ND<0.054
	SC-10	4	ND<0.045	**0.093**	**0.093**	**0.94**	**0.48**	**0.22**	**0.71**	**0.16**	**13**	ND<0.059
	SC-11	4	ND<0.040	**0.095**	**0.078**	**0.92**	**0.49**	**0.22**	**1.3**	**0.13**	**10**	ND<0.054
	SC-12	4	ND<0.040	**0.095**	**0.081**	**1.00**	**0.5**	**0.22**	**1.5**	**0.13**	**4.2**	ND<0.054
Indoor Air Commercial ESL			**7.7**	**0.47**	**1.1**	**0.42**	**2**	**0.53**	**12**	**0.36**	**2**	**3**

Notes:

Bold - Constituent detected above laboratory reporting limit

Shaded - Constituent detected above Vapor ESLs for commercial/industrial indoor air at cancer or non-cancer screening levels

ESL - Environmental Screening Levels

Screening levels are from the San Francisco Bay Regional Water Quality Control Board's 2019 (Rev 2) document

SC-1 is located outside and upwind of the Main Building

µg/m3 - Micrograms per meter cubed

ND - Not detected above laboratory reporting limit

VOCs - Volatile organic compounds

SC-2 and SC-3 are located in the detached paint building

Significant amount of paint and chemicals were being stored near SC-2

Table 2 - Indoor Air TCE Data Summary

301 Tennessee Street

Redlands, California

Sample Location	Sample Height (ft)	11/20/2019	6/23/2020	7/15/2020	7/25/2020	9/18/2020	1/1/2021	2/1/2021
		Tetrachloroethene (PCE) results (µg/m3)						
SC-1	4	ND<0.40	ND<0.2	ND<0.1	ND<0.1	ND.0.17	**0.13**	ND<0.063
SC-2	4	ND<0.40	--	--	--	--	**0.16**	**0.068**
SC-3	4	ND<0.40	--	--	--	--	**0.14**	ND<0.075
SC-4	4	**30**	**29**	**26**	**31**	**21**	**3.40**	**7.1**
SC-5	4	**18**	**11**	**10**	**22**	--	**3**	**6.3**
SC-6	4	**32**	**57**	**63**	**27**	**23**	**6**	**8.4**
SC-7	4	**30**	**42**	**56**	**29**	**25**	**7**	**9.6**
SC-8	4	**19**	**44**	**54**	**17**	**19**	**4**	**7.6**
SC-9	4	**26**	**40**	**43**	**20**	**34**	**10**	**14**
SC-10	4	**27**	**48**	**50**	**21**	**34**	**8**	**13**
SC-11	4	**16**	**46**	**44**	**16**	**27**	**6.40**	**10**
SC-12	4	--	--	--	--	**13**	**1.9**	**4.2**
Indoor Air Commercial ESL		**2**						

Notes:

Bold - Constituent detected above laboratory reporting limit

Shaded - Constituent detected above Vapor ESLs for commercial/industrial indoor air at cancer or non-cancer screening levels

ESL - Environmental Screening Levels

Screening levels are from the San Francisco Bay Regional Water Quality Control Board's 2019 (Rev 2) document

µg/m3 - Micrograms per meter cubed

VOCs - Volatile organic compounds

SC-1 is located outside and upwind of the Main Building

ND - Not detected above laboratory reporting limit

SC-2 and SC-3 are located in the detached paint building

SC-2 and SC-3 were not sampled prior to 1/1/2021 due to the presence of paint and other chemicals

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HISTORICAL/ARCHAEOLOGICAL RESOURCES SURVEY REPORT

ASSESSOR'S PARCEL NUMBERS 0292-192-11 AND -14

City of Redlands
San Bernardino County

For Submittal to:

Development Services Department, Planning Division
City of Redlands
35 Cajon Street, Suite 20
Redlands, CA 92373

Prepared for:

MIG, Inc.
1560 Spruce Street, Suite 106
Riverside, CA 92507

Prepared by:

CRM TECH
1016 East Cooley Drive, Suite A/B
Colton, CA 92324

Bai "Tom" Tang, Principal Investigator
Michael Hogan, Principal Investigator

February 15, 2023
CRM TECH Contract No. 3963

Title: Historical/Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

Author(s): Bai "Tom" Tang, Principal Investigator
Terri Jacquemain, Historian/Architectural Historian
Nicole Raslich, Archaeologist/Report Writer
Hunter O'Donnell, Archaeologist

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Date: February 15, 2023

For Submittal to: Development Services Department, Planning Division
City of Redlands
35 Cajon Street, Suite 20
Redlands, CA 92373
(909) 798-7555

Prepared for: Bob Prasse, Director of Environmental Services
MIG, Inc.
1560 Spruce Street, Suite 106
Riverside, CA 92507
(909) 519-5871

USGS Quadrangle: Redlands, Calif., 7.5' quadrangle (Rancho San Bernardino land grant; T1S R3W, San Bernardino Baseline and Meridian)

Project Size: Approximately 11 acres

Keywords: Western Redlands area; eastern San Bernardino Valley; Phase I cultural resources survey; Site 3693-1H*: former La-Z-Boy plant at 301 Tennessee Street, ca. 1965; Site 3693-2H*: former Alex and Sadie Kimm residence at 360 Kansas Street, ca. 1950; Architect Leon Armantrout; no "historical resources" under CEQA provisions.

* *Temporary designations, pending assignment of permanent identification numbers*

EXECUTIVE SUMMARY

Between November 2022 and February 2023, at the request of MIG, Inc., CRM TECH performed a cultural resources study on approximately 11 acres of previously developed urban land in the western portion of the City of Redlands, San Bernardino County, California. The subject property of the study consists of Assessor's Parcel Numbers 0292-192-11 and 0292-192-14, located at the northwest corner of Tennessee Street and State Street, in a portion of the Rancho San Bernardino land grant lying within what would be the southeast quarter of Section 28, T1S R3W, San Bernardino Baseline and Meridian.

The study is part of the environmental review process for a proposed warehouse project that will require the demolition of the existing buildings on the property, including a former La-Z-Boy furniture manufacturing plant, a single-family residence, and several ancillary buildings. The City of Redlands, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, consulted with local historical organizations, pursued historical background research, and carried out an intensive-level field survey and field inspection of the buildings. The results of these research procedures indicate that the former La-Z-Boy furniture manufacturing plant dates to 1965 and operated at this location until 2019, while the residence was built around 1950.

Although both buildings have been expanded and altered, they retain sufficient historical characteristics to relate to their periods of origin and were therefore recorded into the California Historical Resources Inventory with the temporary designations of 3963-1H and -2H, pending assignment of permanent identification numbers. They do not, however, appear to be eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, they do not constitute "historical resources" for CEQA-compliance purposes.

No other potential "historical resources" were encountered within or adjacent to the project area. However, the State of California Native American Heritage Commission stated that the Sacred Lands File maintained by the commission indicated the presence of unspecified Native American cultural resource(s) in the general vicinity of the project location and referred further inquiry to the local Native American tribes. According to CEQA guidelines, the identification of potential "tribal cultural resources" is beyond the scope of this study and needs to be addressed through government-to-government consultations between the City of Redlands and the pertinent Native American groups pursuant to Assembly Bill (AB) 52.

Based on these findings, CRM TECH recommends to the City of Redlands a tentative conclusion of *No Impact* on cultural resources, pending completion of the AB 52 consultation process. No additional cultural resources investigation is recommended for the project unless development plans undergo such changes as include areas not covered by this study. However, if buried cultural materials are encountered during any earth-moving operations associated with the project, all work within 50 feet of the discovery should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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INTRODUCTION

Between November 2022 and February 2023, at the request of MIG, Inc., CRM TECH performed a cultural resources study on approximately 11 acres of previously developed urban land in the western portion of the City of Redlands, San Bernardino County, California (Fig. 1). The subject property of the study consists of Assessor's Parcel Numbers (APN) 0292-192-11 and 0292-192-14, located at the northwest corner of Tennessee Street and State Street, in a portion of the Rancho San Bernardino land grant lying within what would be the southeast quarter of Section 28, T1S R3W, San Bernardino Baseline and Meridian (Figs. 2, 3).

The study is part of the environmental review process for a proposed warehouse project that will require the demolition of the existing buildings on the property, including a former La-Z-Boy furniture manufacturing plant, a single-family residence, and several ancillary buildings. The City of Redlands, as the lead agency for the project, required the study in compliance with the California Environmental Quality Act (CEQA; PRC §21000, et seq.). The purpose of the study is to provide the City with the necessary information and analysis to determine whether the proposed project would cause substantial adverse changes to any "historical resources," as defined by CEQA, that may exist in or near the project area.

In order to identify such resources, CRM TECH conducted a historical/archaeological resources records search, initiated a Native American Sacred Lands File search, consulted with local historical organizations, pursued historical background research, and carried out an intensive-level field survey and field inspection of the buildings. The following report is a complete account of the methods, results, and conclusion of the study. The qualifications of personnel who participated in the study are presented in Appendix 1.

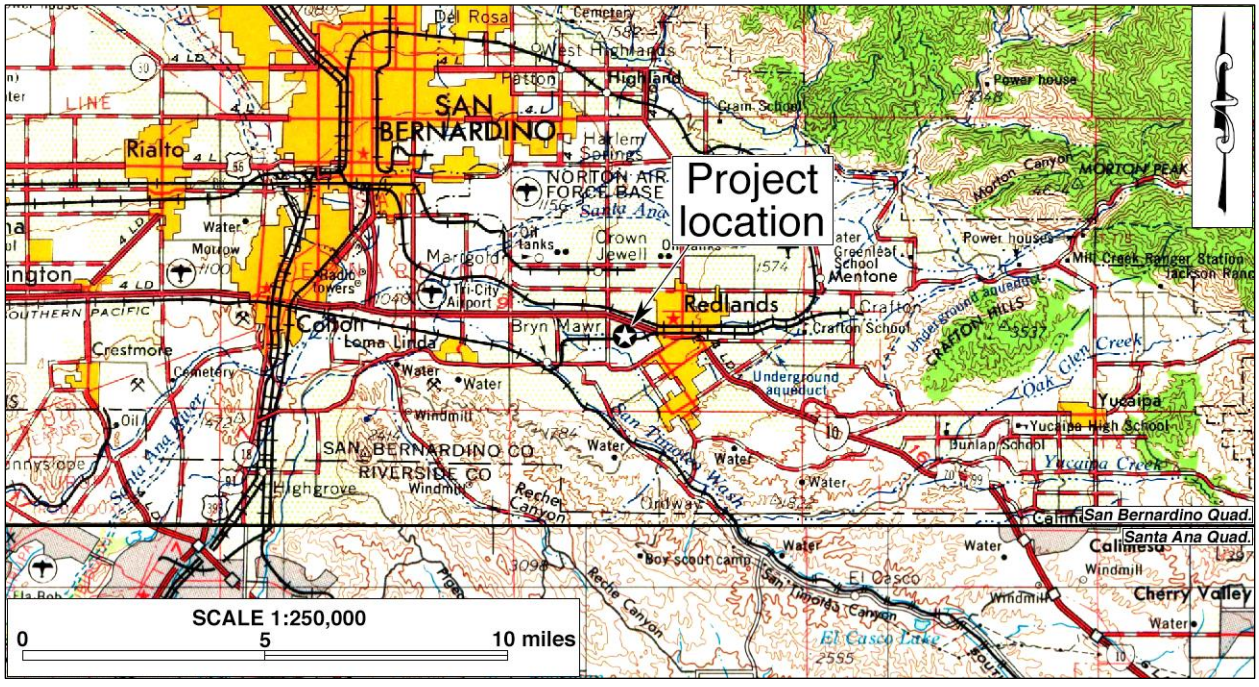

Figure 1. Project vicinity. (Based on USGS San Bernardino and Santa Ana, Calif., 120'x60' quadrangles [USGS 1969; 1979])

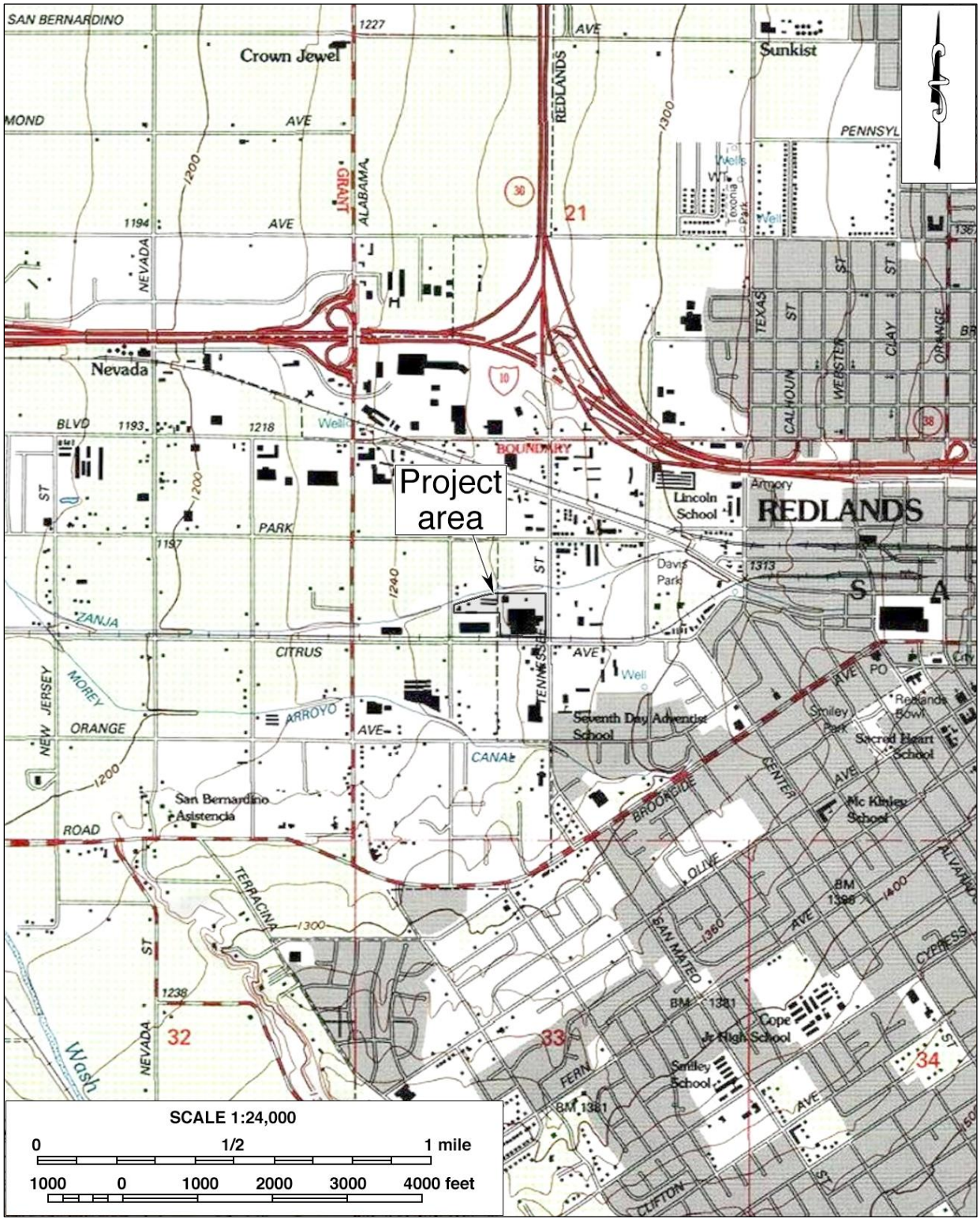

Figure 2. Location and configuration of the project area. (Based on USGS Redlands, Calif., 7.5' quadrangle [USGS 1996])



Figure 3. Recent satellite image of the project area. (Based on Google Earth imagery)

SETTING

CURRENT NATURAL SETTING

The City of Redlands is situated in the eastern San Bernardino Valley, a broad inland valley bound by the San Gabriel and San Bernardino mountain ranges on the north and a series of low rocky hills on the south. Geologically, the San Bernardino Valley lies on the northern rim of the Peninsular Ranges geomorphic province, adjacent to the Transverse Ranges province. The natural environment of the region is characterized by its temperate Mediterranean climate. Precipitation is typically less than 20 inches annually, falling mostly between November and April.

The approximately 11-acre project area is an irregularly shaped tract of commercial property bounded on the east by Tennessee Street, on the south by State Street, on the west by Kansas Street, and on the north by the "Mission Zanja," a drainage channel bearing a name that often causes confusion with the historic Mill Creek Zanja further to the south. The main building of the former La-Z-Boy furniture manufacturing plant and two associated smaller buildings occupy the eastern two-thirds of the property, and the modest single-family residence stands in the western portion along Kansas Street (Figs. 4, 5). The surrounding properties are primarily commercial in character.

Elevations in the project area range approximately from 1,245 feet to 1,260 feet above mean sea level over relatively level terrain. Vegetation consists mostly of introduced species, such as eucalyptus trees and a string of lemon trees along part of the northern border and landscaping plants near the buildings, including pomegranate and gum trees around the residence, along with various small grasses and shrubs. Surface soils over most of the project area consist of medium brown, fine- to medium-grained sands.



Figure 4. Western portion of the project area (APN 0292-192-14). (Photograph taken November 17, 2022; view to the west).



Figure 5. Eastern portion of the project area (APN 0292-192-11). (Photograph taken November 17, 2022; view to the south)

CULTURAL SETTING

Prehistoric Context

The earliest evidence of human occupation in inland southern California was discovered below the surface of an alluvial fan in the northern Lakeview Mountains overlooking the San Jacinto Valley, with radiocarbon dates clustering around 9,500 B.P. (Horne and McDougall 2008). Another site found near the shoreline of Lake Elsinore, close to the confluence of Temescal Wash and the San Jacinto River, yielded radiocarbon dates between 8,000 and 9,000 B.P. (Grenda 1997). Additional sites with isolated Archaic dart points, bifaces, and other associated lithic artifacts from the same age range have been found in the nearby Cajon Pass area, typically atop knolls with good viewsheds (Basgall and True 1985; Goodman and McDonald 2001; Goodman 2002; Milburn et al. 2008).

The cultural history of southern California has been summarized into numerous chronologies, including work by Chartkoff and Chartkoff (1984), Warren (1984), and others. The prehistory of Riverside County specifically has been addressed by O'Connell et al. (1974), McDonald, et al. (1987), Keller and McCarthy (1989), Grenda (1993), Goldberg (2001), and Horne and McDougall (2008). Although the beginning and ending dates of different cultural horizons vary regionally, the general prehistory framework for inland southern California can be divided into three periods:

- Paleoindian Period (ca. 18,000-9,000 B.P.): Native people of this period created fluted spearhead bases designed to be hafted to wooden shafts. The distinctive method of thinning bifaces and spearhead preforms by removing long, linear flakes leave diagnostic Paleoindian markers at tool-making sites. Other artifacts associated with the Paleoindian toolkit include choppers, cutting tools, retouched flakes, and perforators. Sites from this period are sparse across the landscape and most are deeply buried.

- Archaic Period (ca. 9,000-1,500 B.P.): Archaic sites are characterized by abundant lithic scatters of considerable size with many biface thinning flakes, bifacial preforms broken during manufacture, and well-made groundstone bowls and basin metates. As a product of making dart points, many biface thinning waste flakes were generated at individual production stations, which is a diagnostic feature of Archaic sites.
- Late Prehistoric Period (ca. 1,500 B.P.-contact): Sites from this period typically contain small lithic scatters from the manufacture of small arrow points, expedient groundstone tools such as tabular metates and unshaped manos, wooden mortars with stone pestles, acorn or mesquite bean granaries, ceramic vessels, shell beads suggestive of extensive trading networks, and steatite implements such as pipes and arrow shaft straighteners.

Ethnohistoric Context

The Redlands area lies in the traditional homeland of the Serrano Indians, although the Native population at the time of European contact are believed to have been Gabrielino from the San Gabriel Valley, who were later succeeded by a Mountain Cahuilla group from the San Jacinto and Santa Rosa Mountains around 1846 (Strong 1929:8). Serrano ancestral territory is centered in the San Bernardino Mountains, but also includes a portion of the San Bernardino Valley and the southern rim of the Mojave Desert, extending from today's Victorville eastward to Twentynine Palms. "Serrano" derives from a Spanish term meaning "mountaineer" or "highlander." The basic written sources on Serrano culture are Kroeber (1925), Strong (1929), and Bean and Smith (1978).

Prior to European contact, Serrano were primarily hunters and gatherers and occasional fishers, who settled near where flowing water emerged from the mountains. They were loosely organized into exogamous clans led by hereditary heads, and the clans in turn were affiliated with one of two exogamous moieties. The exact nature of the clans, their structure, function, and number are not known, except that each clan was the largest autonomous political and landholding unit, the core of which was the patrilineage. There was no pan-tribal political union among the clans. Despite their linguistic differences, Serrano, Gabrielino and Cahuilla societies shared many characteristics in social organization and material culture.

Although contact with Europeans may have occurred as early as 1771 or 1772, Spanish influence on Serrano lifeways was minimal until the 1810s, when a mission *asistencia* was established in the vicinity of present-day Redlands. Between then and the end of the mission era in 1834, most of the Serrano in the western portion of their traditional territory were removed to the nearby missions. In the eastern portion, a series of punitive expeditions in 1866-1870 resulted in the death or displacement of almost all remaining Serrano population in the San Bernardino Mountains. Today, most Serrano descendants are affiliated with the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians), the Morongo Band of Mission Indians, or the Serrano Nation of Indians.

Historic Context

The San Bernardino Valley, including the Redlands area, received its first European visitors in 1771, when a small force of Spanish soldiers traveled through the area under the command of Pedro Fages, the military *comandante* of Alta California (Beck and Haase 1974:15). After the establishment of Mission San Gabriel that year, the San Bernardino Valley nominally became a part of the vast

landholdings of that mission. The name "San Bernardino" was bestowed on the valley when the San Bernardino *Asistencia*, along with a mission rancho bearing the same name, was officially established in 1819, originally on the north side of present-day Mission Road in nearby Loma Linda (Lerch and Haenszel 1981).

Historically, the project area was located on the periphery of "Old San Bernardino," the site of the earliest non-Native settlement in the eastern San Bernardino Valley. It was centered around the adobe storehouse of Rancho San Bernardino and extended from the easternmost portion of Loma Linda to the westernmost portion of Redlands (Hall 1888). In 1842, after secularization of the mission system, the Mexican authorities in Alta California granted Rancho San Bernardino, along with several other adjacent former mission ranchos, to members of a prominent Los Angeles family, the Lugos (Schuiling 1984:34). After nine years of cattle raising on their 35,000-acre domain, the Lugo family sold the entire rancho in 1851 to Amasa M. Lyman and Charles C. Rich, leaders of a Mormon colony that was to become today's City of San Bernardino (*ibid*.:45).

In the early 1880s, Frank E. Brown and Edward G. Judson purchased a portion of the rancho and combined it with other land acquisitions to form the town of Redlands (Schuiling 1984:86). To ensure a reliable water supply for the new colony, in 1883-1884 Brown and Judson constructed the Bear Valley Reservoir in the San Bernardino Mountains for the exclusive use of Redlands settlers (*ibid.*). Amid the great southern California land boom of the 1880s and the thriving citrus industry, the Redlands colony incorporated in 1888 and soon became the best-known winter retreat in the nation (*ibid.*:87). An influx of winter residents from the eastern United States perpetuated Redlands' image as an affluent city characterized by vast citrus groves surrounding elegant mansions of gentlemen farmers.

In the mid-20th century, and particularly after World War II, the expansive citrus groves increasingly gave way urban expansion and increasing diversification of Redlands' economic interests. After U.S. Highway 99 (Redlands Boulevard) was realigned in 1946, commercial development that was previously concentrated in the historic downtown area began to muster along the new route toward the western city limit, and then to the north after Interstate Highway 10 was completed in 1962 (ARG 2017:145, 148). Over the last few decades of the 20th century, like many other former small rural towns in southern California, Redlands increasingly took on the characteristics of a "bedroom community." Nevertheless, the citrus culture that developed during the late 19th and early 20th centuries continues to be an integral part of the City's identity.

RESEARCH METHODS

RECORDS SEARCH

On December 7, 2022, CRM TECH archaeologist Nina Gallardo conducted the records search at the South Central Coastal Information Center (SCCIC), California State University, Fullerton, which is the State of California's official cultural resource records repository for San Bernardino County. During the records search, Gallardo examined maps, records, and electronic databases at the SCCIC for previously identified cultural resources and existing studies within a one-mile radius of the project area. Previously identified cultural resources include properties designated as California

Historical Landmarks, Points of Historical Interest, or San Bernardino County Historical Landmarks, as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Inventory.

SACRED LANDS FILE SEARCH

On November 4, 2022, CRM TECH submitted a written request to the State of California Native American Heritage Commission (NAHC) for a records search in the commission's Sacred Lands File. The NAHC is the State of California's trustee agency for the protection of tribal cultural resources as defined by California Public Resources Code §21074 and is tasked with identifying and cataloging properties of Native American cultural value throughout the state, including places of special religious, spiritual, or social significance and known graves and cemeteries. The NAHC's reply is summarized below and attached to this report in Appendix 2.

LOCAL COMMUNITY CONSULTATION

As a part of the research procedures, the Redlands Historical Museum Association and the Redlands Area Historical Society were contacted for supplementary information on the history of the subject property and for local community input regarding potential historic interest in any of the buildings on the property. The contact was initiated by e-mail on January 4, 2023, and included a map showing the project location and photographs of the historic-era buildings identified on the property. A follow-up e-mail was sent on January 14. To date, no reply has been received from either group.

HISTORICAL RESEARCH

Historical research for this study was completed in two phases. The preliminary background research was conducted by CRM TECH historian Terri Jacquemain on the basis of published literature in local and regional history, U.S. General Land Office (GLO) land survey plat maps dated 1858, U.S. Geological Survey (USGS) topographic maps dated 1901-1996, and aerial/satellite photographs taken in 1938-2022. The historic maps are available at the websites of the U.S. Bureau of Land Management and the USGS. The aerial and satellite images are available through the Google Earth software, at the Nationwide Environmental Title Research (NETR) Online website, and at the FrameFinder Online website hosted by the University of California, Santa Barbara.

After the identification of historic-era buildings in the project area, Jacquemain pursued more specific and in-depth research on the history of these buildings. Sources consulted during this phase of the research included primarily the archival records of the City of Redlands and the County of San Bernardino, particularly building safety records and real property assessment records, materials on file at the A.K. Smiley Public Library, and various online genealogical and commercial business databases.

FIELD SURVEY

On November 17, 2022, CRM TECH archaeologists Hunter O'Donnell and Cynthia Ayala conducted the intensive-level field survey of the project area by walking parallel north-south transects spaced 15 meters (approximately 50 feet) apart across all open areas on the property. In this way, the ground surface in the entire project area was carefully examined for any evidence of

human activities dating to the prehistoric or historic period (i.e., 50 years or older). While most of the project area is paved or occupied by buildings, ground visibility was good to excellent (85-90%) over the rest of the property except for a few pockets of excessive duff under trees and clusters of vegetation along the peripheries.

In conjunction with the archaeological survey, O'Donnell carried out a field inspection of the buildings and other built-environment features in the project area and field recordation on those that appeared to be more than 45 years old and retained at least a recognizable level of historical characteristics. The field recordation consisted mainly of detailed notations and preliminary photo-documentation of the structural and architectural characteristics and current conditions. The field data and observations were compiled into standard record forms for submittal to the California Historical Resources Inventory (see App. 3).

RESULTS AND FINDINGS

RECORDS SEARCH

According to SCCIC records, the project area had not been surveyed for cultural resources prior to this study, and no cultural resources had been recorded on the property. Within the one-mile scope of the records search, some 75 cultural resources studies completed between 1973 and 2015 have been reported to the SCCIC (Fig. 6). Most of these studies were clustered to the west of Alabama Street, attesting to the increased development activities on former citrus land in the Old San Bernardino area since CEQA mandates were implemented in the 1970s. To the east of the project area, a number of small-scale studies have occurred near the City's downtown core.

As a result of the past survey efforts, some 179 historical/archaeological sites of historical origin were previously recorded within the one-mile radius. Closest to the project area among them, along State Street adjacent to the southern property boundary, was Site 36-027672, the former alignment of the 1888 San Bernardino and Redlands Railroad Company motor line, also known as the Redlands Central Railway or the "Redlands Dinky." The 10-mile-long narrow-gauge rail line linked the two cities, with passenger fares costing 30¢ one-way and 50¢ for a round trip (Landis n.d.). As is the case with many early infrastructure features, Site 36-027672 exists only on paper today.

Other sites recorded within the one-mile radius include well-known local historical landmarks such as the Mill Creek Zanja, the reconstructed San Bernardino *Asistencia*, and the Bryn Mawr Townsite, but the majority of the sites consists of buildings, including many in the City's designated historic districts, along with structural foundations, roads, and refuse scatters. Other than the no-longer-extant 36-027672, none of the sites were recorded in the immediate vicinity of the project area. As such, they require no further consideration during this study. No cultural resources of prehistoric—i.e., Native American—origin have been identified within the scope of the records search.

SACRED LANDS FILE SEARCH

In response to CRM TECH's inquiry, the NAHC reported in a letter dated December 8, 2022, that the Sacred Lands File indicated the presence of Native American cultural resource(s) in the general vicinity of the project location, but the nature and location of the resource(s) were not disclosed.

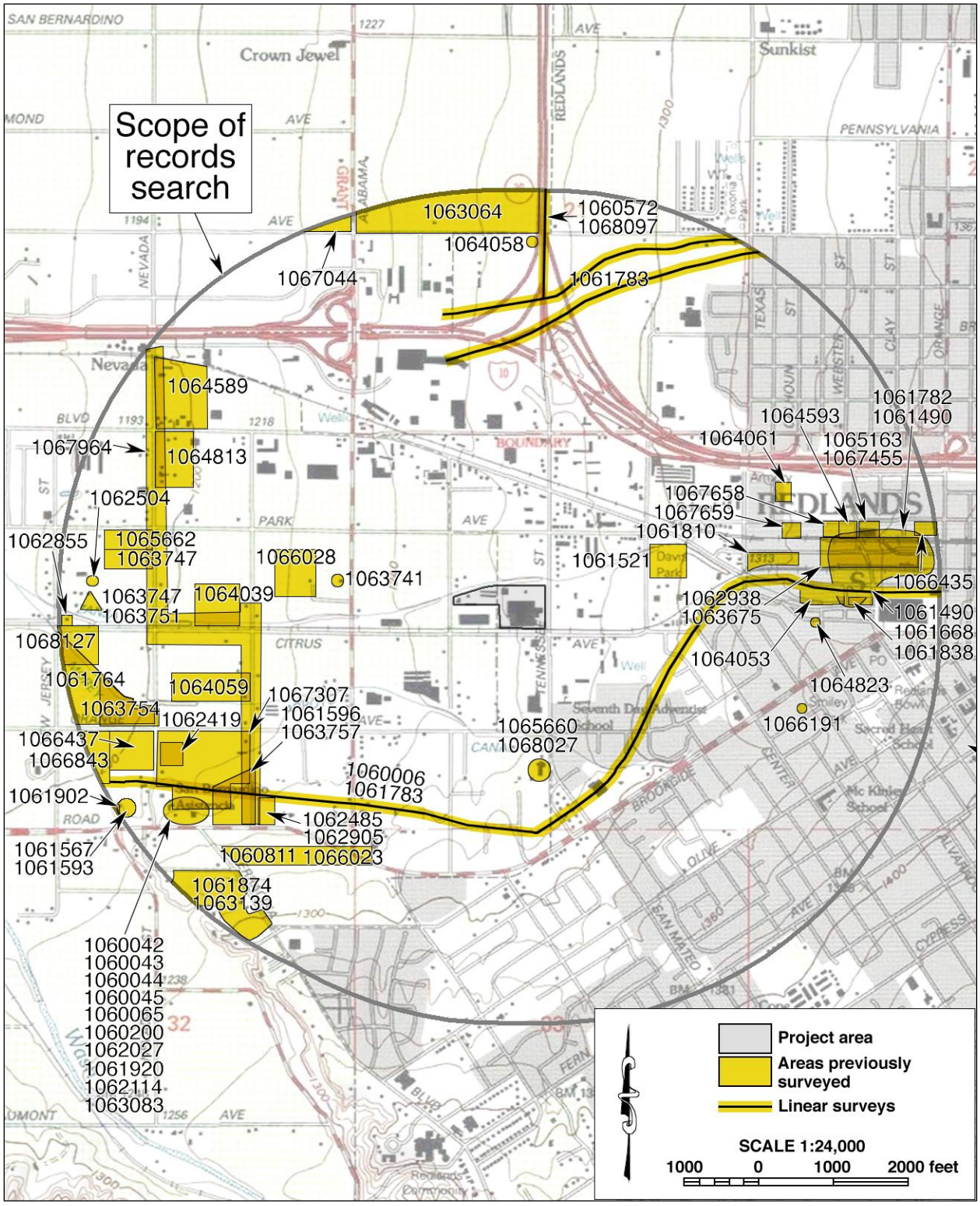

Figure 6. Previous cultural resources studies in the vicinity of the project area. Locations of historical/archaeological resources are not shown as a protective measure.

The NAHC recommended that local Native American groups be consulted for further information and provided a referral list of 11 tribal representatives affiliated with 10 local Native American groups. The NAHC's reply is attached to this report in Appendix 3 for reference by the City of Redlands in future government-to-government consultations with the local Native American groups.

HISTORICAL RESEARCH

The project area is situated about a mile east-northeast of Old San Bernardino, the center of early settlement during the Mission, Rancho, and Mormon periods in the history of San Bernardino Valley, but historical sources consulted for this study yielded no indication that it was involved in any of these early developments, except perhaps as farmland (Figs. 7-10). In the late 19th century, the project area sat in a flood-prone area near the confluence of what are now the Mission Zanja and the Morey Arroyo, amid a regular grid of roads, with the "Dinky" line (Site 36-027672) running along its southern boundary (Fig. 8).

By the late 1930s the project area and nearly all of the surrounding properties were covered by citrus groves, and a building, presumably a farmstead, had appeared near the southeast corner of the project area, as early channelization efforts along the Mission Zanja and the Morey Arroyo facilitated growth in the vicinity (NETR Online 1938; Fig. 9). The Mission Zanja connects to the original Mill Creek Zanja to the east of downtown Redlands near Laramie Park, but it was not a part of the historically significant irrigation canal, which was built in 1819-1820, the first irrigation work completed in San Bernardino County (Beattie 1951:42; Haenszel and Reynolds 1975:10). The 12-mile course of the Mill Creek Zanja ran roughly a half-mile south of the project location at its closest point.

After World War II, land in this area remained predominantly devoted to citrus groves and outside the boundary of the City of Redlands, which in 1959 was at Tennessee Street (UCSB FrameFinder 1952; NETR Online 1959-1968; Fig. 10). In the 1960s, the City's master plan codified land annexation further west, and earmarked it for industrial growth away from the core area (ARG 2017:149). The industrial district was bounded roughly by Redlands Boulevard/Colton Avenue, Tennessee Street, Orange Avenue, and New Jersey Street. Among the earlier industrial enterprises near the project location at the time were a textile knitting factory, a Gill Battery manufacturing plant, and a lumber and wrecking yard (ARG 2017:148, 149). Over the next three decades, industrial development continued to usurp the groves, often replacing them with large industrial buildings of concrete tilt-up construction and designed for truck access and freight distribution. By 1980 most of the citrus land had been laid fallow or replaced by commercial and industrial development, a trend that has continued to the present (NETR Online 1980-2020; Google Earth 1994-2022).

The residence at 360 Kansas Street was built around 1950, accompanied by a long rectangular structure at the rear, or the east (UCSB FrameFinder 1952; NETR Online 1959; County Assessor n.d.). A similar building combination had also appeared on Kansas Street just north of the Mission Zanja (*ibid.*). In 1954, the residence was occupied by Alex and Sadie Kimm, whose address was listed on Kansas Street and "one block north of Citrus" (now State Street; Ancestry.com n.d.). Family members John and Mary Jean Kimm lived on Kansas Street "two blocks north of Citrus" (*ibid.*), possibly in the similar residence across the drainage.

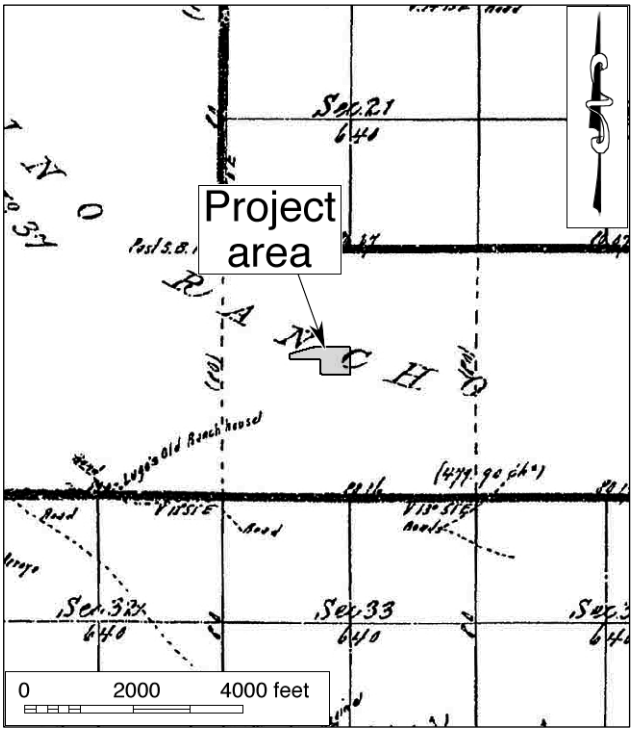

Figure 7. The project area and vicinity in 1853-1857. (Source: GLO 1858)

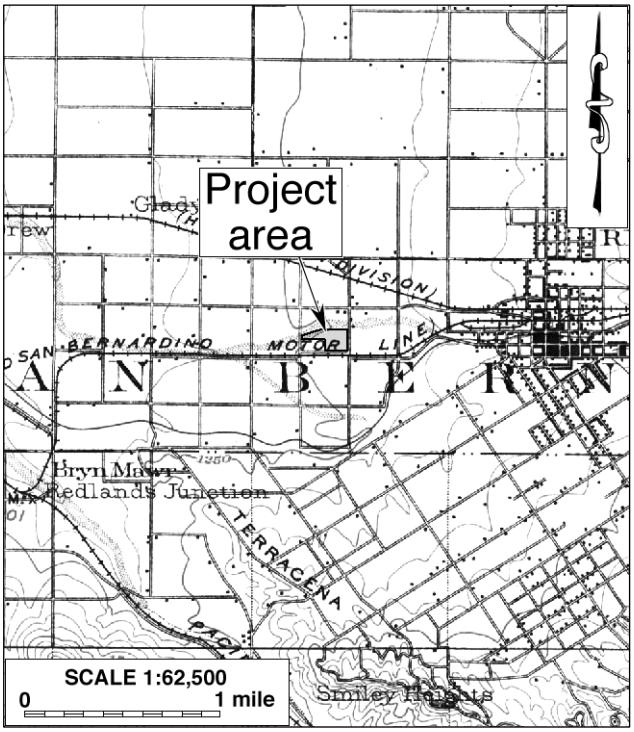

Figure 8. The project area and vicinity in 1898-1899. (Source: USGS 1901)

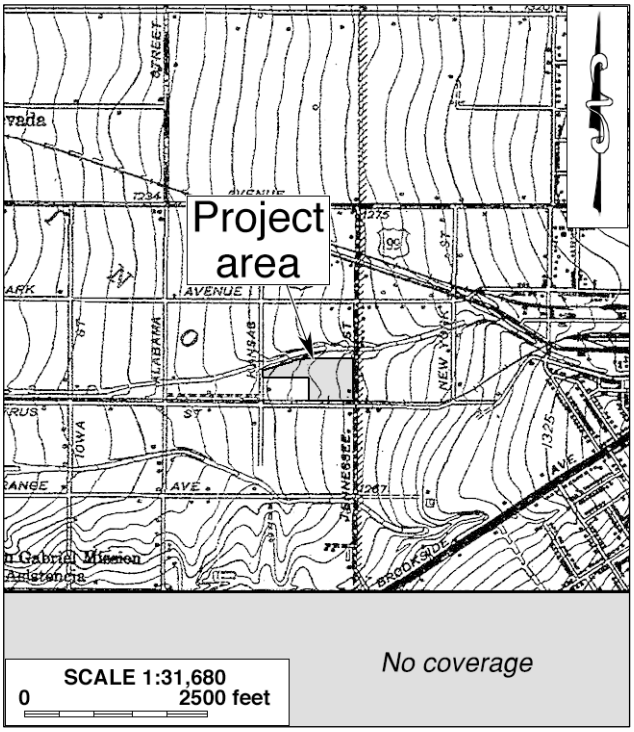

Figure 9. The project area and vicinity in 1939. (Source: USGS 1943)

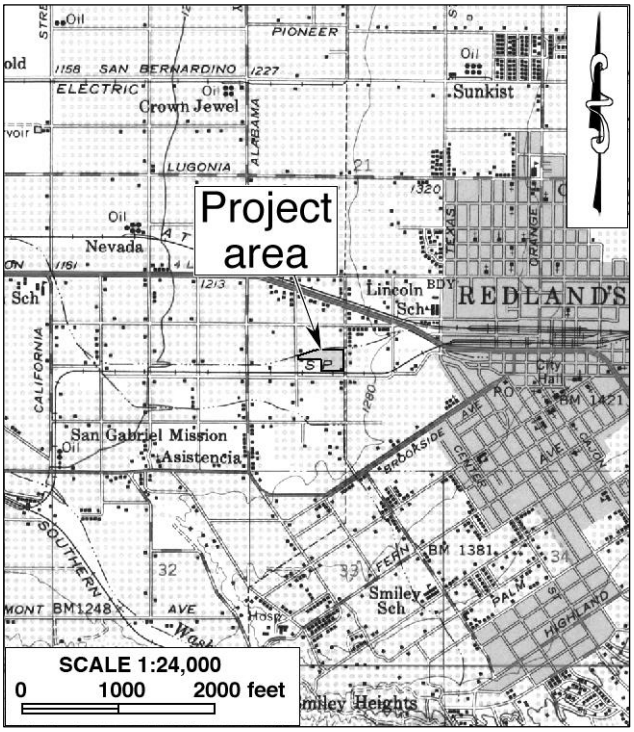

Figure 10. The project area and vicinity in 1952. (Source: USGS 1954)

Lead by patriarch Harkel A. Kimm and his wife Anna, who in 1954 lived on Alabama Street north of Barton Road, the Kimm family were in the business of chicken ranching (Ancestry.com n.d.). Harkel and Anna Kimm were both born in the Netherlands and had journeyed to Montana by 1919 when their youngest son Alex was born (*ibid.*). By 1940, they had settled in Redlands (*ibid.*). The elder Kimms were among some 400,000 Dutch immigrants who came to the U.S. between 1845 and 1930, with enough eventually settling in the Redlands area to form a small but cohesive community based primarily on their Christian Reformed faith and the dairy industry (ARG 2017:208). Alex and Sadie Kimm remained property owners in the project area until 1995, when the land was deeded to Rettig Machine Shop. City building safety records indicate the building suffered fire damage in 1982 (City of Redlands 1982).

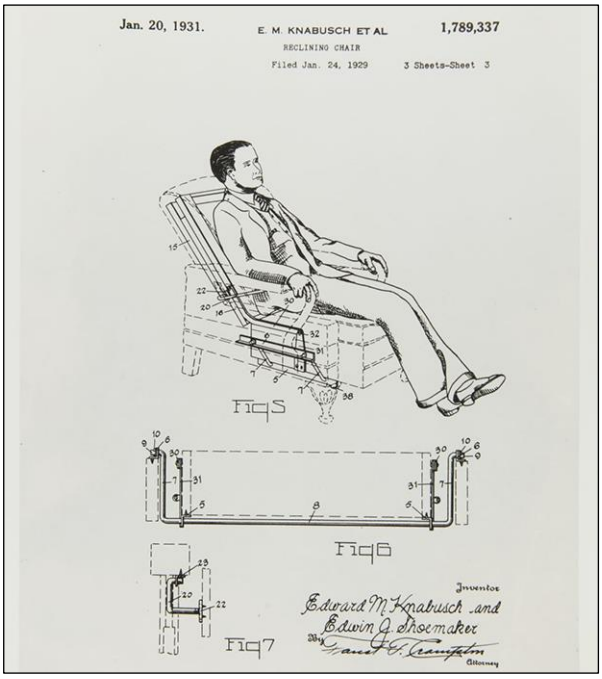

Figure 11. Patent illustration for the original La-Z-Boy Reclining Chair, January 24, 1929. (Source: The Henry Ford n.d.)

The former La-Z-Boy furniture manufacturing plant at 301 Tennessee was built for the company in 1965 and served in that capacity until October 2019, when the plant was closed (City of Redlands 1965; Kibby 1965:1; Iyer 2019). The company was founded in 1927 by cousins Edwin J. Shoemaker and Edward M. Knabusch, who produced their first chair in a garage in Monroe, Michigan (La-Z-Boy n.d.). It was a simple wood-slat chair, but with an innovative mechanism that allowed the occupant to recline (*ibid*.).

As they sought to bring their chair to the market, it was suggested that they upholster it for indoor use (La-Z-Boy n.d.). The duo took the advice and then filed for a patent in 1929 (La-Z-Boy n.d.; Fig. 11). Eventually the furniture line was expanded to encompasses other brands and living room staples such as sofas and loveseats, and the company was incorporated in 1941 (La-Z-Boy.com n.d.). In March 1972, La-Z-Boy went public, having by then established nine manufacturing plants in the United States: two in Michigan, one in Redlands, and six more in several eastern states (Encyclopedia.com n.d.). Today, La-Z-Boy is an internationally recognized brand and is among the leading residential furniture producers worldwide, with its headquarters still in Monroe, Michigan (*ibid*.).

During its 54-year tenure at the Redlands location, La-Z-Boy employed as many as 350 workers, who made and upholstered the company's flagship recliner and other branded products, accounting for about 10% of the company's output (Iyer 2019; Slaughter 2019). The plant was the company's first west of the Mississippi, built after Redlands' civic agencies vied to be the choice among eight contenders. Efforts included hosting La-Z-Boy co-founder Edward Knabusch and his wife at the residence of then-mayor Waldo Burroughs, followed up by city representatives paying a one-day visit to the company headquarters in Michigan (Kibby 1965:1). The company was active in the

Redlands community as a sponsor of the annual Redlands Bowl Summer Music Festival, and in 2011 became the City of Redlands' first recipient of the Mayor's Green Action Award for reducing its landfill waste from manufacturing (Iyer 2019).

The 1960s-1970s industrial buildings constructed in the western Redlands industrial district were commonly plain box-like buildings, but some owners of the era opted to contract stylized primary facades for their buildings, including the Lazy-Z-Boy furniture manufacturing plant, which was designed by Redlands architect Leon H. Armantrout (City of Redlands 1965; ARG 2017:149). Armantrout moved to Redlands in 1960 and opened his office there in 1964 (Johnson 2002). He has built an impressive body of work in Mid-Century Modern and Late Modern styles, including many custom homes and eye-catching institutional, professional, commercial, educational, and religious buildings (*ibid.*). In 2013, Armantrout donated a catalog of his Redlands architectural drawings to the A.K. Smiley Public Library (Schwartz 2013), among them those for the First United Methodist Church, the relocation and expansion of the ESRI campus, Redlands Community Center, Town Square Design for Redlands Mall, Empire Bowl, Redlands Medical Center, and the San Bernardino County Museum.

Constructed by local contractors Forsberg and Gregory, Inc., the La-Z-Boy building was originally a 72,000-square-foot manufacturing plant (City of Redlands 1965). In 1972-1973, 43,600 square feet were added to the factory and 800 square feet to the front office, followed by a 624-square-foot tilt-up panel addition and another 9,225 square feet in 1991 (City of Redlands 1972-1991). The two ancillary buildings to the north of the main plant, measuring 12,000 and 28,000 square feet, are both concrete tilt-up structures erected in 1969, again by Forsberg and Gregory, Inc., but with no architect identified in the building permits (City of Redlands 1969). A 1,300-square-foot conference room was added in 2004, and the monument sign along Tennessee Street was installed in 2014 (City of Redlands 2004-2014).

FIELD SURVEY

Field observations confirm that no vestige of Site 36-027672, the Redlands Dinky line, exists in the vicinity of the project area, and no evidence of any prehistoric cultural resources was encountered within or adjacent to the project boundaries. The ground surface has been extensively disturbed by agricultural operations and construction activities in the past, leaving little potential for any prehistoric or early historic archaeological remains to survive intact.

The three streets adjacent to the project area, Tennessee Street, Kansas Street, and State Street, all date to the historic period, but their current configuration and appearance reflect the results of repeated upgrading and regular maintenance in recent times, and none of them exhibits any distinctively historical characteristics. As working components of the modern transportation infrastructure, these streets are not considered potential "historical resources." Similarly, the Mission Zanja adjacent to the northern project boundary is an unremarkable earthen drainage of common design and construction practices that has been constantly maintained in the modern era. With no anticipated impacts from the project as proposed, it requires no further consideration during this study.

Historical research has revealed that the La-Z-Boy plant and residence on the property are both more than 50 years of age. While both have been significantly altered, field survey observations confirm that they retain a recognizable level of historical characteristics. As such, they were recorded into the California Historical Resources Inventory during this study and designated temporarily as Sites 3963-1H and -2H, pending assignment of permanent identification numbers by the SCCIC. These buildings represent the only potential "historical resources" in the project area.

Site 3963-1H (Former La-Z-Boy Plant)

The former La-Z-Boy manufacturing plant at 301 Tennessee Street consists of a main office/ warehouse building and two smaller auxiliary buildings of concrete tilt-up construction situated to the north, all of them resting on concrete slab foundations with flat roofs (Fig. 12). The main building is a tall one-story steel-frame and concrete structure that covers nearly two acres. Its squarish shape is a product of later additions that effectively doubled the original footprint, while some of the additions resulted in protrusions from the building. The concrete cladding covers nearly all of the exterior, leaving the building relatively blind but punctuated by loading docks with roll-up doors or single entries filled with metal commercial doors.

The rectangular front office portion on the eastern side, facing Tennessee Street, has a flat but lower roof, with its Armantrout-designed Modern-style elements somewhat overshadowed by the sizable unadorned additions at either end. Nevertheless, the Modern style remains apparent in the deeply recessed main entry between slightly over-extended brick partitions sheltering a plateglass wall and a metal-framed glass door with a transom. Varnished pine wood slats cover the entry ceiling, while square cut-outs in the brick sides allow a view of low-growing tropical plant gardens that flank the entry. A steel-framed enclosure reaching the roof level is filled on the top two-thirds by smoke glass, and open at the bottom. The entry is accessed by a brick-edged pebbled concrete walkway, flanked by low planters and paved parking lots and driveway.



Figure 12. Former La-Z-Boy furniture manufacturing plant at 301 Tennessee Street. (Photograph taken on February 14, 2023; view to the northwest)



Figure 13. Single-family residence at 360 Kansas Street. (Photograph taken on November 17, 2022; view to the northwest)

Site 3963-2H (Former Kimm Residence)

Located at 360 Kansas Street, this Ranch-style, one-story single-family residence with an attached garage is a wood-framed structure built on a U-shaped plan. It rests on a concrete foundation and is surmounted by a medium-pitched hip roof sheathed in brown composition shingles (Fig. 13). An addition with a shed roof is attached to the eastern (rear) side at the middle section. Light-colored stucco clads most of the exterior, although there are small half-wall sections of brick-and-mortar and vertical tooth-and-groove wood siding on the rear addition. Fenestration is a mix of vintage and recent windows of various size, as are the sashes adorning the entry doors. A modern metal roll-up door fills the entry to the garage, which is topped by a cupola at the roof ridge. Two corrugated-metal sheds accompany the house in the rear.

DISCUSSION

APPLICABLE REGULATORY FRAMEWORK

The purpose of this study is to identify any cultural resources in the project area and to assist the City of Redlands in determining whether they meet the official definition of "historical resources," as provided in the California Public Resources Code, in particular CEQA. According to PRC §5020.1(j), "'historical resource' includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

More specifically, CEQA guidelines state that the term "historical resources" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the lead agency (Title 14 CCR §15064.5(a)(1)-(3)). Regarding the proper criteria for

the evaluation of historical significance, CEQA guidelines mandate that "generally a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

(1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
(2) Is associated with the lives of persons important in our past.
(3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
(4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

A local register of historical resources, as defined by PRC §5020.1(k), "means a list of properties officially designated or recognized as historically significant by a local government pursuant to a local ordinance or resolution." For individual properties and historic districts in the City of Redlands, the City's Historic and Scenic Preservation Ordinance outlines a series of 11 eligibility criteria, any one of which may render a property eligible for designation by the City of Redlands as a "landmark" or a "historic property":

A. It has significant character, interest, or value as part of the development, heritage or cultural characteristics of the city of Redlands, state of California, or the United States;
B. It is the site of a significant historic event;
C. It is strongly identified with a person or persons who significantly contributed to the culture, history or development of the city;
D. It is one of the few remaining examples in the city possessing distinguishing characteristics of an architectural type or specimen;
E. It is a notable work of an architect or master builder whose individual work has significantly influenced the development of the city;
F. It embodies elements of architectural design, detail, materials, or craftsmanship that represents a significant architectural innovation;
G. It has a unique location or singular physical characteristics representing an established and familiar visual feature of a neighborhood, community, or the city;
H. It has unique design or detailing;
I. It is a particularly good example of a period or style;
J. It contributes to the historical or scenic heritage or historical or scenic properties of the city (to include, but not be limited to, landscaping, light standards, trees, curbings, and signs);
K. It is located within a historic and scenic or urban conservation district, being a geographically definable area possessing a concentration of historic or scenic properties which contribute to each other and are unified aesthetically by plan or physical development. (MC §2.62.170)

RESOURCE EVALUATIONS

Site 3963-1H (Former La-Z-Boy Plant)

The former La-Z-Boy furniture manufacturing plant at 301 Tennessee Street was built in 1965 and is among several industrial buildings constructed in the vicinity during the 1960s-1970s period, in the early days of the development of an industrial district in the western portion of the City of Redlands. Its construction reflected the City's increasing efforts to diversify its economic base in the post-

World War II era. At the time, the La-Z-Boy Company was already prominent in the industry and was pursuing a multi-state expansion. The building is arguably associated with a pattern of events or a local historical theme, namely Redlands' transition away from its horticulture roots, and is also notable for its association to an innovative, industry-leading company. In neither case, however, does the building demonstrate a particularly important or close association in comparison to other properties known for similar associations.

To wit, the historical theme of mid-20th century industrial growth is well-represented by industrial and commercial enterprises of similar vintage throughout the Redland area, particularly the western portion of the city, and furniture manufacturing was not a dominant industry in the area or a particularly prominent element of the local economy. In regard to the association to the La-Z-Boy Company, although hailed as being the "first west of the Mississippi" the building was not a flagship building of the La-Z-Boy Company, but rather an outpost far from the company's Michigan headquarters, and one that appeared on the scene decades after the company had garnered wide-spread brand recognition.

Sources consulted during this study have yielded no evidence that the former La-Z-Boy plant is closely associated with any specific events or persons of recognized historic significance. In terms of architectural, structural, engineering, or aesthetic merits, the building was designed by prominent Redland architect Leon Armantrout, who worked primarily in mid-20th century Modern and Late Modern styles. As noted above, Leon Armantrout's body of work is well represented in his catalogue of architectural drawings within the City of Redlands and the larger southern California region. For this building, the Modern-style design elements are largely confined to the central portion of the primary façade, while the rest of the building is functionally utilitarian, an expression sometimes in keeping with the style but overall appearing more vernacular or altered by later additions.

The La-Z-Boy plant is among a handful of industrial buildings to his credit, but despite being fewer in number, it does not stand out as an important or particularly remarkable example of Armantrout's body of work or of any style, property type, period, region, and method of construction. Furthermore, the 1960s era in industrial development is well documented in historical accounts, contemporary literature, as well as archival records, both nationwide and in the City of Redlands. As a result, this building holds little potential for any new or important data for the study of this subject. Based on these considerations, the present study concludes that 3963-1H does not appear eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, it does not meet the definition of a "historical resource" under CEQA provisions.

Site 3963-2H (Former Kimm Residence)

The Ranch-style residence at 360 Kansas Street was constructed around 1950. While it retains some elements recognizable to the era in scale and materials, such as a few surviving double-hung windows and a single-car garage, it has been significantly altered by additions, exterior wall cladding, and modern window replacements. Nevertheless, as a rural residence built amidst the groves in the waning years of Redlands robust citrus cultivation era, it shares an association with the city's long-held historical heritage and ensuing "citrus culture." Another historical theme that the

residence is associated with is the post-World War II boom in urban/suburban development throughout the U.S. and especially in southern California. While the residence retains sufficient integrity to relate to these patterns of events, once again it does not demonstrate a unique, significant, or particularly close association with the historical themes in comparison to the numerous other residential buildings of similar character and similar vintage that survive in and around Redlands.

The historical background research has not identified any persons or specific events of recognized significance in the history of the residence, nor any prominent architects, designers, or builders in association with its construction. Architecturally, the building is essentially vernacular in appearance, owing partly to the alterations, and does not represent an important example of its style,, type, period, region, or method of construction. With no notable qualities in design or construction, no documented historical association of importance, and little potential to yield any historical information, the residence at 360 Kansas Street does not appear to meet any of the criteria for listing the California Register of Historical Resource or for local designation, and does not qualify as a "historical resource," as defined above.

CONCLUSION AND RECOMMENDATIONS

CEQA establishes that a project that may cause a substantial adverse change in the significance of a "historical resource" is a project that may have a significant effect on the environment (PRC §21084.1). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired."

In summary, the present study identified and recorded two groups of historic-period buildings within the project area, a La-Z-Boy furniture manufacturing plant at 301 Tennessee Street (Site 3963-1H) and a residence at 360 Kansas Street (Site 3963-2H), but neither of them appears eligible for listing in the California Register of Historical Resources or for local designation by the City of Redlands. Therefore, they do not constitute "historical resources" for CEQA-compliance purposes.

No other potential "historical resources" were encountered within or adjacent to the project area. However, the NAHC's response during this study indicated the presence of unspecified Native American cultural resource(s) in the general vicinity of the project location and referred further inquiry to the local Native American tribes. According to CEQA guidelines, the identification of potential "tribal cultural resources" is beyond the scope of this study and needs to be addressed through government-to-government consultations between the City of Redlands and the pertinent Native American groups pursuant to Assembly Bill (AB) 52.

Based on these findings, CRM TECH presents the following recommendations to the City of Redlands:

- A tentative conclusion of *No Impact* on known cultural resources appears to be appropriate for this project, pending the completion of the AB 52 consultation process to ensure the proper identification of potential "tribal cultural resources."

- No additional cultural resources investigation is necessary for the proposed project unless development plans undergo such changes as to include areas not covered by this study.
- If buried cultural materials are discovered during earth-moving operations associated with the project, all work within 50 feet of the discovery should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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n.d. Corporate Commitment. https://www.la-z-boy.com/content/AboutLaZBoy/corporate-commitment.
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1981 Life on Cottonwood Row. *Heritage Tales* 1981:33-71. Fourth Annual Publication of the City of San Bernardino Historical Society, San Bernardino.
McDonald, Meg, Philip J. Wilke, and Andrea Kauss
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Milburn, Doug, U.K. Doan, and John D. Goodman II
2008 Archaeological Investigation at Baldy Mesa-Cajon Divide for the Baldy Mesa Off-Highway-Vehicle Recreation Trails Project, San Bernardino National Forest, San Bernardino County, California. San Bernardino National Forest Technical Report 05-12-53-091. San Bernardino.
Moore, Frank E.
1987 *Redlands—Our Town*. Moore Historical Foundation, Redlands.
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1938-2020 Aerial photographs of the project vicinity; taken in 1938, 1959, 1966; 1968, 1980, 1984, 1985, 1994, 2022, 2055, 2099, 2010, 2012, 2014, 2016, 2018, and 2020. http://www.historicaerials.com.
O'Connell, James F., Philip J. Wilke, Thomas F. King, and Carol L. Mix (eds.)
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Schuiling, Walter C.
1984 *San Bernardino County: Land of Contrasts*. Windsor Publications, Woodland Hills, California.
Schwartz, Penny
2013 Redlands: Decades of Architect's Drawings Donated to Library. *The Press-Enterprise* July 30. https://www.pressenterprise.com/2013/07/30/redlands-decades-of-architect8217s-drawings-donated-to-library/.
Slaughter, Powell
2019 La-Z-Boy to Close Calif. Upholstery Plant, Relocate Cut-and-sew. *Furniture Today Newsletter* August 9. https://www.furnituretoday.com/furniture-manufacturing/la-z-boy-to-close-calif-upholstery-plant-relocate-cut-and-sew.
Strong, William Duncan
1929 *Aboriginal Society in Southern California*. University of California Publications in American Archaeology and Ethnology 26.
The Henry Ford (the Henry Ford Museum of American Innovation)
n.d. Patent for the First La-Z-Boy Reclining Chair, January 29, 1927. https://www.thehenryford.org/collections-and-research/digital-collections/artifact/420489/#slide=gs-463746.

UCSB FrameFinder
1952 Aerial photograph taken in 1953. University of California, Santa Barbara Geospatial Collection. https://www.library.ucsb.edu/geospatial/aerial-photography.
USGS (United States Geological Survey, U.S. Department of the Interior)
1901 Map: Redlands, Calif. (15', 1:62,500); surveyed in 1898-1899.
1943 Map: Redlands and Vicinity, Calif. (1:31,680); surveyed in 1939.
1954 Map: Redlands, Calif. (15', 1:62,500); aerial photographs taken in 1952, field-checked in 1954.
1969 Map: San Bernardino, Calif. (120'x60', 1:250,000); 1958 edition revised.
1979 Map: Santa Ana, Calif. (120'x60', 1:250,000); 1959 edition revised.
1996 Map: Redlands, Calif. (7.5', 1:24,000); 1988 edition photorevised in 1996.
Warren, Claude N.
1984 The Desert Region. In Michael J. Moratto (ed.): *California Archaeology*; pp. 339-430. Academic Press, Orlando, Florida.

APPENDIX 1:
PERSONNEL QUALIFICATIONS

PRINCIPAL INVESTIGATOR, HISTORY/ARCHITECTURAL HISTORY

Education

1988-1993	Graduate Program in Public History/Historic Preservation, University of California, Riverside.
1987	M.A., American History, Yale University, New Haven, Connecticut.
1982	B.A., History, Northwestern University, Xi'an, China.
2000	"Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
1994	"Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1993-2002	Project Historian/Architectural Historian, CRM TECH, Riverside, California.
1993-1997	Project Historian, Greenwood and Associates, Pacific Palisades, California.
1991-1993	Project Historian, Archaeological Research Unit, University of California, Riverside.
1990	Intern Researcher, California State Office of Historic Preservation, Sacramento.
1990-1992	Teaching Assistant, History of Modern World, University of California, Riverside.
1988-1993	Research Assistant, American Social History, University of California, Riverside.
1985-1988	Research Assistant, Modern Chinese History, Yale University.
1985-1986	Teaching Assistant, Modern Chinese History, Yale University.
1982-1985	Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China.

Cultural Resources Management Reports

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

PRINCIPAL INVESTIGATOR, ARCHAEOLOGY
Michael Hogan, Ph.D., RPA (Registered Professional Archaeologist)

Education

1991	Ph.D., Anthropology, University of California, Riverside.
1981	B.S., Anthropology, University of California, Riverside; with honors.
1980-1981	Education Abroad Program, Lima, Peru.
2002	"Section 106—National Historic Preservation Act: Federal Law at the Local Level," UCLA Extension Course #888.
2002	"Recognizing Historic Artifacts," workshop presented by Richard Norwood, Historical Archaeologist.
2002	"Wending Your Way through the Regulatory Maze," symposium presented by the Association of Environmental Professionals.
1992	"Southern California Ceramics Workshop," presented by Jerry Schaefer.
1992	"Historic Artifact Workshop," presented by Anne Duffield-Stoll.

Professional Experience

2002-	Principal Investigator, CRM TECH, Riverside/Colton, California.
1999-2002	Project Archaeologist/Field Director, CRM TECH, Riverside, California.
1996-1998	Project Director and Ethnographer, Statistical Research, Inc., Redlands, California.
1992-1998	Assistant Research Anthropologist, University of California, Riverside.
1992-1995	Project Director, Archaeological Research Unit, U.C. Riverside.
1993-1994	Adjunct Professor, Riverside Community College, Mt. San Jacinto College, U.C. Riverside, Chapman University, and San Bernardino Valley College.
1991-1992	Crew Chief, Archaeological Research Unit, U.C. Riverside.
1984-1998	Project Director, Field Director, Crew Chief, and Archaeological Technician for various southern California cultural resources management firms.

Research Interests

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

Cultural Resources Management Reports

Principal investigator for, author or co-author of, and contributor to numerous cultural resources management study reports since 1986.

Memberships

Society for American Archaeology; Society for California Archaeology; Pacific Coast Archaeological Society; Coachella Valley Archaeological Society.

PROJECT HISTORIAN/ARCHITECTURAL HISTORIAN
Terri Jacquemain, M.A.

Education

2004	M.A., Public History and Historic Resource Management, University of California, Riverside.
2002	B.S., Anthropology, University of California, Riverside.
2001	Archaeological Field School, University of California, Riverside.
1991	A.A., Riverside Community College, Norco Campus.

Professional Experience

2003-	Historian/Architectural Historian/Report Writer, CRM TECH, Riverside/ Colton, California.
2002-2003	Teaching Assistant, Religious Studies Department, University of California, Riverside.
2002	Interim Public Information Officer, Cabazon Band of Mission Indians.
2000	Administrative Assistant, Native American Student Programs, University of California, Riverside.
1997-2000	Reporter, *Inland Valley Daily Bulletin*, Ontario, California.
1991-1997	Reporter, *The Press-Enterprise*, Riverside, California.

PROJECT ARCHAEOLOGIST/NATIVE AMERICAN LIAISON
Nina Gallardo, B.A.

Education

2004	B.A., Anthropology/Law and Society, University of California, Riverside.

Professional Experience

2004-	Project Archaeologist, CRM TECH, Riverside/Colton, California.

Honors and Awards

2000-2002	Dean's Honors List, University of California, Riverside.

PROJECT ARCHAEOLOGIST/REPORT WRITER
Nicole A. Raslich, M.A.

Education

2017-	Ph.D. candidate, Michigan State University, East Lansing.
2011	M.A., Anthropology, Michigan State University, East Lansing.
2005	B.A., Natural History of Biology and Anthropology, University of Michigan, Flint.
2022	Adult First Aid/CPR/AED Certification, American Red Cross.
2019	Grant and Research Proposal Writing for Archaeologists; SAA Online Seminar.
2014	Bruker Industries Tracer S1800 pXRF Training; presented by Dr. Bruce Kaiser, Bruker Scientific.
2013	Introduction to ArcGIS, Michigan State University, East Lansing.

Professional Experience

2022-	Project Archaeologist/Report Writer, CRM TECH, Colton, California.
2022	Archaeological Technician, Agua Caliente Band of Cahuilla Indians, Palm Springs, California.
2008-2021	Archaeological Consultant, Saginaw Chippewa Indian Tribe of Michigan.
2019	Archaeologist, Sault Tribe of Chippewa Indians and Little Traverse Bay Band of Odawa Indians
2018	Teaching Assistant, Michigan State University, East Lansing.
2017	Adjunct Professor, University of Michigan, Flint.
2015-2016	Graduate Fellow, Michigan State University Campus Archaeology Program, East Lansing.
2015	Archaeologist, Michigan State University, Illinois State Museum, and Dickson Mounds Museum.
2013-2015	Curation Research Assistant, Michigan State University Museum, East Lansing.
2008-2014	Research Assistant, Intellectual Property Issues in Cultural Heritage, Simon Frasier University, British Columbia, Canada.
2009-2012	Editorial Assistant/Copy Editor, *American Antiquity*.
2009-2011	Archaeologist/Crew Chief, Saginaw Chippewa Indian Tribe of Michigan.

Publications

2017	Preliminary Results of a Handheld X-Ray Fluorescence (pXRF) Analysis on a Marble Head Sarcophagus Sculpture from the Collection of the Kresge Art Center, Michigan State University. Submitted to Jon M. Frey, Department of Art, Art History, and Design. Michigan State University, East Lansing.
2016	Preserving Sacred Sites: Arctic Indigenous Peoples as Cultural Heritage Rights Holders (L. Heinämäki, T.M. Herrmann, and N.A. Raslich). University of Lapland Printing Centre, Rovaniemi, Finland.

PROJECT ARCHAEOLOGIST
Hunter C. O'Donnell, B.A.

Education

2016-	M.A. Program, Applied Archaeology, California State University, San Bernardino.
2015	B.A. (*cum laude*), Anthropology, California State University, San Bernardino.
2012	A.A., Social and Behavioral Sciences, Mt. San Antonio College, Walnut, California.
2011	A.A., Natural Sciences and Mathematics, Mt. San Antonio College, Walnut, California.
2014	Archaeological Field School, Santa Rosa Mountains; supervised by Bill Sapp of the United States Forest Service and Daniel McCarthy of the San Manuel Band of Mission Indians.

Professional Experience

2017-	Project Archaeologist, CRM TECH, Colton, California.
2016-2018	Graduate Research Assistant, Applied Archaeology, California State University, San Bernardino.
2016-2017	Cultural Intern, Cultural Department, Pechanga Band of Luiseño Indians, Temecula, California.
2015	Archaeological Intern, U.S. Bureau of Land Management, Barstow, California.
2015	Peer Research Consultant: African Archaeology, California State University, San Bernardino.

PROJECT ARCHAEOLOGIST
Cynthia Ayala, B.A.

Education

2021	B.A., Anthropology/Law and Society, University of California, Riverside (Dean's List; *cum laude*).
2018	A.A., Anthropology, Pasadena City College (Honors Award for Superior Achievement in Anthropology).
2018	Field School, Milford Archaeological Research Institute, Utah.
2017	Field School, La Suerte Biological Research Station/Maderas Rainforest Conservancy, Costa Rica.

Professional Experience

2022-	Project Archaeologist, CRM TECH, Colton, California.
2020-2021	Field Technician, Mckenna et al., Whittier, California, and Duke CRM, Irvine, California.

APPENDIX 2

SACRED LANDS FILE SEARCH RESULTS

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[Vacant]

COMMISSIONER
[**Vacant**]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

December 8, 2022

Nina Gallardo
CRM TECH

Via Email to: ngallardo@crmtech.us

Re: Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County

Dear Ms. Gallardo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Tribes on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Cameron.vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Bernardino County
12/8/2022

Agua Caliente Band of Cahuilla Indians
Patricia Garcia-Plotkin, Director
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6907
Fax: (760) 699-6924
ACBCI-THPO@aguacaliente.net

Agua Caliente Band of Cahuilla Indians
Reid Milanovich, Chairperson
5401 Dinah Shore Drive — Cahuilla
Palm Springs, CA, 92264
Phone: (760) 699 - 6800
Fax: (760) 699-6919
laviles@aguacaliente.net

Augustine Band of Cahuilla Mission Indians
Amanda Vance, Chairperson
84-001 Avenue 54 — Cahuilla
Coachella, CA, 92236
Phone: (760) 398 - 4722
Fax: (760) 369-7161
hhaines@augustinetribe.com

Cabazon Band of Mission Indians
Doug Welmas, Chairperson
84-245 Indio Springs Parkway — Cahuilla
Indio, CA, 92203
Phone: (760) 342 - 2593
Fax: (760) 347-7880
jstapp@cabazonindians-nsn.gov

Cahuilla Band of Indians
Daniel Salgado, Chairperson
52701 U.S. Highway 371 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 5549
Fax: (951) 763-2808
Chairman@cahuilla.net

Chemehuevi Indian Tribe
Sierra Pencille, Chairperson
P.O. Box 1976 1990 Palo Verde Drive — Chemehuevi
Havasu Lake, CA, 92363
Phone: (760) 858 - 4219
Fax: (760) 858-5400
chairman@cit-nsn.gov

Colorado River Indian Tribes
Rebecca Loudbear, Attorney General
26600 Mohave Road — Chemehuevi, Mojave
Parker, AZ, 85344
Phone: (928) 669 - 1271
Fax: (928) 669-5675
rloudbear@critdoj.com

Fort Mojave Indian Tribe
Timothy Williams, Chairperson
500 Merriman Ave — Mojave
Needles, CA, 92363
Phone: (760) 629 - 4591
Fax: (760) 629-5767
lindaotero@fortmojave.com

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
P.O. Box 941078 — Gabrielino
Simi Valley, CA, 93094
Phone: (626) 407 - 8761
christina.marsden@alumni.usc.edu

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos — Juaneno
San Juan Capisttrano, CA, 92675
Phone: (949) 293 - 8522
kaamalam@gmail.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Joyce Perry, Tribal Manager
4955 Paseo Segovia — Juaneno
Irvine, CA, 92603
Phone: (949) 293 - 8522
kaamalam@gmail.com

Juaneno Band of Mission Indians Acjachemen Nation 84A
Heidi Lucero, Chairperson
31411-A La Matanza Street — Juaneno
San Juan Capistrano, CA, 92675
Phone: (562) 879 - 2884
hllucero105@gmail.com

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010 — Kawaiisu
Lake Isabella, CA, 93240 — Tubatulabal
Phone: (760) 378 - 2915 — Koso
bbutterbredt@gmail.com

Kern Valley Indian Community
Julie Turner, Secretary
P.O. Box 1010 — Kawaiisu
Lake Isabella, CA, 93240 — Tubatulabal
Phone: (661) 340 - 0032 — Koso

Kern Valley Indian Community
Brandy Kendricks,
30741 Foxridge Court — Kawaiisu
Tehachapi, CA, 93561 — Tubatulabal
Phone: (661) 821 - 1733 — Koso
krazykendricks@hotmail.com

Los Coyotes Band of Cahuilla and Cupeño Indians
Ray Chapparosa, Chairperson
P.O. Box 189 — Cahuilla
Warner Springs, CA, 92086-0189
Phone: (760) 782 - 0711
Fax: (760) 782-0712

Morongo Band of Mission Indians
Robert Martin, Chairperson
12700 Pumarra Road — Cahuilla
Banning, CA, 92220 — Serrano
Phone: (951) 755 - 5110
Fax: (951) 755-5177
abrierty@morongo-nsn.gov

Morongo Band of Mission Indians
Ann Brierty, THPO
12700 Pumarra Road — Cahuilla
Banning, CA, 92220 — Serrano
Phone: (951) 755 - 5259
Fax: (951) 572-6004
abrierty@morongo-nsn.gov

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Pala Band of Mission Indians
Shasta Gaughen, Tribal Historic Preservation Officer
PMB 50, 35008 Pala Temecula Rd. — Cupeno, Luiseno
Pala, CA, 92059
Phone: (760) 891 - 3515
Fax: (760) 742-3189
sgaughen@palatribe.com

Pechanga Band of Indians
Mark Macarro, Chairperson
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
Phone: (951) 770 - 6000
Fax: (951) 695-1778
epreston@pechanga-nsn.gov

Pechanga Band of Indians
Paul Macarro, Cultural Resources Coordinator
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
Phone: (951) 770 - 6306
Fax: (951) 506-9491
pmacarro@pechanga-nsn.gov

Quechan Tribe of the Fort Yuma Reservation
Manfred Scott, Acting Chairman
Kw'ts'an Cultural Committee
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (928) 750 - 2516
scottmanfred@yahoo.com

Quechan Tribe of the Fort Yuma Reservation
Jill McCormick, Historic Preservation Officer
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (760) 572 - 2423
historicpreservation@quechantribe.com

Ramona Band of Cahuilla
John Gomez, Environmental Coordinator
P. O. Box 391670 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 4105
Fax: (951) 763-4325
jgomez@ramona-nsn.gov

Ramona Band of Cahuilla
Joseph Hamilton, Chairperson
P.O. Box 391670 — Cahuilla
Anza, CA, 92539
Phone: (951) 763 - 4105
Fax: (951) 763-4325
admin@ramona-nsn.gov

Rincon Band of Luiseno Indians
Bo Mazzetti, Chairperson
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 749 - 1051
Fax: (760) 749-5144
bomazzetti@aol.com

Rincon Band of Luiseno Indians
Cheryl Madrigal, Tribal Historic Preservation Officer
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 297 - 2635
crd@rincon-nsn.gov

San Fernando Band of Mission Indians
Donna Yocum, Chairperson
P.O. Box 221838 — Kitanemuk, Vanyume, Tataviam
Newhall, CA, 91322
Phone: (503) 539 - 0933
Fax: (503) 574-3308
ddyocum@comcast.net

San Manuel Band of Mission Indians
Jessica Mauck, Director of Cultural Resources
26569 Community Center Drive — Serrano
Highland, CA, 92346
Phone: (909) 864 - 8933
Jessica.Mauck@sanmanuel-nsn.gov

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 — Cahuilla
Anza, CA, 92539
Phone: (951) 659 - 2700
Fax: (951) 659-2228
lsaul@santarosa-nsn.gov

Serrano Nation of Mission Indians
Mark Cochrane, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (909) 528 - 9032
serranonation1@gmail.com

Serrano Nation of Mission Indians
Wayne Walker, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (253) 370 - 0167
serranonation1@gmail.com

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 663 - 5279
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 654 - 5544
Fax: (951) 654-4198
ivivanco@soboba-nsn.gov

Torres-Martinez Desert Cahuilla Indians
Cultural Committee,
P.O. Box 1160 — Cahuilla
Thermal, CA, 92274
Phone: (760) 397 - 0300
Fax: (760) 397-8146
Cultural-Committee@torresmartinez-nsn.gov

Twenty-Nine Palms Band of Mission Indians
Darrell Mike, Chairperson
46-200 Harrison Place — Chemehuevi
Coachella, CA, 92236
Phone: (760) 863 - 2444
Fax: (760) 863-2449
29chairman@29palmsbomi-nsn.gov

Twenty-Nine Palms Band of Mission Indians
Anthony Madrigal, Tribal Historic Preservation Officer
46-200 Harrison Place — Chemehuevi
Coachella, CA, 92236
Phone: (760) 775 - 3259
amadrigal@29palmsbomi-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed Redlands Warehouse Project at 301 Tennessee Street Assessor's Parcel Numbers 0292-192-11 and -14 (CRM TECH No. 3963) Project, San Bernardino County.

APPENDIX 3

CALIFORNIA HISTORICAL RESOURCES INVENTORY RECORD FORMS

Sites 3963-1H and 3963-2H
(Temporary Designations)

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings
Review Code Reviewer Date

Page 1 of 5 *Resource Name or # (Assigned by recorder) CRM TECH 3963-1H

P1. Other Identifier: Former La-Z-Boy furniture manufacturing plant

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Bernardino
and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** Redlands, Calif. **Date** 1996
T1S **R**3W**; SE 1/4 of Sec** 28 (extrapolated)**;** S.B. **BM** (San Bernardino land grant)

c. Address 301 Tennessee Street **City** Redlands **Zip** 92373

d. UTM: (Give more than one for large and/or linear resources) **Zone** 11 ; 481,427 **mE/** 3,768,406 **mN**
UTM Derivation: ☐ USGS Quad ☐ GIS ☒ Google Earth

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) Assessor's Parcel Number 0929-192-11; on the northwest corner of State Street and Tennessee Street

***P3a Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) The former La-Z-Boy manufacturing plant at 301 Tennessee Street consists of a main office/warehouse building and two smaller auxiliary buildings of concrete tilt-up construction situated to the north, all of them resting on concrete slab foundations with flat roofs. The main building is a tall one-story steel-frame and concrete structure that covers nearly two acres. Its squarish shape is a product of later additions that effectively doubled the original footprint, while some of the additions resulted in protrusions from the building. The concrete cladding covers nearly all of the exterior, leaving the building relatively blind but punctuated by loading docks with roll-up doors or single entries filled with metal commercial doors. (*Continued on p. 4*)

***P3b. Resource Attributes:** (List attributes and codes) HP8: Industrial building

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo (view, date, accession number): Photo taken on February 14, 2023; view to the northwest

***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
1965

***P7. Owner and Address:** Duke Realty Tennessee Street LP, 1420 Rocky Ridge Drive, Suite 380, Roseville, CA 95661

***P8. Recorded by** (Name, affiliation, & address)**:** Hunter O'Donnell, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

***P9. Date Recorded:** November 17, 2022

***P10. Survey Type** (describe)**:** Intensive-level survey for CEQA compliance purposes

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Terri Jacquemain, Nicole Raslich, and Hunter O'Donnell (2023): Historical/ Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

***Attachments:** ☐None ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Resource Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐Other (List):

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI #

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z

***Resource Name or #** (Assigned by recorder) CRM TECH 3963-1H

B1. Historic Name: La-Z-Boy

B2. Common Name:

B3. Original Use: Office/manufacturing

B4. Present Use: Office

***B5. Architectural Style:** Modern/vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations) The former La-Z-Boy furniture manufacturing plant was built for the company in 1965 and served in that capacity until October 2019, when the plant was closed. It was originally a 72,000-square-foot manufacturing plant. In 1972-1973, 43,600 square feet were added to the factory and 800 square feet to the front office, followed by a 624-square-foot tilt-up panel addition and another 9,225 square feet in 1991. The two ancillary buildings to the north of the (*Continued on p. 4*)

***B7. Moved?** √ No ___ Yes ___ Unknown **Date:** ___ **Original Location:**

***B8. Related Features:** See Item P3a.

B9a. Architect: Leon H. Armantrout

b. Builder: Forsberg and Gregory, Inc.

***B10. Significance: Theme** Post-World War II industrial development

Area Redlands

Period of Significance 1960s

Property Type Industrial/manufacturing

Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.) The former La-Z-Boy furniture manufacturing plant a is among several industrial buildings constructed in the vicinity during the 1960s-1970s period, in the early days of the development of an industrial district in the western portion of the City of Redlands. Its construction reflected the City's increasing efforts to diversify its economic base in the post-World War II era. At the time, the La-Z-Boy Company was already prominent in the industry and was pursuing a multi-state expansion. The building is (*Continued on p. 4*)

B11. Additional Resource Attributes: (List attributes and codes)

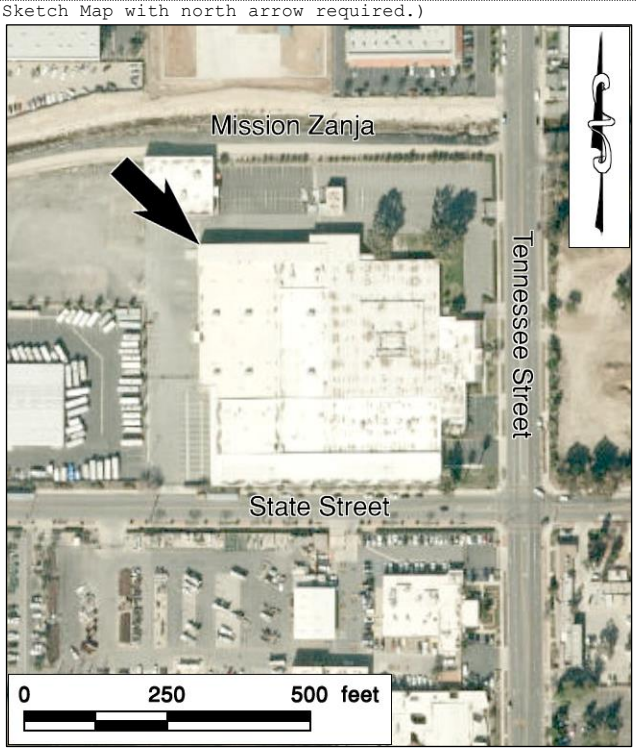
B12. References: City of Redlands building and safety records; various local newspaper accounts, www.newpapers.com; aerial photographs taken in 1959-2020, www.historicaerials.com; La-Z-Boy, Inc.: Corporate Commitment, www.la-z-boy.com/content/AboutLaZBoy/corporate-commitment.

B13. Remarks:

***B14. Evaluator:** Terri Jacquemain

***Date of Evaluation:** January 20, 2023

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

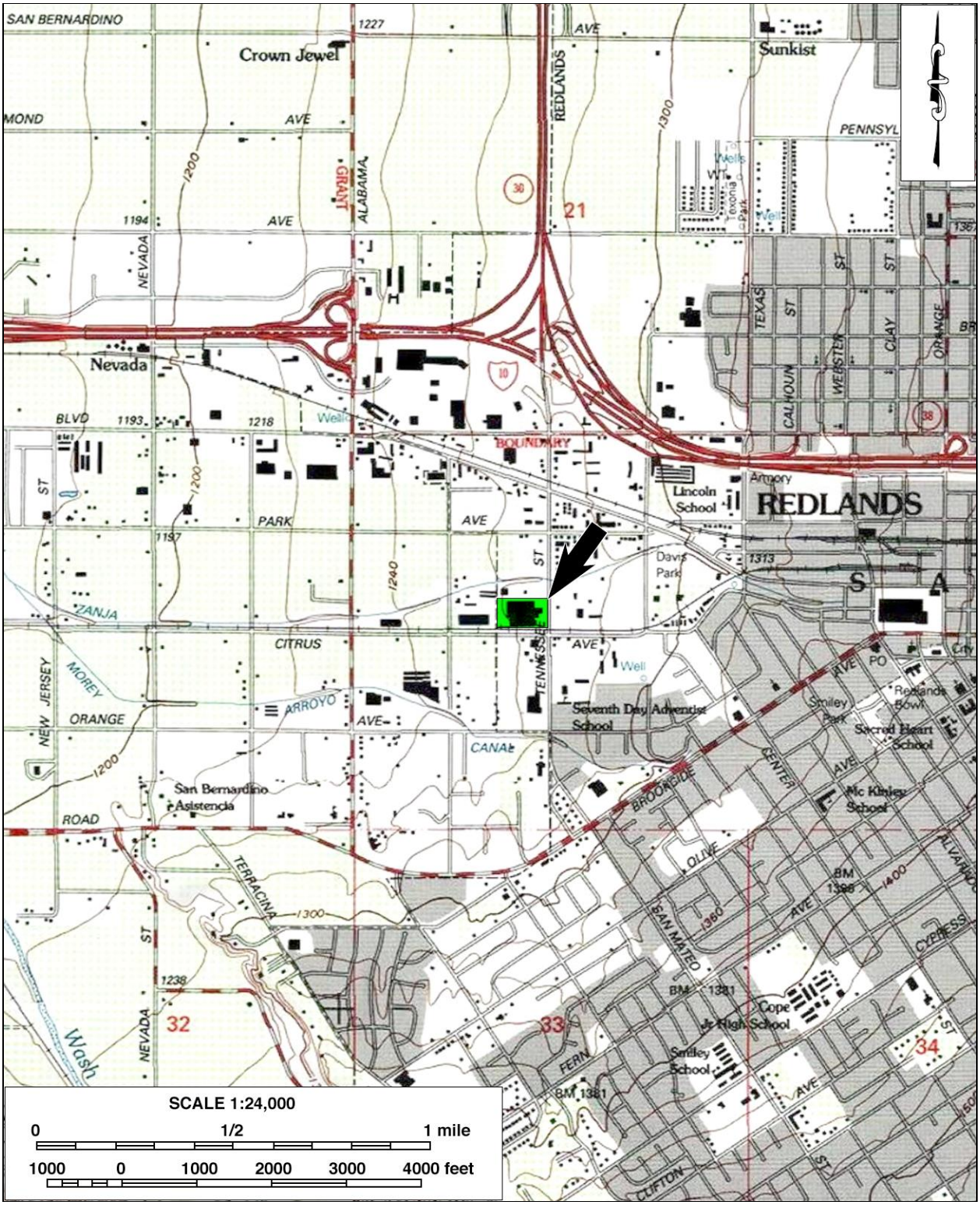
State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI #
Trinomial

*Resource Name or # (Assigned by recorder) CRM TECH 3963-1H

*Map Name: Redlands, Calif. *Scale: 1:24,000 *Date of Maps: 1996



* Required information

Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***P3a. Description (**continued**):** The rectangular front office portion on the eastern side, facing Tennessee Street, has a flat but lower roof, with its Armantrout-designed Modern-style elements somewhat overshadowed by the sizable unadorned additions at either end. Nevertheless, the Modern style remains apparent in the deeply recessed main entry between slightly over-extended brick partitions sheltering a plateglass wall and a metal-framed glass door with a transom. Varnished pine wood slats cover the entry ceiling, while square cut-outs in the brick sides allow a view of low-growing tropical plant gardens that flank the entry. A steel-framed enclosure reaching the roof level is filled on the top two-thirds by smoke glass, and open at the bottom. The entry is accessed by a brick-edged pebbled concrete walkway, flanked by low planters and paved parking lots and driveway.

***B6. Construction History (continued):** main plant, measuring 12,000 and 28,000 square feet, are both concrete tilt-up structures erected in 1969. A 1,300-square-foot conference room was added in 2004, and the monument sign along Tennessee Street was installed in 2014.

Architect Leon H. Armantrout moved to Redlands in 1960 and opened his office there in 1964. He has built an impressive body of work in Mid-Century Modern and Late Modern styles, including many custom homes and eye-catching institutional, professional, commercial, educational, and religious buildings. In 2013, Armantrout donated a catalog of his Redlands architectural drawings to the A.K. Smiley Public Library, among them those for the First United Methodist Church, the relocation and expansion of the ESRI campus, Redlands Community Center, Town Square Design for Redlands Mall, Empire Bowl, Redlands Medical Center, and the San Bernardino County Museum.

***B10. Significance (continued):** arguably associated with a pattern of events or a local historical theme, namely Redlands' transition away from its horticulture roots, and is also notable for its association to an innovative, industry-leading company. In neither case, however, does the building demonstrate a particularly important or close association in comparison to other properties known for similar associations.

To wit, the historical theme of mid-20th century industrial growth is well-represented by industrial and commercial enterprises of similar vintage throughout the Redland area, particularly the western portion of the city, and furniture manufacturing was not a dominant industry in the area or a particularly prominent element of the local economy. In regard to the association to the La-Z-Boy Company, although hailed as being the "first west of the Mississippi" the building was not a flagship building of the La-Z-Boy Company, but rather an outpost far from the company's Michigan headquarters, and one that appeared on the scene decades after the company had garnered wide-spread brand recognition.

Sources consulted during this study have yielded no evidence that the former La-Z-Boy plant is closely associated with any specific events or persons of recognized historic significance. In terms of architectural, structural, engineering, or aesthetic merits, the building was designed by prominent Redland architect Leon Armantrout, who worked primarily in mid-20th century Modern and Late Modern styles. Armantrout's body of work is well represented in his catalogue of architectural drawings within the City of Redlands and the larger southern California region. For this building, the (*Continued on p. 5*)

Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***B10. Significance (continued):** Modern-style design elements are largely confined to the central portion of the primary façade, while the rest of the building is functionally utilitarian, an expression sometimes in keeping with the style but overall appearing more vernacular or altered by later additions.

The La-Z-Boy plant is among a handful of industrial buildings to his credit, but despite being fewer in number, it does not stand out as an important or particularly remarkable example of Armantrout's body of work or of any style, property type, period, region, and method of construction. Furthermore, the 1960s era in industrial development is well documented in historical accounts, contemporary literature, as well as archival records, both nationwide and in the City of Redlands. As a result, this building holds little potential for any new or important data for the study of this subject. Based on these considerations, the former La-Z-Boy furniture manufacturing plant does not appear eligible for listing in the National Register of Historic Places or the California Register of Historical Resource.

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z
Other Listings _____
Review Code _____ Reviewer _____ Date _____

Page 1 of 4 *Resource Name or # (Assigned by recorder) CRM TECH 3963-2H

P1. Other Identifier: 360 Kansas Street

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Bernardino
and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

*b. **USGS 7.5' Quad** Redlands, Calif. **Date** 1996
T 1S **R** 3W; SE **1/4 of Sec** 28 (extrapolated); S.B. **BM** (San Bernardino land grant)

c. **Address** 360 Kansas Street **City** Redlands **Zip** 92373

d. **UTM:** (Give more than one for large and/or linear resources) **Zone** 11 ; 481,167 **mE**/ 3,768,453 **mN**
UTM Derivation: ☐ USGS Quad ☐ GIS ☒ Google Earth

e. **Other Locational Data:** (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) Assessor's Parcel Number 0929-192-14; on the east side of Kansas Street, approximately 350 feet north of State Street

***P3a Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) This Ranch-style one-story residence with an attached garage is a wood-framed structure built on a U-shaped plan. It rests on a concrete foundation and is surmounted by a medium-pitched hip roof sheathed in brown composition shingles. An addition with a shed roof is attached to the eastern (rear) side at the middle section. Light-colored stucco clads most of the exterior, although there are small half-wall sections of brick-and-mortar and vertical tooth-and-groove wood siding on the rear addition. Fenestration is a mix of vintage and recent windows of various size, as are the sashes adorning the entry doors. A modern metal roll-up door fills the entry to the garage, which is topped by a cupola at the roof ridge. Two wood-framed corrugated-metal sheds accompany the house in the rear.

***P3b. Resource Attributes:** (List attributes and codes) HP2: Single-family residence

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo (view, date, accession number): Photo taken on November 17, 2022; view to the east

***P6. Date Constructed/Age and Sources:** ☒ Historic ☐ Prehistoric ☐ Both
Ca. 1950

***P7. Owner and Address:** Duke Realty Tennessee Street LP, 1420 Rocky Ridge Drive, Suite 380, Roseville, CA 95661

***P8. Recorded by** (Name, affiliation, & address): Hunter O'Donnell, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

***P9. Date Recorded:** November 17, 2022

***P10. Survey Type** (describe): Intensive-level survey for CEQA compliance purposes

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Terri Jacquemain, Nicole Raslich, and Hunter O'Donnell (2023): Historical/ Archaeological Resources Survey Report: Assessor's Parcel Numbers 0292-192-11 and -14, City of Redlands, San Bernardino County, California

***Attachments:** ☐None ☒Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Resource Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐Other (List): _____

State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI #

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z

***Resource Name or #** (Assigned by recorder) CRM TECH 3693-2H

B1. Historic Name:
2.Common Name:
B3. Original Use: Residence
B4. Present Use: Vacant

***B5. Architectural Style:** Ranch

***B6. Construction History:** (Construction date, alterations, and date of alterations) The residence was built around 1950 and was originally accompanied by a long rectangular structure at the rear, or east. In 1954 it was the family home of Alex and Sadie Kimm, who were engaged in chicken ranching with other family members. The Kimms remained property owners until 1995, when it was deeded to Rettig Machine Shop. Building permits for this address include one issued to the Kimms in 1982 to repair fire damage and a reroof permit issued to Bob Rettig in 2010.

***B7. Moved?** √ No ___Yes ___Unknown **Date:** **Original Location:**

***B8. Related Features:** See Item P3a.

B9a. Architect: Unknown
b. Builder: Unknown

***B10. Significance: Theme** Early post-World War II transition (rural to suburban)
Area Redlands
Period of Significance 1945-1965
Property Type Residential
Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.) While this circa 1950 residence retains some elements recognizable to the era in scale and materials, such as a few surviving double-hung windows and a single-car garage, it has been significantly altered by additions, exterior wall cladding, and modern window replacements. Nevertheless, as a rural residence built amidst the groves in the waning years of Redlands robust citrus cultivation era, it shares an association with the city's long-held historical heritage and ensuing "citrus culture." (*Continued on p. 4*)

B11. Additional Resource Attributes: (List attributes and codes)

B12. References: Genealogical database entries for Kimm family members, www.ancestry.com; San Bernardino County Assessor's real property tax assessment database; City of Redlands building and safety records; aerial photographs taken in 1952-2020, mil.library.ucsb.edu/ap_indexes/FrameFinder/ and www.historicaerials.com.

B13. Remarks:

***B14. Evaluator:** Terri Jacquemain

***Date of Evaluation:** February 19, 2023

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

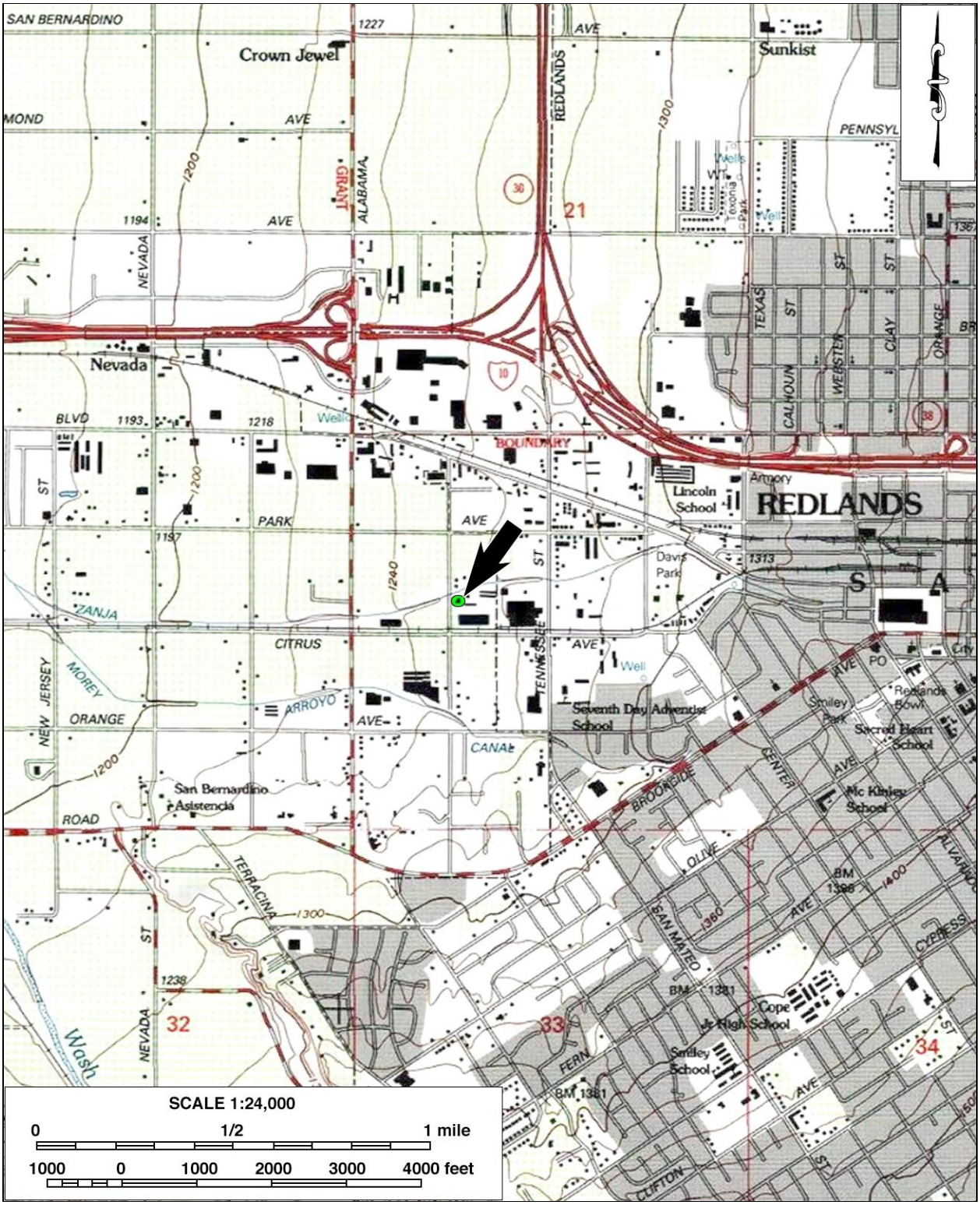
State of California--The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI #
Trinomial

Page 3 of 4 *Resource Name or # (Assigned by recorder) CRM TECH 3963-2H

*Map Name: Redlands, Calif. *Scale: 1:24,000 *Date of Maps: 1996



Recorded by: Hunter O'Donnell
***Date:** November 17, 2022 √ Continuation Update

***B10. Significance (continued):** Another historical theme that the residence is associated with is the post-World War II boom in urban/suburban development throughout the U.S. and especially in southern California. While the residence retains sufficient integrity to relate to these patterns of events, it does not demonstrate a unique, significant, or particularly close association with the historical themes in comparison to the numerous other residential buildings of similar character and similar vintage that survive in and around Redlands.

The historical background research has not identified any persons or specific events of recognized significance in the history of the residence, nor any prominent architects, designers, or builders in association with its construction. Architecturally, the building is essentially vernacular in appearance, owing partly to the alterations, and does not represent an important example of its style, type, period, region, or method of construction. With no notable qualities in design or construction, no documented historical association of importance, and little potential to yield any historical information, the residence at 360 Kansas Street does not appear to meet any of the criteria for listing the National Register of Historic Places or California Register of Historical Resources.

From:	Ryan Nordness
To:	Sean Reilly
Subject:	RE: City of Redlands AB-52 Tribal Consultation Notice - CRA-948, Tennessee Warehouse Project
Date:	Monday, September 26, 2022 12:51:06 PM

[**NOTICE:** This message originated outside of City of Redlands -- **DO NOT CLICK** on **links** or open **attachments** unless you are sure the content is safe.]

Hello Sean,
Thank you for contacting the Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians) regarding the above referenced project. YSMN appreciates the opportunity to review the project documentation, which was received by our Cultural Resources Management Department on September 22nd, 2022, pursuant to CEQA (as amended, 2015) and CA PRC 21080.3.1. The proposed project area exists within Serrano ancestral territory and, therefore, is of interest to the Tribe. However, due to the nature and location of the proposed project, and given the CRM Department's present state of knowledge, YSMN does not have any concerns with the project's implementation, as planned, at this time. As a result, YSMN requests that the following language be made a part of the project/permit/plan conditions:

CUL MMs

1. In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed within TCR-1, regarding any pre-contact and/or historic-era finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

2. If significant pre-contact and/or historic-era cultural resources, as defined by CEQA (as amended, 2015), are discovered and avoidance cannot be ensured, the archaeologist shall develop a Monitoring and Treatment Plan, the drafts of which shall be provided to YSMN for review and comment, as detailed within TCR-1. The archaeologist shall monitor the remainder of the project and implement the Plan accordingly.

3. If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.

TCR MMs

1. The Yuhaaviatam of San Manuel Nation Cultural Resources Department (YSMN) shall be contacted, as detailed in CR-1, of any pre-contact and/or historic-era cultural resources discovered during project implementation, and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with YSMN, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents YSMN for the remainder of the project, should YSMN elect to place a monitor on-site.

2. Any and all archaeological/cultural documents created as a part of the project (isolate

records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to YSMN. The Lead Agency and/or applicant shall, in good faith, consult with YSMN throughout the life of the project.

Note: Yuhaaviatam of San Manuel Nation realizes that there may be additional tribes claiming cultural affiliation to the area; however, Yuhaaviatam of San Manuel Nation can only speak for itself. The Tribe has no objection if the agency, developer, and/or archaeologist wishes to consult with other tribes in addition to YSMN and if the Lead Agency wishes to revise the conditions to recognize additional tribes.

Please provide the final copy of the project/permit/plan conditions so that YSMN may review the included language. This communication concludes YSMN's input on this project, at this time, and no additional consultation pursuant to CEQA is required unless there is an unanticipated discovery of cultural resources during project implementation. If you should have any further questions with regard to this matter, please do not hesitate to contact me at your convenience, as I will be your Point of Contact (POC) for YSMN with respect to this project.

Respectfully,
Ryan Nordness

From: Sean Reilly <sreilly@cityofredlands.org>
Sent: Thursday, September 22, 2022 2:34 PM
To: Sean Reilly <sreilly@cityofredlands.org>
Subject: City of Redlands AB-52 Tribal Consultation Notice - CRA-948, Tennessee Warehouse Project

Good afternoon,
Please see the attached AB-52 Project Notification.

In accordance with Assembly Bill 52, the City of Redlands is sending this notice to inform California Native American tribes that have requested such notice of a project application within a geographic area with which the tribe is traditionally and culturally affiliated. California Public Resources Code §21080.3.1 requires this notice within 14 days of the City determining this application is complete and/or after the City has decided to undertake a project. California Native American tribes have 30 days from the date of this notice to request consultation with the City regarding this project.

Please contact me with any questions.

Thank you,

Sean Reilly
Principal Planner
City of Redlands
35 Cajon St., Ste. 20/P.O. Box 3005
Redlands, CA 92373
Office 909.798.7555 ext. 7344
Fax 909.792.8715

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If you are on a mobile device, forward the suspicious email to spam@sanmanuel.com.

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Environment | Planning | Development Solutions, Inc.

Date:	January 30, 2023
Prepared by:	Meghan Macias, TE
To:	City of Redlands
Site:	301 Tennessee Street
Subject:	VMT Screening Analysis

This technical memorandum evaluates the need to prepare a Vehicle Miles Traveled (VMT) analysis for the proposed 197,397 SF general light industrial building (including up to 10% cold storage) located at 301 Tennessee Street in the City of Redlands. The Assessor's Parcel Numbers are 0292-192-11 and 0292-192-14. The project site is developed with an existing 193,469 square-foot manufacturing warehouse and a single-family house. Regional access to the project site is provided by the Interstate 10 Freeway (I-10) located approximately 0.6 miles north. The proposed project will be accessible via four driveways. There would be two driveways on Tennessee Street: a 40' truck accessible driveway would be located at the northeast corner of the site and a 30' driveway for passenger cars only would be located at the southeast corner of the project. A 40' driveway for truck access would be located on West State Street. Another 40' driveway for both truck and passenger car access would be located on Kansas Street.

The proposed project will consist of a new warehouse building with a total building area of 197,397 SF inclusive of 4,000 SF of office. The project also includes 25 dock doors along the west side of the building. The proposed project includes 267 vehicle parking spaces which are located on the western and eastern parking lots of the warehouse. Truck trailer parking stalls will also be located on the northwest portion of the project site. Internal circulation will be provided via 40' drive aisles for all truck access and 30' drive aisles for passenger car parking areas. The project site plan is shown in Figure 1.

VMT Screening Analysis

Senate Bill (SB) 743 was signed by Governor Brown in 2013 and required the Governor's Office of Planning and Research (OPR) to amend the CEQA Guidelines to provide an alternative to LOS for evaluating Transportation impacts. SB743 specified that the new criteria should promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks and a diversity of land uses. The bill also specified that delay-based level of service could no longer be considered an indicator of a significant impact on the environment. In response, Section 15064.3 was added to the CEQA Guidelines beginning January 1, 2019. Section 15064.3 - Determining the Significance of Transportation Impacts states that Vehicle Miles Traveled (VMT) is the most appropriate measure of transportation impacts and provides lead agencies with the discretion to choose the most appropriate methodology and thresholds for evaluating VMT. Section 15064.3(c) states that the provisions of the section shall apply statewide beginning on July 1, 2020.

The City of Redlands CEQA Assessment VMT Analysis Guidelines provides guidelines for analysis of transportation impacts under CEQA. The guidelines also provide three types of screening that can be applied to determine if a project is exempt from project-level VMT analysis. If a project meets one of the following criteria, then the VMT impact of the project is considered less-than significant and no further analysis of VMT would be required:

- The project is located within a Transit Priority Area.
- The project is located in a low VMT generating area.

- The project is considered a local serving use or would generate less than 3,000 metric tons of CO2 equivalent (3,000 MT CO2e) per year.

The project was screened using the SBCTA VMT Screening Tool (https://sbcta.maps.arcgis.com/apps/webappviewer/index.html?id=779a71bc659041ad995cd48d9ef4052b). The results of the screening analysis are shown in Figures 2A and 2B.

Screening Criteria 1 – The project is located within a Transit Priority Area: The SBCTA tool illustrates that the project is located completely within a Transit Priority Area, however this criterion would not apply as the project has a floor area ratio (FAR) of 0.44. The City of Redlands CEQA Assessment VMT Analysis Guidelines state that this criterion should be applied to projects with an FAR of 0.75 or more.

Screening Criteria 2 – Low VMT Generating Area: The City's guidelines include a screening threshold for projects located in a low VMT generating area. The project's site was evaluated using the SBCTA VMT Screening Tool as discussed previously. The project is located within TAZ 53827301. The criteria applied to this project was 15% below the County baseline using the Origin-Destination VMT per Service Population. As shown in Figures 2A and 2B, the Countywide VMT/Service Population is 33.3 and the threshold would be 28.3 VMT/Service Population. The screening tool indicates that these TAZs have an OD VMT/Service Population of 61.7. This is 85.29% above the threshold and would not be considered to generate a low VMT.

Screening Criteria 3 - The project is considered a local serving use or would generate less than 3,000 metric tons of CO2 equivalent (3,000 MT CO2e) per year. Under the Project Type Screening criteria, projects which generate less than 3,000 MT CO2e per year can be presumed to have a less than significant impact on VMT. Under the criteria, Light Industrial uses less than 74,600 SF would generate less than 3,000 MT CO2e per year. The proposed project would increase the light industrial use on the site by 3,928 square feet. Therefore, the project's VMT impact would be considered less than significant and a VMT analysis would not be required under this criterion.

Summary

The proposed project would increase the light industrial use on the site by 3,928 square feet. Furthermore, when the project is compared against the City of Redlands CEQA Assessment VMT Analysis Guidelines, the project's VMT impact would be considered less than significant and a VMT analysis would not be required under this criterion.

If you have any questions about this information, please contact me at (949) 794-1186.

Figure 1: Project Site Plan

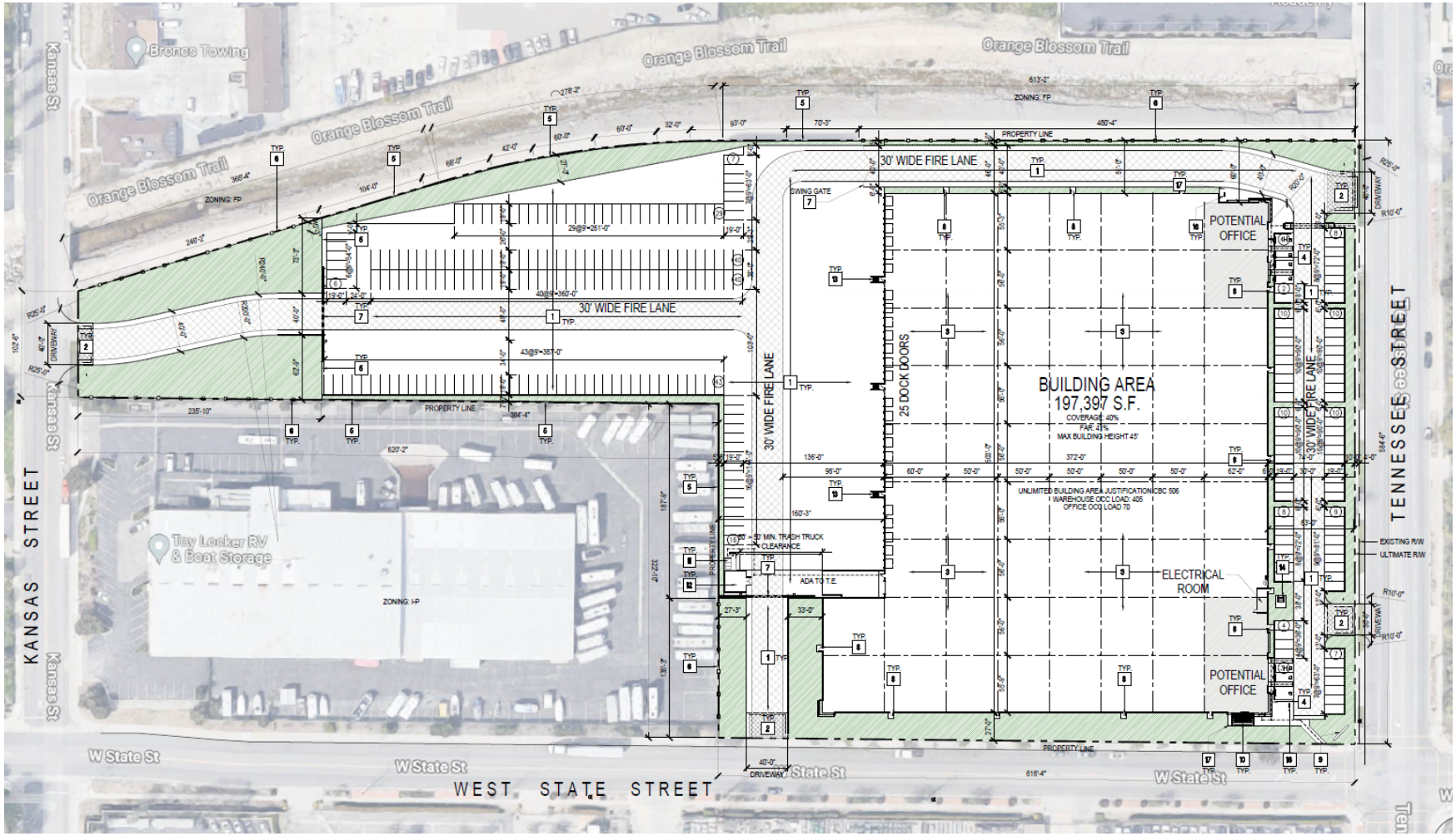


Figure 2A: SBCTA VMT Evaluation Tool Report (1/2)

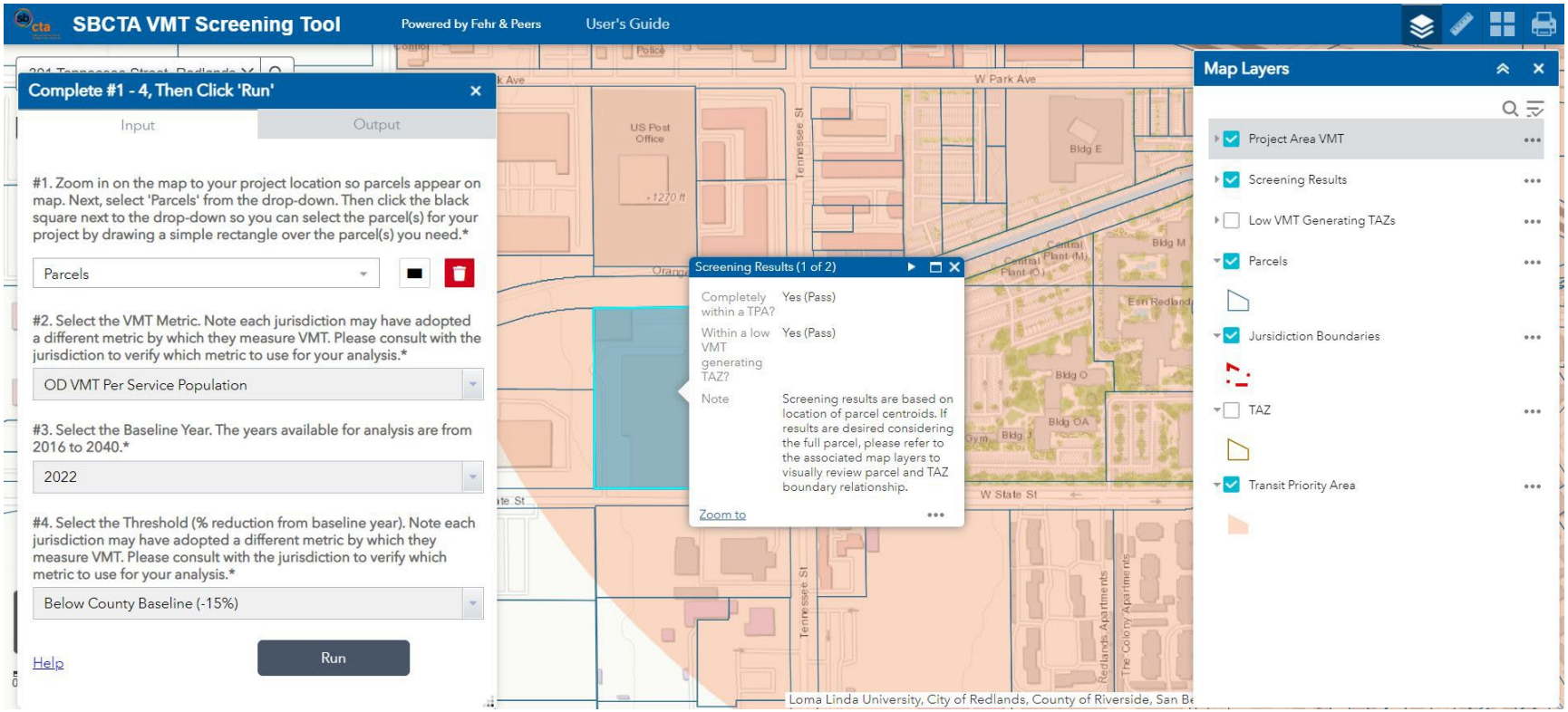


Figure 2B: SBCTA VMT Evaluation Tool Report (2/2)

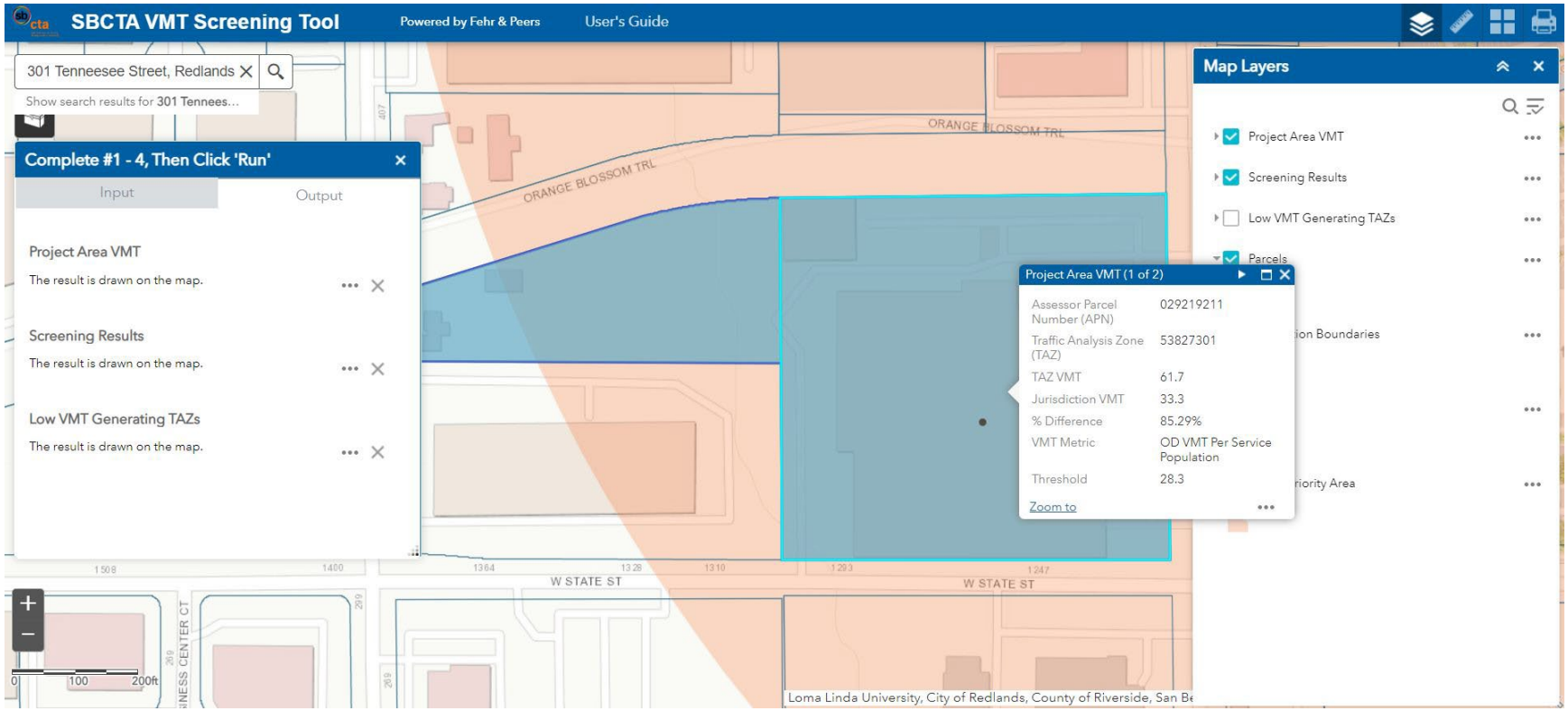


Table 1: Proposed Trip Generation

				AM Peak Hour			PM Peak Hour		
Land Use	**Units**		**Daily**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
Trip Rates									
General Light Industrial	TSF		4.87	0.65	0.09	0.74	0.09	0.56	0.65
Manufacturing	TSF		4.75	0.52	0.16	0.68	0.23	0.51	0.74
Single-Family Detached Housing	DU		9.43	0.182	0.518	0.7	0.5922	0.3478	0.94
Existing Trip Generation									
Existing Manufacturing Building	193.469	TSF	-919	-100	-32	-132	-44	-99	-143
Vehicle Mix [2]		***Percent*** [2,4]							
Passenger Vehicles		72.50%	-666	-73	-23	-96	-32	-72	-104
2-Axle truck		4.60%	-42	-5	-1	-6	-2	-5	-7
3-Axle truck		5.70%	-52	-6	-2	-8	-3	-6	-8
4+-Axle Trucks		17.20%	-158	-17	-6	-23	-8	-17	-25
		100%	-919	-100	-32	-132	-43	-100	-143
PCE Trip Generation [3]		***PCE Factor***							
Passenger Vehicles		1.0	-666	-73	-23	-96	-32	-72	-104
2-Axle truck		1.5	-63	-8	-1	-9	-3	-8	-11
3-Axle truck		2.0	-104	-12	-4	-16	-6	-10	-16
4+-Axle Trucks		3.0	-474	-51	-18	-69	-24	-51	-75
Existing Manufacuturing Building (PCE)			-1307	-144	-46	-190	-65	-141	-206
Single Family Residential [6]									
Passenger Vehicles	1	DU	-9	-1	-1	-1	-1	-1	-1
Total Existing Trip Generation			-928	-101	-33	-133	-45	-100	-144
Total Existing Trip Generation (PCE)			-1316	-145	-47	-191	-66	-142	-207

TSF = Thousand Square Feet

PCE = Passenger Car Equivalent

[1] Trip rates from the Institute of Transporation Engineers, Trip Generation,11th Edition, 2021. Land Use Code 110 General Light Industrial, 140 Manufacturing

[2] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. Without Cold Storage

[3] Passenger Car Equivalent (PCE) factors from the San Bernardino County CMP, Appendix B - Guidelines for CMP Traffic Impact Analysis Reports in San Bernardino County, 2016

[4] Total trip generation for this line rounded to match non-vehicle mix trip generation estimate.

[5] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. With Cold Storage

Environment | Planning | Development Solutions, Inc.

Date:	February 20, 2023
Prepared by:	Meghan Macias, TE
To:	City of Redlands
Site:	301 Tennessee Street
Subject:	Measure U Focused Traffic Analysis

This technical memorandum provides a Focused Traffic Analysis (FTA) for the proposed 197,397 SF general light industrial building (including up to 10% cold storage) located at 301 Tennessee Street in the City of Redlands. The Assessor's Parcel Numbers are 0292-192-11 and 0292-192-14. The FTA is in compliance with the Measure U Policies identified in the Connected City Element of the City of Redlands 2035 General Plan. The project site is developed with an existing 193,469 square-foot manufacturing warehouse (which is currently operating at its full capacity) and a single-family house. Regional access to the project site is provided by the Interstate 10 Freeway (I-10) located approximately 0.6 miles north. The proposed project will be accessible via four driveways. There would be two driveways on Tennessee Street: a 40' truck accessible driveway would be located at the northeast corner of the site and a 30' driveway for passenger cars only would be located at the southeast corner of the project. A 40' driveway for truck access would be located on West State Street. Another 40' driveway for both truck and passenger car access would be located on Kansas Street.

The proposed project will consist of a new warehouse building with a total building area of 197,397 SF inclusive of 4,000 SF of office. The project also includes 25 dock doors along the west side of the building. The proposed project includes 267 vehicle parking spaces which are located on the western and eastern parking lots of the warehouse. Truck trailer parking stalls will also be located on the northwest portion of the project site. Internal circulation will be provided via 40' drive aisles for all truck access and 30' drive aisles for passenger car parking areas. The project site plan is shown in Figure 1.

The analysis includes an evaluation of the existing and existing plus project levels of service at the following intersections:

1. Kansas Street and Park Avenue
2. Kansas Street and State Street
3. Tennessee Street and Park Avenue
4. Tennessee Street and State Street

The location of the project site and study area intersections are shown in Figure 2. AM and PM peak hour traffic operations were evaluated for the following scenarios:

- Existing Conditions
- Existing Plus Project Conditions

The analysis methodology and significance criteria utilized in this technical study are provided in *Attachment A* for reference.

Figure 1: Project Site Plan

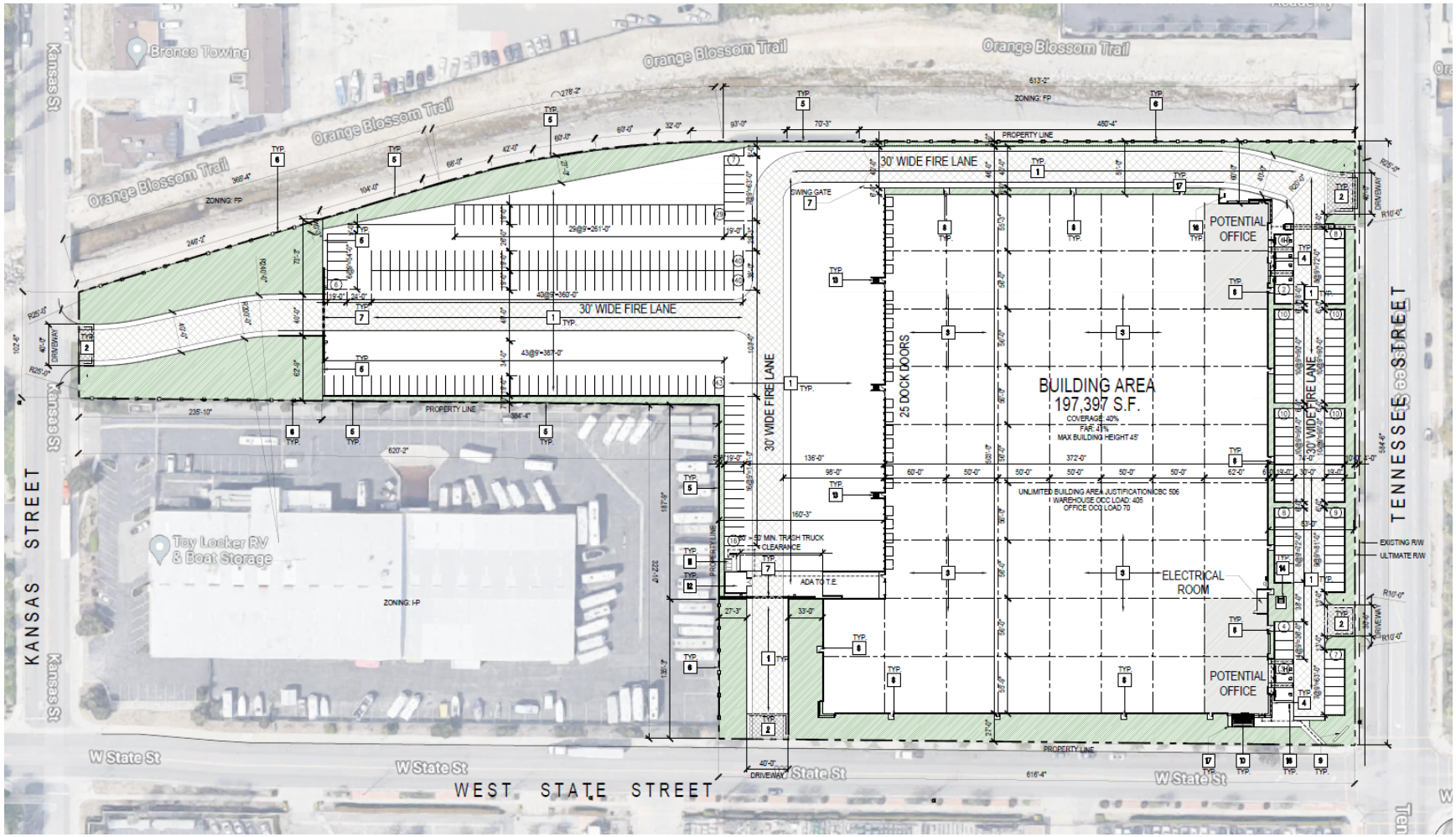
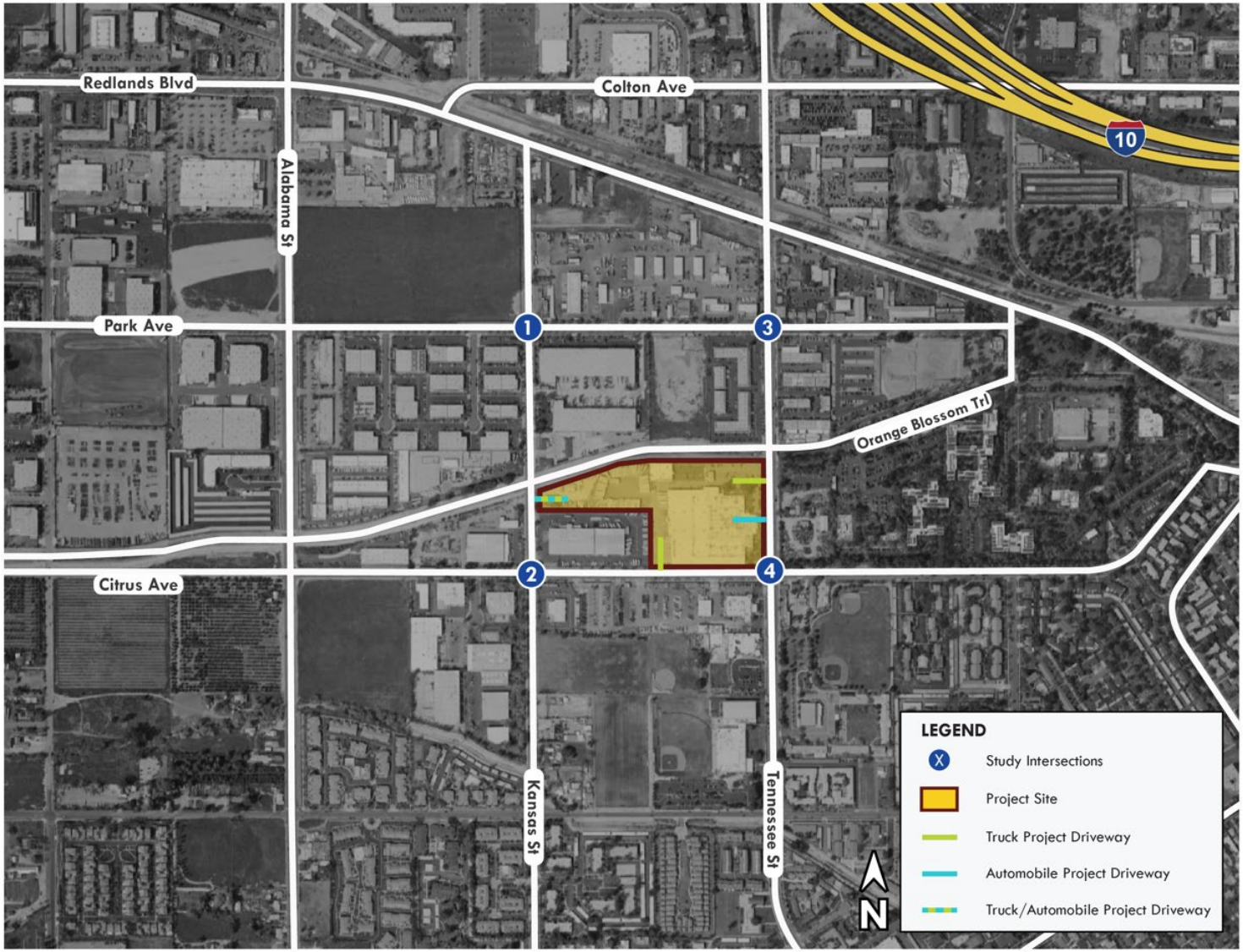
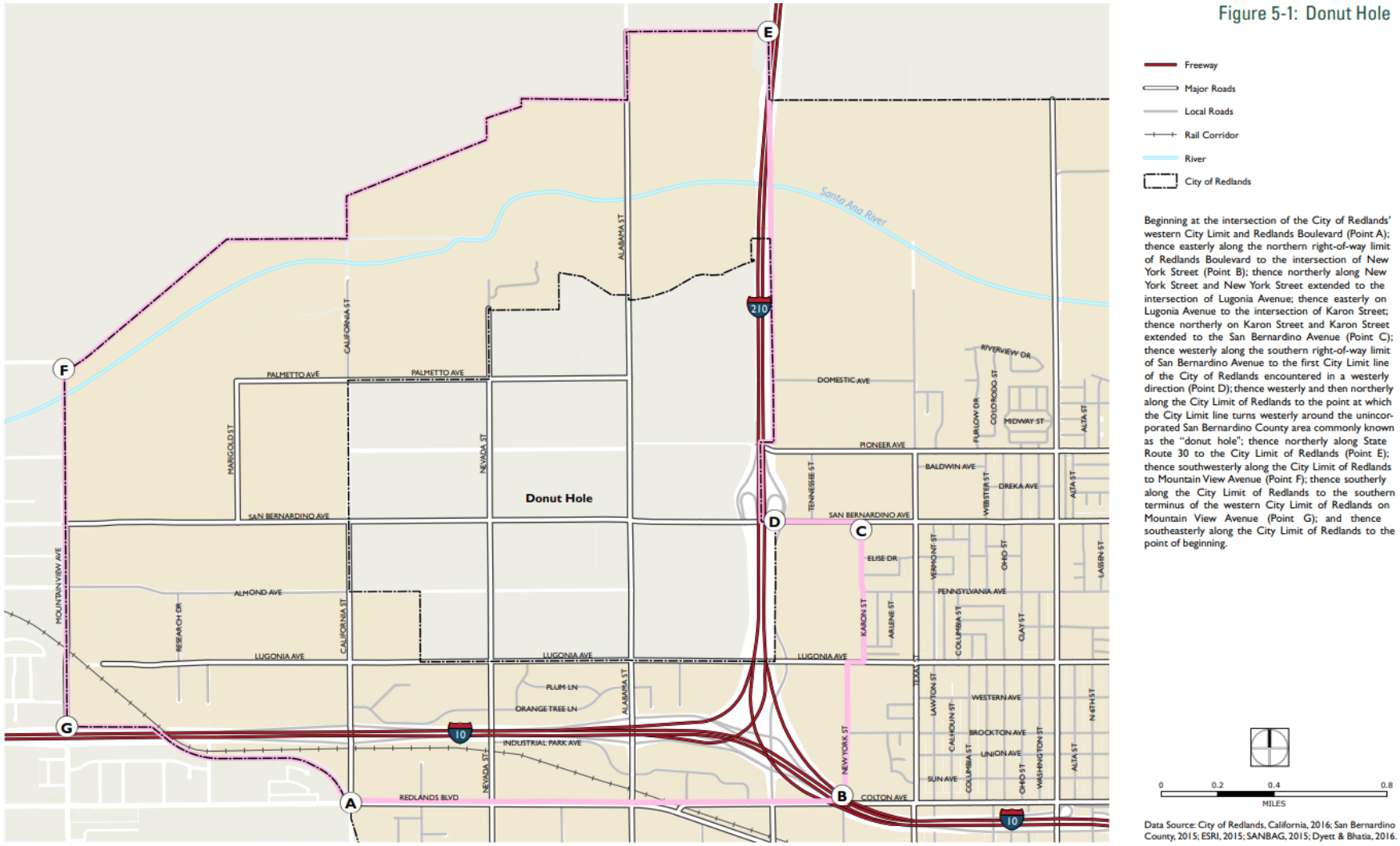


Figure 2: Study Area Intersections



City of Redlands General Plan Figure 5-1



Existing Conditions Intersection Operations

The existing Levels of Service at the study area intersections were determined using the Highway Capacity Manual (HCM), 7th Edition methodology, described in *Attachment A*.

The traffic volumes used in this FTA utilize the traffic volumes that were collected on Tuesday, September 27, 2022 for the following intersections:

1. Kansas Street and Park Avenue
2. Kansas Street and State Street
3. Tennessee Street and Park Avenue
4. Tennessee Street and State Street

The Existing AM and PM peak hour traffic volumes at the aforementioned intersections are provided in *Attachment B*.

Table 1 shows the existing AM and PM peak hour levels of service at study intersections. All Level of Service (LOS) calculations are provided in *Attachment* C. As shown in Table 1, under existing conditions, all intersections operate at a satisfactory LOS during the AM and PM peak hours except for the intersection of Kansas Street and State Street which operates at an unsatisfactory LOS F during the AM peak hour. It is to be noted that the 328.2 seconds AM delay at the Kansas Street/State Street intersection is due to the large existing volume of vehicles that are approaching the Kansas Street/State Street intersection from/to the Arrowhead Christian Academy Upper School. There are 340 vehicles (including 241 vehicles turning right) on the northbound approach during the worst AM peak hour and 453 vehicles (including 263 vehicles turning right and 180 heading through) on the eastbound approach during the worst AM peak hour. The City has a future potential plan to convert the current intersection control (i.e., two-way stop control) to an all-way stop control.

Table 1. Existing AM and PM Peak Hour Level of Service

Intersection	Traffic Control	AM Peak		PM Peak	
		Delay[1]	LOS[2]	Delay[1]	LOS[2]
1. Kansas Street and Park Avenue	TWSC	14.0	B	13.0	B
2. Kansas Street and State Street	TWSC	328.2	F	17.1	C
3. Tennessee Street and Park Avenue	Signal	8.7	A	10.6	B
4. Tennessee Street and State Street	Signal	16.5	B	12.1	B

=Unsatisfactory Level of Service

TWSC = Two-Way Stop Control

[1] Delay in Seconds

[2] Level of Service

Project Trip Generation and Distribution

The project trip generation analysis was prepared using trip rates from the Institute of Transportation Engineers (ITE), Trip Generation Manual, 11th edition. The trip generation takes credit for the existing warehouse and single-family house, as both are fully occupied in the existing condition. As shown in Table 2, the vacant existing manufacturing use is estimated to generate a total of 919 daily trips including 132 AM peak hour trips and 145 PM peak hour trips whereas the single-family house is estimated to generate a total of 9 daily trips including 1 AM peak hour trip and 1 PM peak hour trip. When adjusted for heavy truck trips and applying a passenger car equivalent (PCE) factors the previous manufacturing use would generate 1,308 daily trips including 187 PCE trips during the AM peak hour and 208 PCE trips during the PM peak hour. In total, the existing land use generates 1,317 daily PCE trips, 188 PCE trips during the AM peak hour and 209 PCE trips during the PM peak hour. The proposed general light industrial use including 10% cold storage would generate 1,387 daily PCE trips, 213 PCE trips during the AM peak hour, and 185 PCE trips during the PM peak hour.

The resulting net trip generation on the project site would result in 70 daily PCE trips, 25 PCE trips during the AM peak hour, and -24 PCE trips during the PM peak hour. The project trips were distributed throughout the study area based on logical travel paths and patterns. The project truck and passenger car trip distribution are shown in Figures 3 and 4. The project trip assignment is provided in Attachment D.

Project Site Access Analysis

Regional access to the project site is provided by the Interstate 10 Freeway (I-10) located approximately 0.6 miles north. The proposed project will be accessible via four driveways. There would be two driveways on Tennessee Street: a 40' truck accessible driveway would be located at the northeast corner of the site and a 30' driveway for passenger cars only would be located at the southeast corner of the project. A 40' driveway for truck access would be located on West State Street. Another 40' driveway for both truck and passenger car access would be located on Kansas Street. It is to be noted that all 4 driveways would be perpendicular to City streets as they currently are in the existing condition. Furthermore, the location of the driveways would not change and no new access to City streets is proposed.

Project Truck Routing

As shown in Figure 3 (*Project Truck Trip Distribution*), trucks would utilize the City's designated truck routes including Tennessee Street, Park Avenue, and Citrus Avenue. Trucks would travel to the project site from I-10 freeway via Alabama Street, Park Avenue and Kansas Street. Trucks would also use Tennessee Street and Citrus Avenue to enter the project site. Trucks would exit the project site through Kansas Street, Park Avenue, Alabama Street, and ultimately, the I-10 freeway. Trucks would also use Tennessee Street and Citrus Avenue.

Table 2: Proposed Trip Generation

				AM Peak Hour			PM Peak Hour		
Land Use	**Units**		**Daily**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
Trip Rates									
General Light Industrial	TSF		4.87	0.65	0.09	0.74	0.09	0.56	0.65
Manufacturing	TSF		4.75	0.52	0.16	0.68	0.23	0.51	0.74
Single-Family Detached Housing	DU		9.43	0.18	0.52	0.70	0.59	0.35	0.94
Existing Trip Generation									
Existing Manufacturing Building	193.469	TSF	-919	-101	-31	-132	-44	-99	-143
Vehicle Mix [2]		***Percent*** [2,4]							
Passenger Vehicles		72.50%	-667	-73	-23	-96	-32	-72	-104
2-Axle truck		4.60%	-42	-5	-1	-6	-2	-5	-7
3-Axle truck		5.70%	-52	-6	-2	-8	-3	-6	-9
4+-Axle Trucks		17.20%	-158	-17	-5	-22	-8	-17	-25
		100%	-919	-101	-31	-132	-45	-100	-145
PCE Trip Generation [3]		***PCE Factor***							
Passenger Vehicles		1.0	-667	-73	-23	-96	-32	-72	-104
2-Axle truck		1.5	-63	-8	-1	-9	-3	-8	-11
3-Axle truck		2.0	-104	-12	-4	-16	-6	-12	-18
4+-Axle Trucks		3.0	-474	-51	-15	-66	-24	-51	-75
Existing Manufacuturing Building (PCE)			-1308	-144	-43	-187	-65	-143	-208
Single Family Residential [6]									
Passenger Vehicles	1	DU	-9	0	-1	-1	-1	0	-1
Total Existing Trip Generation			-928	-101	-32	-133	-45	-99	-144
Total Existing Trip Generation (PCE)			-1317	-144	-44	-188	-66	-143	-209

Proposed Project Trip Generation

Proposed General Light Industrial	197.397	TSF	961	129	18	147	18	110	128
Vehicle Mix (90 % Warehousing) [2]		***Percent*** [2]							
Passenger Vehicles		72.50%	627	84	12	96	12	72	84
2-Axle truck		4.60%	40	5	1	6	1	5	6
3-Axle truck		5.70%	49	7	1	8	1	6	7
4+-Axle Trucks		17.20%	149	20	3	23	3	17	20
		100%	865	116	17	133	17	100	117
Vehicle Mix (10 % Cold Storage) [5]		***Percent*** [5]							
Passenger Vehicles		55.30%	53	7	1	8	0	7	7
2-Axle truck		15.50%	15	2	0	2	0	1	1
3-Axle truck		4.90%	5	1	0	1	0	0	0
4+-Axle Trucks		24.30%	23	3	0	3	0	3	3
		100%	96	13	1	14	0	11	11
PCE Trip Generation [3]		***PCE Factor***							
Passenger Vehicles		1.0	680	91	13	104	12	79	91
2-Axle truck		1.5	83	11	2	13	2	9	11
3-Axle truck		2.0	108	16	2	18	2	12	14
4+-Axle Trucks		3.0	516	69	9	78	9	60	69
Proposed General Light Industrial Building (PCE)			1387	187	26	213	25	160	185
Total Existing Trip Generation (PCE)			-1317	-144	-44	-188	-66	-143	-209
NET PCE Trip Generation			**70**	**43**	**-18**	**25**	**-41**	**17**	**-24**

TSF = Thousand Square Feet

PCE = Passenger Car Equivalent

[1] Trip rates from the Institute of Transporation Engineers, Trip Generation,11th Edition, 2021. Land Use Code 110 General Light Industrial, 140 Manufacturing

[2] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. Without Cold Storage

[3] Passenger Car Equivalent (PCE) factors from the San Bernardino County CMP, Appendix B - Guidelines for CMP Traffic Impact Analysis Reports in San Bernardino County, 2016

[4] Total trip generation for this line rounded to match non-vehicle mix trip generation estimate.

[5] Vehicle Mix from the Warehouse Truck Trip Study Data Results and Usage, Southern California Air Quality Management District Warehouse Truck Trip Study July 17, 2014. With Cold Storage

Figure 3: Project Truck Trip Distribution

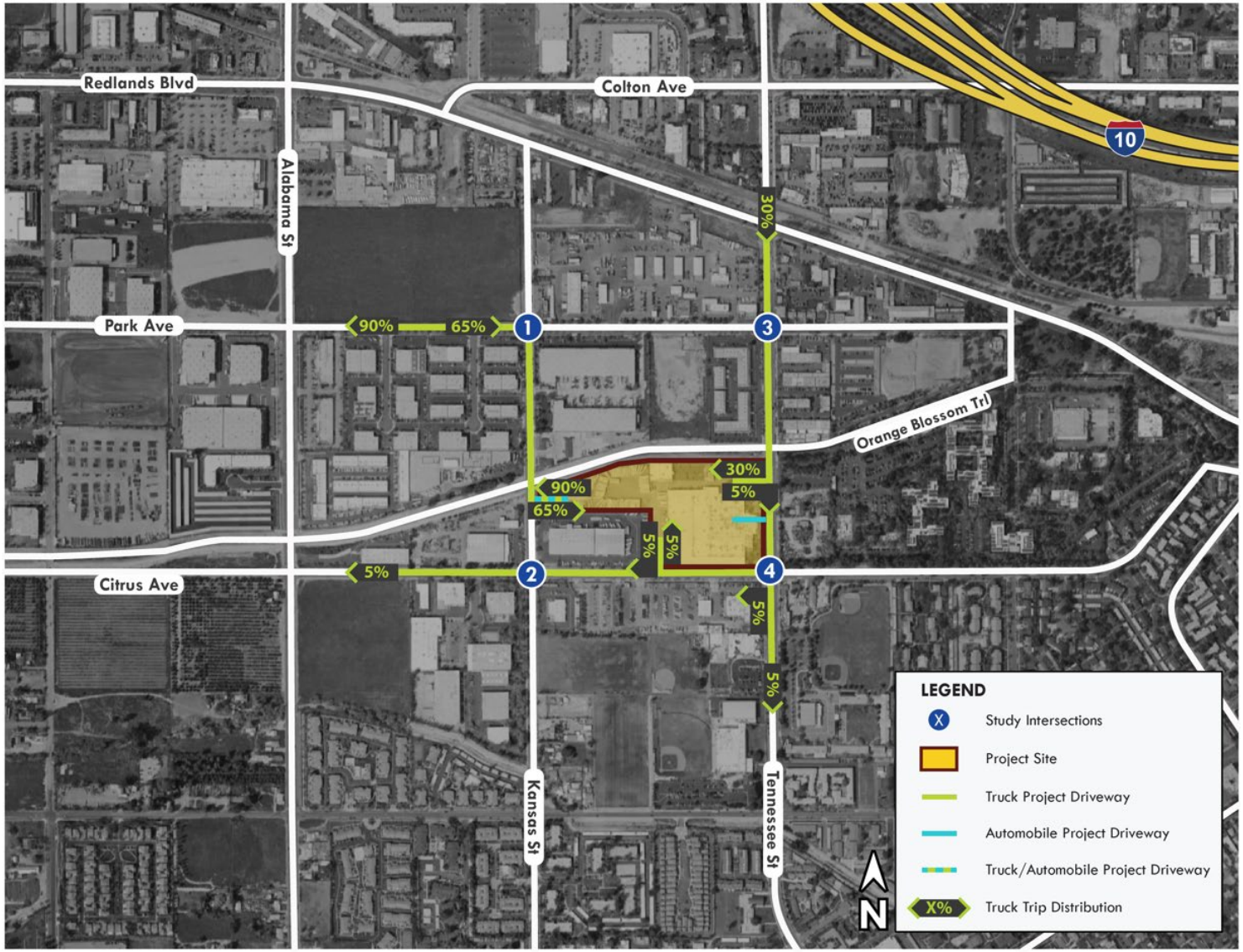


Figure 4: Project Passenger Car Trip Distribution



Existing Plus Project Conditions Intersection Operations

The Existing Plus Project Conditions were analyzed by adding project trips to the existing volumes at the study area intersections. It is to be noted that existing trips for the manufacturing warehouse were removed. Table 3 shows the Existing and Existing Plus Project AM and PM peak hour LOS at study intersections. All LOS calculations are provided in *Attachment* C. As shown in Table 3, under existing plus project conditions, all intersections would operate at a satisfactory LOS during the AM and PM peak hours except for the intersection of Kansas Street and State Street which would continue to operate at an unsatisfactory LOS F during the AM peak hour. However, the project does not impact the intersection since it doesn't increase the control delay at the intersection. It is to be noted that the 328.2 seconds AM delay at the Kansas Street/State Street intersection is due to the large existing volume of vehicles that are approaching the Kansas Street/State Street intersection from/to the Arrowhead Christian Academy Upper School. There are 340 vehicles (including 241 vehicles turning right) on the northbound approach during the worst AM peak hour and 453 vehicles (including 263 vehicles turning right and 180 heading through) on the eastbound approach during the worst AM peak hour. The City has a future potential plan to convert the current intersection control (i.e., two-way stop control) to an all-way stop control.

Table 3. Existing Plus Project AM and PM Peak Hour Level of Service

Intersection	Traffic Control	Existing				Existing Plus Project			
		AM Peak		PM Peak		AM Peak		PM Peak	
		Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]	Delay[1]	LOS[2]
1. Kansas Street and Park Avenue	TWSC	14.0	B	13.0	B	13.9	B	13.1	B
2. Kansas Street and State Street	TWSC	328.2	F	17.1	C	328.2	F	17.1	C
3. Tennessee Street and Park Avenue	Signal	8.7	A	10.6	B	8.7	A	10.7	B
4. Tennessee Street and State Street	Signal	16.5	B	12.1	B	16.5	B	12.3	B

=Unsatisfactory Level of Service

TWSC = Two-Way Stop Control

[1] Delay in Seconds

[2] Level of Service

[3] As per the City of Redlands Threshold

The proposed project's study area intersections were evaluated without and with project trips to determine if the project would cause any LOS deficiencies. All study area intersections would operate at satisfactory LOS in the Existing and Existing Plus Project Conditions except for the intersection of Kansas Street and State Street which would continue to operate at an LOS F; however, the project does not impact the intersection since it doesn't increase the time delay. It is to be noted that outbound AM trip generation rates for Manufacturing are higher than General Light Industrial use; therefore, as shown in Table 3, the time delay for the intersection of Kansas Street and Park Avenue in the Existing Plus Project AM scenario decreases when compared to the Existing scenario. Moreover, the project would not result in any unsatisfactory LOS and no improvements would be required.

Measure U Focused Traffic Analysis

This study evaluates the project using the following Measure U Policies identified in the Connected City Element of the City of Redlands 2035 General Plan as well as the County of San Bernardino Transportation Impact Study Guidelines (TIS Guidelines).

Measure U Policies (Standards for Traffic Service):

5.20a Maintain LOS C or better as the standard at all intersections presently at LOS C or better.

As shown in Table 3, all study intersections currently operate at LOS C or better except for the intersection of Kansas Street and State Street during the AM Peak hour. Addition of project traffic would not cause any location to deteriorate from LOS C to worse than LOS C.

5.20b Within the area identified in GP Figure 5-1, including that unincorporated County area identified on GP Figure 5-1 as the "donut hole", maintain LOS C or better; however, accept a reduced LOS on a case-by-case basis upon approval by a four-fifths (4/5ths) vote of the total authorized membership of the City Council. It is to be noted that Measure U Policy 5.20b would not apply since the project is not within the area identified in GP Figure 5-1.

5.20c Where the current level of service at a location within the City of Redlands is below the Level of Service (LOS) C standard, no development project shall be approved that cannot be mitigated so that it does not reduce the existing level of service at that location except as provided in Section 5.20b.

As shown in Table 3, the intersection of Kansas Street and State Street would operate at LOS F during the AM peak hour. Addition of project traffic would not change the delay or LOS at the intersection. Therefore, no mitigation is necessary as the project does not reduce the existing level of service at the intersection.

5.20f If monitoring of conditions at intersections within the East Valley Corridor Specific Plan area and intersections affected by EVC development indicates that peak hour LOS will drop below the standards set by Policies 5.20a, 5.20b, 5.20c revise the EVC Specific Plan. Revisions necessary may include additional roadway improvements, mandated higher TDM (Travel Demand Management, See Section 5.40) reductions in single-occupant vehicle trip share, reduction of intensity of development, or changes in use of undeveloped sites.

As noted previously, the project does not result in a drop in LOS at any intersection and therefore would not cause the LOS to drop below the referenced standards.

Summary

The proposed project's study area intersections were evaluated without and with project trips to comply with the City's Measure U policies by determining if the project would cause any LOS deficiencies. All study area intersections would operate at satisfactory LOS in the Existing and Existing Plus Project Conditions except for the intersection of Kansas Street and State Street which would continue to operate at an LOS F; however, the project does not impact the intersection since it doesn't increase the time delay. Moreover, the project would not result in any unsatisfactory LOS; therefore, the project would be in compliance with Measure U and no improvements would be required.

If you have any questions about this information, please contact me at (949) 794-1186.

Attachment A – Analysis Methodology

Methodology

Intersection operations are evaluated using Level of Service (LOS), which is a measure of the delay experienced by drivers on a roadway facility. LOS A indicates free-flow traffic conditions and is generally the best operating conditions. LOS F is an extremely congested condition and is the worst operating condition from the driver's perspective. In this report, LOS at signalized and unsignalized intersections is calculated using the Highway Capacity Manual (HCM), 7th Edition methodology.

LOS at signalized intersections is defined in terms of the weighted average control delay for the intersection as a whole. Control delay is a measure of the increase in travel time that is experienced due to traffic signal control and is expressed in terms of average control delay per vehicle (in seconds). Control delay is determined based on the intersection geometry and volume, signal cycle length, phasing and coordination along the arterial corridor. Table 4 shows the relationship between control delay and LOS.

Table 4: Relationship between Control Delay and LOS at a Signalized Intersection

LOS	Delay (Seconds per Vehicle)
A	≤ 10
B	>10 – 20
C	>20 – 35
D	>35 – 55
E	>55 – 80
F	>80

Unsignalized intersections are categorized as either all-way stop control (AWSC) or two-way stop control (TWSC). LOS at AWSC intersections is determined by the weighted average control delay of the overall intersection. The HCM TWSC intersection methodology calculates LOS based on the delay experienced by drivers on the minor (stop-controlled) approaches to the intersection. For TWSC intersections, LOS is determined for each minor-street movement, as well as the major-street left-turns. The relationship between delay and LOS at Unsignalized intersections is shown in Table 5.

Table 5: Relationship between Delay and LOS an Unsignalized Intersection

LOS	Delay (seconds)
A	0-10
B	>10 – 15
C	>15 – 25
D	>25 – 35
E	>35 – 50
F	>50

Significance Criteria

The city of Redlands has established LOS C as the minimum level of service for its intersections. To determine whether the addition project traffic at an intersection result in a project-related deficiency, the following threshold of significance will be utilized:

- If the addition of project-generated trips reduces the peak hour level of service of the intersection from acceptable operation (e.g., LOS A, B or C) to deficient operation (e.g., LOS D, E or F) or
- If the addition of project-generated trips worsens the pre-project level of service at an intersection at a deficient LOS (e.g., LOS D, E or F) and, if unsignalized, cause an unsignalized intersection to satisfy a CAMUTCD signal warrant.

Attachment B – Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Redlands	PROJECT #:	SC3641
9/27/22	NORTH & SOUTH:	Kansas	LOCATION #:	1
TUESDAY	EAST & WEST:	Park	CONTROL:	STOP N/S

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	◄ W	▲ N S ▼ E ►
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND Kansas			SOUTHBOUND Kansas			EASTBOUND Park			WESTBOUND Park				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	2	1	3	5	3	9	5	18	4	1	22	0	71					0
	7:15 AM	1	4	1	1	0	5	1	39	2	2	34	1	90					0
	7:30 AM	2	1	1	3	2	4	2	23	4	1	42	0	83					0
	7:45 AM	6	2	1	0	5	9	0	47	4	5	55	3	137					0
	8:00 AM	4	1	8	1	1	5	3	49	0	7	54	1	131					0
	8:15 AM	6	4	4	1	5	4	0	41	7	4	59	1	133					0
	8:30 AM	0	1	2	3	1	4	1	36	2	2	48	0	99					0
	8:45 AM	1	3	3	0	5	2	1	24	1	3	38	2	81					0
	VOLUMES	21	17	21	13	21	41	13	275	23	24	349	8	824	0	0	0	0	0
	APPROACH %	35%	29%	36%	18%	28%	55%	4%	89%	7%	6%	92%	2%						
	APP/DEPART	59	/	38	74	/	68	310	/	309	381	/	410	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	16	8	14	5	12	21	4	172	13	18	214	5	499					
	APPROACH %	41%	21%	37%	12%	31%	57%	2%	91%	7%	7%	90%	2%						
	PEAK HR FACTOR		0.694			0.661			0.922			0.931		0.914					
	APP/DEPART	38	/	17	37	/	42	188	/	191	237	/	251	0					
PM	4:00 PM	1	3	6	3	0	3	0	35	4	9	41	3	107					0
	4:15 PM	0	2	3	1	1	1	4	46	2	0	25	1	85					0
	4:30 PM	3	2	0	1	0	1	2	57	3	1	36	3	109					0
	4:45 PM	2	3	2	0	0	0	1	39	1	1	29	0	78					0
	5:00 PM	3	3	0	1	2	6	2	71	1	0	21	1	110					0
	5:15 PM	1	1	0	0	2	3	2	52	0	0	35	0	95					0
	5:30 PM	0	4	2	4	1	1	0	48	0	2	36	3	100					0
	5:45 PM	3	1	6	1	1	3	2	34	0	0	18	0	69					0
	VOLUMES	13	19	19	11	7	17	13	381	10	12	240	11	751	0	0	0	0	0
	APPROACH %	25%	38%	37%	32%	20%	48%	3%	94%	2%	5%	91%	4%						
	APP/DEPART	50	/	43	35	/	29	404	/	410	263	/	269	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	9	9	2	2	4	9	7	219	5	2	120	4	391					
	APPROACH %	45%	47%	8%	13%	27%	60%	3%	95%	2%	2%	95%	3%						
	PEAK HR FACTOR		0.731			0.441			0.784			0.788		0.892					
	APP/DEPART	19	/	20	15	/	11	231	/	222	126	/	138	0					

Kansas

NORTH SIDE

Park WEST SIDE EAST SIDE **Park**

SOUTH SIDE

Kansas

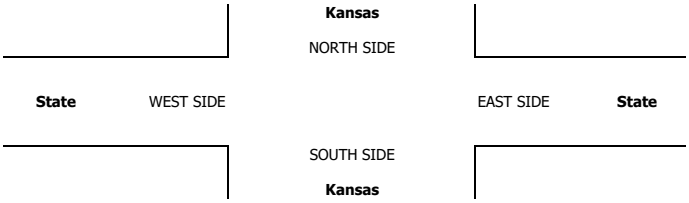
INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:		PROJECT #:	
9/27/22	NORTH & SOUTH:	Redlands Kansas	LOCATION #:	SC3641 2
TUESDAY	EAST & WEST:	State	CONTROL:	STOP N/S

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	◄ W	▲ N S ▼ E ►
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND Kansas			SOUTHBOUND Kansas			EASTBOUND State			WESTBOUND State				U-TURNS				
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	4	0	7	1	1	3	2	14	4	17	23	1	75					0
	7:15 AM	6	0	12	0	0	0	1	24	12	25	40	2	121					0
	7:30 AM	7	4	21	0	1	0	3	38	36	44	41	3	198					0
	7:45 AM	22	8	69	0	3	5	2	40	108	34	66	0	356					0
	8:00 AM	27	3	104	0	0	2	3	57	108	27	68	6	405					0
	8:15 AM	24	4	47	3	1	3	2	45	11	17	42	1	200					0
	8:30 AM	4	0	19	2	0	1	1	49	2	9	30	0	116					0
	8:45 AM	3	0	3	3	2	3	4	34	1	7	28	0	86					0
	VOLUMES	97	19	281	8	8	16	17	300	282	179	336	13	1,555	0	0	0	0	0
	APPROACH %	24%	5%	71%	25%	25%	50%	3%	50%	47%	34%	64%	2%						
	APP/DEPART	397	/	49	32	/	469	598	/	589	528	/	449	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	80	19	241	3	5	10	10	180	263	122	216	10	1,158					
	APPROACH %	24%	6%	71%	17%	28%	56%	2%	40%	58%	35%	62%	3%						
	PEAK HR FACTOR		0.633			0.563			0.673			0.866		0.716					
	APP/DEPART	340	/	39	18	/	390	453	/	424	348	/	306	0					
PM	4:00 PM	3	2	16	1	3	0	0	51	12	12	19	1	118					0
	4:15 PM	6	3	9	2	0	3	4	41	6	12	33	0	117					0
	4:30 PM	7	2	12	2	0	3	0	42	8	13	27	2	116					0
	4:45 PM	6	3	23	0	0	2	0	56	7	7	33	3	140					0
	5:00 PM	13	4	44	2	2	3	0	60	11	13	25	0	176					0
	5:15 PM	3	0	15	2	0	2	0	46	1	8	32	0	108					0
	5:30 PM	0	3	6	2	0	3	1	43	3	10	21	0	91					0
	5:45 PM	1	4	9	1	0	1	1	38	5	7	25	0	92					0
	VOLUMES	39	20	132	11	4	15	6	375	53	82	214	6	956	0	0	0	0	0
	APPROACH %	20%	10%	69%	37%	13%	50%	1%	87%	12%	27%	71%	2%						
	APP/DEPART	191	/	32	30	/	138	434	/	518	302	/	268	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	32	12	87	6	2	10	4	198	32	45	118	5	548					
	APPROACH %	25%	9%	67%	32%	9%	59%	2%	85%	14%	27%	70%	3%						
	PEAK HR FACTOR		0.537			0.654			0.824			0.949		0.778					
	APP/DEPART	130	/	21	17	/	78	234	/	290	167	/	160	0					



INTERSECTION TURNING MOVEMENT COUNTS

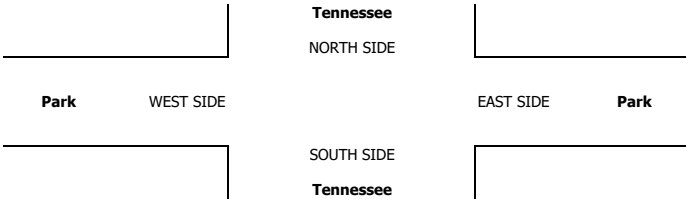
PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Redlands	PROJECT #:	SC3641
9/27/22	NORTH & SOUTH:	Tennessee	LOCATION #:	3
TUESDAY	EAST & WEST:	Park	CONTROL:	SIGNAL

	NOTES:									
PCE Adjusted	Class	1	2	3	4	5	6			
	Factor	1	1.5	2	3	2	2			

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Tennessee			SOUTHBOUND Tennessee			EASTBOUND Park			WESTBOUND Park				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	3	105	6	4	92	18	15	11	6	5	20	3	286					0
	7:15 AM	14	131	7	4	106	20	12	14	16	0	20	2	343					0
	7:30 AM	17	158	14	10	135	24	10	9	17	4	15	1	412					0
	7:45 AM	22	180	17	14	178	34	15	21	17	9	31	2	539					0
	8:00 AM	30	193	14	9	118	28	17	27	9	4	16	3	467					0
	8:15 AM	20	118	14	5	96	30	18	25	7	3	19	1	355					0
	8:30 AM	12	106	13	4	59	17	20	24	9	2	29	8	301					0
	8:45 AM	15	104	10	9	92	25	12	24	13	3	21	2	327					0
	VOLUMES	132	1,093	94	59	874	194	117	155	92	30	171	22	3,028	0	0	0	0	0
	APPROACH %	10%	83%	7%	5%	78%	17%	32%	43%	25%	13%	77%	10%						
	APP/DEPART	1,318	/	1,231	1,126	/	995	364	/	307	222	/	496	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	89	648	59	38	526	115	60	82	50	20	81	7	1,772					
	APPROACH %	11%	82%	7%	6%	78%	17%	31%	43%	26%	19%	75%	7%						
	PEAK HR FACTOR		0.842			0.753			0.903			0.640		0.822					
	APP/DEPART	795	/	715	678	/	596	192	/	178	108	/	284	0					
PM	4:00 PM	22	97	5	0	130	17	24	20	16	9	26	8	373					0
	4:15 PM	16	128	7	3	113	22	29	30	22	3	15	3	388					0
	4:30 PM	20	117	8	2	130	14	27	35	31	6	16	7	412					0
	4:45 PM	12	85	8	2	101	13	31	22	27	4	15	11	329					0
	5:00 PM	20	143	15	3	120	8	36	40	20	6	12	9	429					0
	5:15 PM	15	104	12	2	104	18	17	24	16	6	9	3	328					0
	5:30 PM	12	116	9	2	100	13	20	26	16	5	16	5	339					0
	5:45 PM	8	105	3	0	106	6	16	19	14	3	7	4	289					0
	VOLUMES	122	893	67	14	903	109	199	214	161	42	115	49	2,884	0	0	0	0	0
	APPROACH %	11%	83%	6%	1%	88%	11%	35%	37%	28%	20%	56%	24%						
	APP/DEPART	1,082	/	1,141	1,025	/	1,105	573	/	294	206	/	345	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	66	472	38	10	464	56	123	126	99	19	58	30	1,557					
	APPROACH %	11%	82%	7%	2%	88%	11%	35%	36%	29%	18%	54%	28%						
	PEAK HR FACTOR		0.815			0.908			0.908			0.898		0.907					
	APP/DEPART	576	/	624	529	/	582	347	/	173	106	/	179	0					



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:	LOCATION:	Redlands	PROJECT #:	SC3641
9/27/22	NORTH & SOUTH:	Tennessee	LOCATION #:	4
TUESDAY	EAST & WEST:	State	CONTROL:	SIGNAL

	NOTES:											
PCE Adjusted	Class	1	2	3	4	5	6			AM PM MD OTHER OTHER	◄ W	▲ N S ▼ E ►
	Factor	1	1.5	2	3	2	2					

		NORTHBOUND Tennessee			SOUTHBOUND Tennessee			EASTBOUND State			WESTBOUND State				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 0	WL 1	WT 1	WR 0	TOTAL	NB	SB	EB	WB	TTL
AM	7:00 AM	15	92	4	5	74	8	7	4	11	6	19	13	255					0
	7:15 AM	15	99	8	6	66	17	11	8	14	7	33	19	303					0
	7:30 AM	36	156	10	8	130	22	20	14	29	41	33	16	513					0
	7:45 AM	25	140	22	12	143	18	46	24	46	48	51	17	591					0
	8:00 AM	37	147	26	4	101	31	76	52	42	17	42	25	599					0
	8:15 AM	10	103	19	11	70	8	51	40	32	10	38	11	402					0
	8:30 AM	14	99	16	8	53	8	25	26	20	4	17	11	300					0
	8:45 AM	10	90	13	10	55	8	19	20	10	4	21	16	274					0
	VOLUMES	161	923	118	63	690	120	253	188	203	137	253	128	3,235	0	0	0	0	0
	APPROACH %	13%	77%	10%	7%	79%	14%	39%	29%	32%	26%	49%	25%						
	APP/DEPART	1,202	/	1,303	872	/	1,030	644	/	369	518	/	534	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	108	544	77	35	443	79	192	130	149	116	164	69	2,104					
	APPROACH %	15%	75%	11%	6%	80%	14%	41%	28%	32%	33%	47%	20%						
	PEAK HR FACTOR		0.870			0.804			0.693			0.753		0.879					
	APP/DEPART	729	/	805	557	/	708	470	/	241	348	/	351	0					
PM	4:00 PM	13	83	3	10	125	17	19	32	24	11	14	18	367					0
	4:15 PM	11	108	13	6	100	7	24	23	20	9	20	11	350					0
	4:30 PM	8	85	7	19	138	14	18	20	24	8	24	13	376					0
	4:45 PM	11	76	7	12	111	5	8	29	39	10	23	7	336					0
	5:00 PM	8	105	8	16	125	11	25	41	42	8	16	25	429					0
	5:15 PM	2	71	4	20	94	14	16	27	24	11	24	18	323					0
	5:30 PM	5	101	5	12	96	8	17	23	15	10	15	13	319					0
	5:45 PM	2	79	10	9	114	6	9	16	22	8	22	10	306					0
	VOLUMES	60	706	57	104	902	81	134	210	209	75	157	114	2,805	0	0	0	0	0
	APPROACH %	7%	86%	7%	10%	83%	7%	24%	38%	38%	22%	45%	33%						
	APP/DEPART	822	/	953	1,086	/	1,185	552	/	370	346	/	297	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	38	372	35	53	473	37	74	112	125	35	83	56	1,491					
	APPROACH %	9%	84%	8%	9%	84%	6%	24%	36%	40%	20%	48%	32%						
	PEAK HR FACTOR		0.846			0.825			0.721			0.883		0.869					
	APP/DEPART	445	/	501	563	/	633	310	/	200	173	/	157	0					

Tennessee

NORTH SIDE

State WEST SIDE EAST SIDE **State**

SOUTH SIDE

Tennessee

Attachment C – Level of Service Worksheets

301 Tennessee Street Industrial

Vistro File: C:\...\Vistro - Updated.vistro
Report File: C:\...\Existing AM.pdf

Scenario 1 Existing AM
10/17/2022

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Kansas/Park	Two-way stop	HCM 7th Edition	NB Left	0.053	14.0	B
2	Kansas/State	Two-way stop	HCM 7th Edition	NB Left	0.813	328.2	F
3	Tennessee/Park	Signalized	HCM 7th Edition	EB Left	0.354	8.7	A
4	Tennessee/State	Signalized	HCM 7th Edition	NB Left	0.505	16.5	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Kansas/Park

Control Type:	Two-way stop	Delay (sec / veh):	14.0
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.053

Intersection Setup

Name	Kansas			Kansas			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			Park			Park		
Base Volume Input [veh/h]	16	8	14	5	12	21	4	172	13	18	214	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	16	8	14	5	12	21	4	172	13	18	214	5
Peak Hour Factor	0.6940	0.6940	0.6940	0.6610	0.6610	0.6610	0.9220	0.9220	0.9220	0.9310	0.9310	0.9310
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	3	5	2	5	8	1	47	4	5	57	1
Total Analysis Volume [veh/h]	23	12	20	8	18	32	4	187	14	19	230	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.03	0.02	0.02	0.04	0.04	0.00	0.00	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	13.96	13.26	9.99	13.49	13.18	10.08	7.71	0.00	0.00	7.65	0.00	0.00
Movement LOS	B	B	A	B	B	B	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.34	0.34	0.34	0.31	0.31	0.31	0.01	0.01	0.01	0.03	0.03	0.03
95th-Percentile Queue Length [ft/ln]	8.39	8.39	8.39	7.83	7.83	7.83	0.17	0.17	0.17	0.80	0.80	0.80
d_A, Approach Delay [s/veh]	12.37			11.51			0.15			0.57		
Approach LOS	B			B			A			A		
d_I, Intersection Delay [s/veh]	2.66											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 2: Kansas/State

Control Type:	Two-way stop	Delay (sec / veh):	328.2
Analysis Method:	HCM 7th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.813

Intersection Setup

Name	Kansas			Kansas			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			State			State		
Base Volume Input [veh/h]	80	19	241	3	5	10	10	180	263	122	216	10
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	80	19	241	3	5	10	10	180	263	122	216	10
Peak Hour Factor	0.6330	0.6330	0.6330	0.5630	0.5630	0.5630	0.6730	0.6730	0.6730	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	8	95	1	2	4	4	67	98	35	62	3
Total Analysis Volume [veh/h]	126	30	381	5	9	18	15	267	391	141	249	12
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.81	0.16	0.64	0.13	0.06	0.02	0.01	0.00	0.00	0.15	0.00	0.00
d_M, Delay for Movement [s/veh]	328.22	324.28	311.01	103.76	36.39	16.01	7.78	0.00	0.00	9.05	0.00	0.00
Movement LOS	F	F	F	F	E	C	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	31.75	31.75	31.75	0.77	0.77	0.77	0.03	0.03	0.03	0.26	0.26	0.26
95th-Percentile Queue Length [ft/ln]	793.64	793.64	793.64	19.36	19.36	19.36	0.71	0.71	0.71	6.43	6.43	6.43
d_A, Approach Delay [s/veh]	315.79			35.45			0.17			3.17		
Approach LOS	F			E			A			A		
d_I, Intersection Delay [s/veh]	104.69											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 3: Tennessee/Park

Control Type:	Signalized	Delay (sec / veh):	8.7
Analysis Method:	HCM 7th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.354

Intersection Setup

Name	Tennessee			Tennessee			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	50.00	100.00	100.00	50.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			Park			Park		
Base Volume Input [veh/h]	89	648	59	38	526	115	60	82	50	20	81	7
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	89	648	59	38	526	115	60	82	50	20	81	7
Peak Hour Factor	0.8420	0.8420	0.8420	0.7530	0.7530	0.7530	0.9030	0.9030	0.9030	0.6400	0.6400	0.6400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	192	18	13	175	38	17	23	14	8	32	3
Total Analysis Volume [veh/h]	106	770	70	50	699	153	66	91	55	31	127	11
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing major street [	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing minor stree	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing minor street [	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	65
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	38	0	0	38	0	0	27	0	0	27	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	65	65	65	65	65	65	65	65	65	65
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	46	46	46	46	46	46	11	11	11	11
g / C, Green / Cycle	0.71	0.71	0.71	0.71	0.71	0.71	0.16	0.16	0.16	0.16
(v / s)_i Volume / Saturation Flow Rate	0.18	0.25	0.25	0.08	0.26	0.26	0.06	0.09	0.03	0.08
s, saturation flow rate [veh/h]	583	1683	1634	589	1683	1580	1126	1578	1118	1660
c, Capacity [veh/h]	423	1200	1165	429	1200	1126	211	259	201	272
d1, Uniform Delay [s]	8.53	3.59	3.59	7.48	3.63	3.63	28.66	25.02	28.24	24.77
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.41	0.82	0.85	0.55	0.86	0.92	0.84	1.92	0.35	1.46
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.25	0.36	0.36	0.12	0.37	0.37	0.31	0.56	0.15	0.51
d, Delay for Lane Group [s/veh]	9.94	4.41	4.44	8.04	4.49	4.55	29.50	26.94	28.60	26.22
Lane Group LOS	A	A	A	A	A	A	C	C	C	C
Critical Lane Group	No	No	No	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.88	1.59	1.56	0.34	1.39	1.33	1.00	2.10	0.46	1.95
50th-Percentile Queue Length [ft/ln]	21.95	39.87	38.91	8.42	34.85	33.17	24.99	52.51	11.41	48.65
95th-Percentile Queue Length [veh/ln]	1.58	2.87	2.80	0.61	2.51	2.39	1.80	3.78	0.82	3.50
95th-Percentile Queue Length [ft/ln]	39.52	71.77	70.04	15.16	62.73	59.70	44.98	94.52	20.54	87.57

Movement, Approach, & Intersection Results

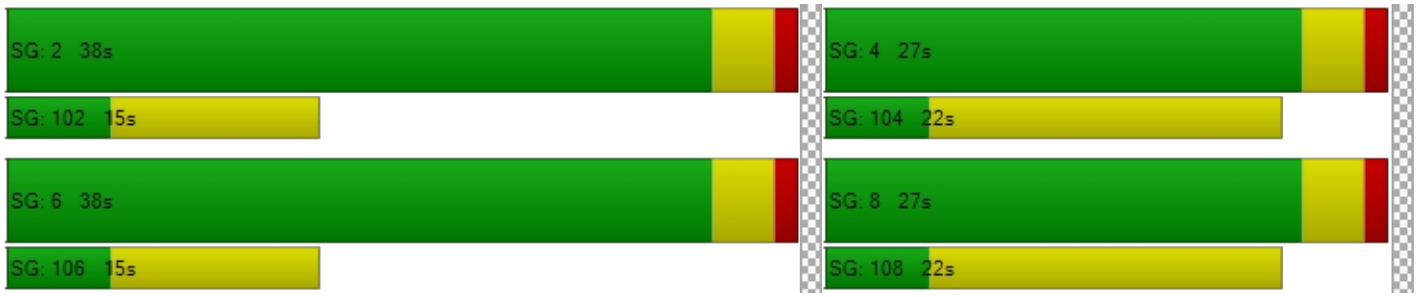
d_M, Delay for Movement [s/veh]	9.94	4.43	4.44	8.04	4.51	4.55	29.50	26.94	26.94	28.60	26.22	26.22
Movement LOS	A	A	A	A	A	A	C	C	C	C	C	C
d_A, Approach Delay [s/veh]	5.05			4.72			27.74			26.66		
Approach LOS	A			A			C			C		
d_I, Intersection Delay [s/veh]	8.71											
Intersection LOS	A											
Intersection V/C	0.354											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	24.12	24.12	24.12	24.12
l_p,int, Pedestrian LOS Score for Intersection	2.666	2.833	2.270	2.120
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1046	1046	708	708
d_b, Bicycle Delay [s]	7.39	7.39	13.57	13.57
l_b,int, Bicycle LOS Score for Intersection	2.340	2.304	1.909	1.838
Bicycle LOS	B	B	A	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Tennessee/State

Control Type:	Signalized	Delay (sec / veh):	16.5
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.505

Intersection Setup

Name	Tennessee			Tennessee			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	70.00	100.00	100.00	70.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			State			State		
Base Volume Input [veh/h]	108	544	77	35	443	79	192	130	149	116	164	69
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	108	544	77	35	443	79	192	130	149	116	164	69
Peak Hour Factor	0.8700	0.8700	0.8700	0.8040	0.8040	0.8040	0.6930	0.6930	0.6930	0.7530	0.7530	0.7530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	31	156	22	11	138	25	69	47	54	39	54	23
Total Analysis Volume [veh/h]	124	625	89	44	551	98	277	188	215	154	218	92
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing major street [	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing minor stree	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing minor street [	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	29	0	0	29	0	0	31	0	0	31	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	25	25	25	25	25	25	27	27	27	27
g / C, Green / Cycle	0.42	0.42	0.42	0.42	0.42	0.42	0.45	0.45	0.45	0.45
(v / s)_i Volume / Saturation Flow Rate	0.18	0.22	0.22	0.07	0.20	0.20	0.29	0.26	0.17	0.19
s, saturation flow rate [veh/h]	704	1683	1611	663	1683	1596	962	1538	884	1599
c, Capacity [veh/h]	291	701	671	269	701	665	400	692	329	720
d1, Uniform Delay [s]	20.91	13.03	13.04	19.31	12.72	12.73	21.19	12.30	21.15	11.26
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.14	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.53	2.75	2.87	1.30	2.29	2.43	2.77	0.78	1.03	0.41
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.43	0.52	0.52	0.16	0.47	0.48	0.69	0.58	0.47	0.43
d, Delay for Lane Group [s/veh]	25.44	15.78	15.91	20.61	15.01	15.17	23.97	13.08	22.18	11.67
Lane Group LOS	C	B	B	C	B	B	C	B	C	B
Critical Lane Group	No	No	Yes	No	No	No	Yes	No	No	No
50th-Percentile Queue Length [veh/ln]	1.76	3.51	3.38	0.55	3.09	2.97	3.78	3.58	1.93	2.50
50th-Percentile Queue Length [ft/ln]	44.11	87.69	84.58	13.73	77.28	74.28	94.60	89.52	48.20	62.44
95th-Percentile Queue Length [veh/ln]	3.18	6.31	6.09	0.99	5.56	5.35	6.81	6.45	3.47	4.50
95th-Percentile Queue Length [ft/ln]	79.40	157.84	152.25	24.71	139.10	133.70	170.29	161.13	86.76	112.39

Movement, Approach, & Intersection Results

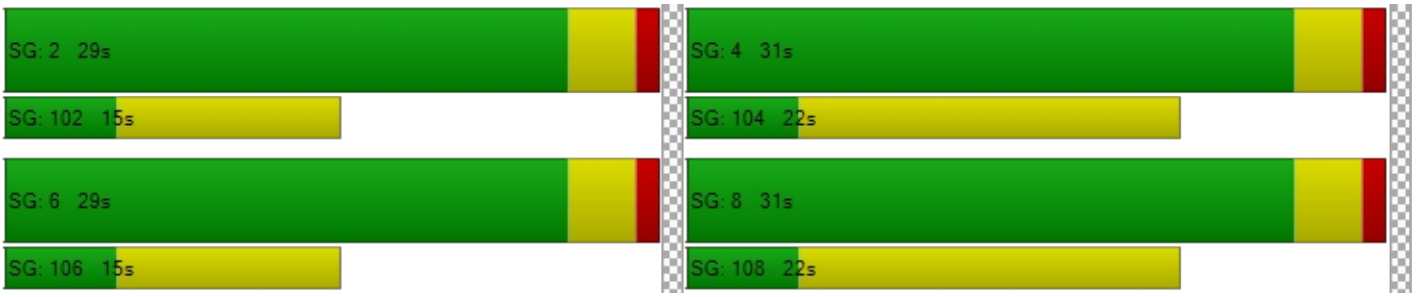
d_M, Delay for Movement [s/veh]	25.44	15.83	15.91	20.61	15.07	15.17	23.97	13.08	13.08	22.18	11.67	11.67
Movement LOS	C	B	B	C	B	B	C	B	B	C	B	B
d_A, Approach Delay [s/veh]	17.26			15.44			17.51			15.16		
Approach LOS	B			B			B			B		
d_I, Intersection Delay [s/veh]	16.49											
Intersection LOS	B											
Intersection V/C	0.505											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.957	3.113	2.461	2.239
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	833	833	900	900
d_b, Bicycle Delay [s]	10.21	10.21	9.08	9.08
l_b,int, Bicycle LOS Score for Intersection	2.251	2.131	2.682	2.325
Bicycle LOS	B	B	B	B

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



301 Tennessee Street Industrial

Vistro File: C:\...\Vistro - Updated.vistro
Report File: C:\...\Existing AM.pdf

Scenario 1 Existing AM
10/17/2022

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Kansas/Park	16	8	14	5	12	21	4	172	13	18	214	5	502

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
2	Kansas/State	80	19	241	3	5	10	10	180	263	122	216	10	1159

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
3	Tennessee/Park	89	648	59	38	526	115	60	82	50	20	81	7	1775

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4	Tennessee/State	108	544	77	35	443	79	192	130	149	116	164	69	2106

301 Tennessee Street Industrial

Vistro File: C:\...\Vistro - Updated.vistro
Report File: C:\...\Existing PM.pdf

Scenario 2 Existing PM
10/17/2022

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Kansas/Park	Two-way stop	HCM 7th Edition	NB Left	0.025	13.0	B
2	Kansas/State	Two-way stop	HCM 7th Edition	SB Left	0.029	17.1	C
3	Tennessee/Park	Signalized	HCM 7th Edition	WB Left	0.347	10.6	B
4	Tennessee/State	Signalized	HCM 7th Edition	WB Left	0.399	12.1	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Kansas/Park

Control Type:	Two-way stop	Delay (sec / veh):	13.0
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.025

Intersection Setup

Name	Kansas			Kansas			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			Park			Park		
Base Volume Input [veh/h]	9	9	2	2	4	9	7	219	5	2	120	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	9	9	2	2	4	9	7	219	5	2	120	4
Peak Hour Factor	0.7310	0.7310	0.7310	0.4410	0.4410	0.4410	0.7840	0.7840	0.7840	0.7880	0.7880	0.7880
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	3	1	1	2	5	2	70	2	1	38	1
Total Analysis Volume [veh/h]	12	12	3	5	9	20	9	279	6	3	152	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.02	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	12.98	12.74	10.16	12.70	12.63	9.33	7.54	0.00	0.00	7.82	0.00	0.00
Movement LOS	B	B	B	B	B	A	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.17	0.17	0.17	0.16	0.16	0.16	0.02	0.02	0.02	0.01	0.01	0.01
95th-Percentile Queue Length [ft/ln]	4.24	4.24	4.24	4.03	4.03	4.03	0.38	0.38	0.38	0.13	0.13	0.13
d_A, Approach Delay [s/veh]	12.56			10.70			0.23			0.15		
Approach LOS	B			B			A			A		
d_I, Intersection Delay [s/veh]	1.54											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 2: Kansas/State

Control Type:	Two-way stop	Delay (sec / veh):	17.1
Analysis Method:	HCM 7th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.029

Intersection Setup

Name	Kansas			Kansas			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			State			State		
Base Volume Input [veh/h]	32	12	87	6	2	10	4	198	32	45	118	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	12	87	6	2	10	4	198	32	45	118	5
Peak Hour Factor	0.5370	0.5370	0.5370	0.6540	0.6540	0.6540	0.8240	0.8240	0.8240	0.9490	0.9490	0.9490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	6	41	2	1	4	1	60	10	12	31	1
Total Analysis Volume [veh/h]	60	22	162	9	3	15	5	240	39	47	124	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.05	0.21	0.03	0.01	0.02	0.00	0.00	0.00	0.04	0.00	0.00
d_M, Delay for Movement [s/veh]	16.60	16.50	13.23	17.12	13.45	9.28	7.48	0.00	0.00	7.86	0.00	0.00
Movement LOS	C	C	B	C	B	A	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.84	1.84	1.84	0.17	0.17	0.17	0.01	0.01	0.01	0.08	0.08	0.08
95th-Percentile Queue Length [ft/ln]	46.03	46.03	46.03	4.13	4.13	4.13	0.21	0.21	0.21	2.03	2.03	2.03
d_A, Approach Delay [s/veh]	14.36			12.36			0.13			2.10		
Approach LOS	B			B			A			A		
d_I, Intersection Delay [s/veh]	5.80											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 3: Tennessee/Park

Control Type:	Signalized	Delay (sec / veh):	10.6
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.347

Intersection Setup

Name	Tennessee			Tennessee			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	50.00	100.00	100.00	50.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			Park			Park		
Base Volume Input [veh/h]	66	472	38	10	464	56	123	126	99	19	58	30
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	66	472	38	10	464	56	123	126	99	19	58	30
Peak Hour Factor	0.8150	0.8150	0.8150	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.8980	0.8980	0.8980
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	145	12	3	128	15	34	35	27	5	16	8
Total Analysis Volume [veh/h]	81	579	47	11	511	62	135	139	109	21	65	33
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing major street [	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing minor stree	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing minor street [	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	27	0	0	27	0	0	33	0	0	33	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	40	40	40	40	40	40	12	12	12	12
g / C, Green / Cycle	0.66	0.66	0.66	0.66	0.66	0.66	0.21	0.21	0.21	0.21
(v / s)_i Volume / Saturation Flow Rate	0.11	0.19	0.19	0.02	0.17	0.17	0.12	0.16	0.02	0.06
s, saturation flow rate [veh/h]	755	1683	1639	719	1683	1620	1167	1562	1018	1589
c, Capacity [veh/h]	501	1107	1078	476	1107	1066	308	326	196	332
d1, Uniform Delay [s]	8.25	4.33	4.33	7.76	4.25	4.25	23.89	22.32	26.23	20.01
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.69	0.65	0.67	0.09	0.58	0.61	0.98	3.65	0.24	0.49
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.16	0.29	0.29	0.02	0.26	0.26	0.44	0.76	0.11	0.30
d, Delay for Lane Group [s/veh]	8.94	4.98	5.00	7.84	4.83	4.86	24.87	25.97	26.47	20.50
Lane Group LOS	A	A	A	A	A	A	C	C	C	C
Critical Lane Group	No	No	Yes	No	No	No	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.58	1.29	1.27	0.07	1.00	0.98	1.78	3.37	0.28	1.12
50th-Percentile Queue Length [ft/ln]	14.55	32.33	31.69	1.71	25.10	24.51	44.55	84.34	7.06	28.08
95th-Percentile Queue Length [veh/ln]	1.05	2.33	2.28	0.12	1.81	1.76	3.21	6.07	0.51	2.02
95th-Percentile Queue Length [ft/ln]	26.19	58.19	57.05	3.07	45.19	44.12	80.19	151.81	12.70	50.54

Movement, Approach, & Intersection Results

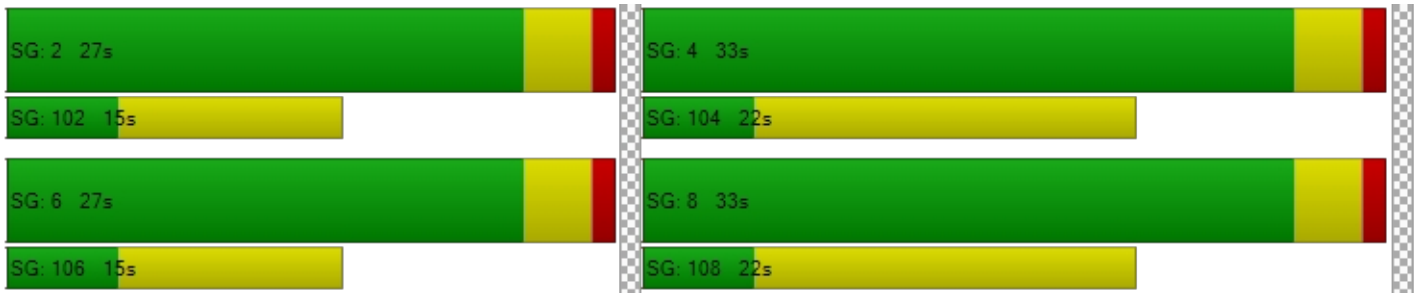
d_M, Delay for Movement [s/veh]	8.94	4.99	5.00	7.84	4.84	4.86	24.87	25.97	25.97	26.47	20.50	20.50
Movement LOS	A	A	A	A	A	A	C	C	C	C	C	C
d_A, Approach Delay [s/veh]	5.44			4.90			25.58			21.55		
Approach LOS	A			A			C			C		
d_I, Intersection Delay [s/veh]	10.64											
Intersection LOS	B											
Intersection V/C	0.347											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.573	2.819	2.228	2.039
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	767	767	967	967
d_b, Bicycle Delay [s]	11.41	11.41	8.01	8.01
l_b,int, Bicycle LOS Score for Intersection	2.143	2.041	2.192	1.756
Bicycle LOS	B	B	B	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Tennessee/State

Control Type:	Signalized	Delay (sec / veh):	12.1
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.399

Intersection Setup

Name	Tennessee			Tennessee			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	70.00	100.00	100.00	70.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			State			State		
Base Volume Input [veh/h]	38	372	35	53	473	37	74	112	125	35	83	56
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	372	35	53	473	37	74	112	125	35	83	56
Peak Hour Factor	0.8460	0.8460	0.8460	0.8250	0.8250	0.8250	0.7210	0.7210	0.7210	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	110	10	16	143	11	26	39	43	10	23	16
Total Analysis Volume [veh/h]	45	440	41	64	573	45	103	155	173	40	94	63
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing major street [	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing minor stree	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing minor street [	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	21	0	0	21	0	0	39	0	0	39	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	34	34	34	34	34	34	18	18	18	18
g / C, Green / Cycle	0.57	0.57	0.57	0.57	0.57	0.57	0.30	0.30	0.30	0.30
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.15	0.08	0.19	0.19	0.09	0.21	0.04	0.10
s, saturation flow rate [veh/h]	725	1683	1633	822	1683	1640	1106	1540	947	1572
c, Capacity [veh/h]	437	949	921	501	949	925	326	467	189	476
d1, Uniform Delay [s]	10.10	6.68	6.68	9.38	7.01	7.02	21.92	18.52	26.91	16.19
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.47	0.65	0.68	0.53	0.93	0.96	0.55	1.95	0.55	0.40
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.10	0.26	0.26	0.13	0.33	0.33	0.32	0.70	0.21	0.33
d, Delay for Lane Group [s/veh]	10.57	7.33	7.36	9.91	7.94	7.98	22.47	20.46	27.46	16.59
Lane Group LOS	B	A	A	A	A	A	C	C	C	B
Critical Lane Group	No	No	No	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.35	1.28	1.26	0.46	1.75	1.71	1.27	3.90	0.55	1.58
50th-Percentile Queue Length [ft/ln]	8.63	32.10	31.51	11.52	43.64	42.81	31.65	97.57	13.87	39.52
95th-Percentile Queue Length [veh/ln]	0.62	2.31	2.27	0.83	3.14	3.08	2.28	7.02	1.00	2.85
95th-Percentile Queue Length [ft/ln]	15.54	57.78	56.73	20.74	78.55	77.06	56.97	175.62	24.96	71.13

Movement, Approach, & Intersection Results

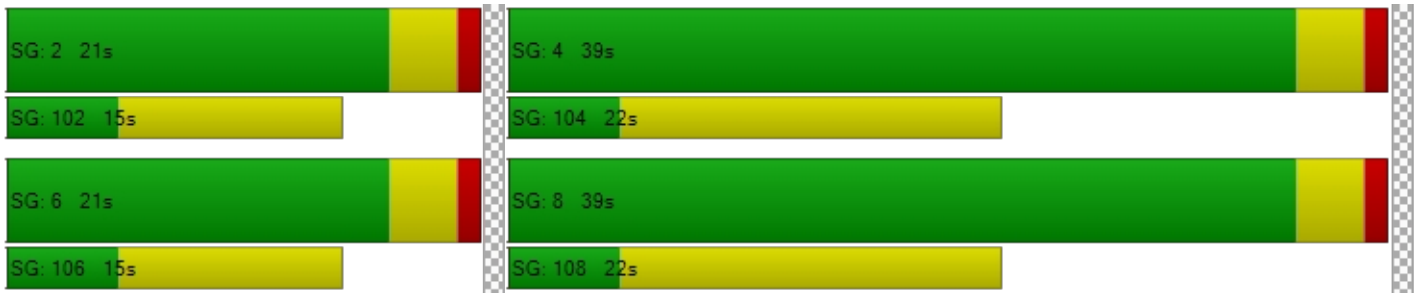
d_M, Delay for Movement [s/veh]	10.57	7.35	7.36	9.91	7.96	7.98	22.47	20.46	20.46	27.46	16.59	16.59
Movement LOS	B	A	A	A	A	A	C	C	C	C	B	B
d_A, Approach Delay [s/veh]	7.62			8.14			20.94			18.80		
Approach LOS	A			A			C			B		
d_I, Intersection Delay [s/veh]	12.14											
Intersection LOS	B											
Intersection V/C	0.399											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.679	2.762	2.185	2.160
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	567	567	1167	1167
d_b, Bicycle Delay [s]	15.41	15.41	5.21	5.21
l_b,int, Bicycle LOS Score for Intersection	1.994	2.122	2.271	1.885
Bicycle LOS	A	B	B	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



301 Tennessee Street Industrial

Vistro File: C:\...\Vistro - Updated.vistro
Report File: C:\...\Existing PM.pdf

Scenario 2 Existing PM
10/17/2022

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Kansas/Park	9	9	2	2	4	9	7	219	5	2	120	4	392

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
2	Kansas/State	32	12	87	6	2	10	4	198	32	45	118	5	551

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
3	Tennessee/Park	66	472	38	10	464	56	123	126	99	19	58	30	1561

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4	Tennessee/State	38	372	35	53	473	37	74	112	125	35	83	56	1493

301 Tennessee Street Industrial

Vistro File: F:\Vistro - Updated.vistro
Report File: C:\...\Existing Plus Project AM.pdf

Scenario 3 Existing Plus Project AM
2/20/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Kansas/Park	Two-way stop	HCM 7th Edition	NB Left	0.017	13.9	B
2	Kansas/State	Two-way stop	HCM 7th Edition	NB Left	0.813	328.2	F
3	Tennessee/Park	Signalized	HCM 7th Edition	EB Left	0.359	8.7	A
4	Tennessee/State	Signalized	HCM 7th Edition	NB Left	0.506	16.5	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Kansas/Park

Control Type:	Two-way stop	Delay (sec / veh):	13.9
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.017

Intersection Setup

Name	Kansas			Kansas			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			Park			Park		
Base Volume Input [veh/h]	16	8	14	5	12	21	4	172	13	18	214	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	-11	-2	0	0	3	0	0	0	22	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	5	6	14	5	15	21	4	172	35	18	214	5
Peak Hour Factor	0.6940	0.6940	0.6940	0.6610	0.6610	0.6610	0.9220	0.9220	0.9220	0.9310	0.9310	0.9310
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	2	5	2	6	8	1	47	9	5	57	1
Total Analysis Volume [veh/h]	7	9	20	8	23	32	4	187	38	19	230	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.02	0.02	0.02	0.05	0.04	0.00	0.00	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	13.89	13.02	9.69	13.69	13.54	10.20	7.71	0.00	0.00	7.70	0.00	0.00
Movement LOS	B	B	A	B	B	B	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.19	0.19	0.19	0.36	0.36	0.36	0.01	0.01	0.01	0.03	0.03	0.03
95th-Percentile Queue Length [ft/ln]	4.74	4.74	4.74	8.96	8.96	8.96	0.17	0.17	0.17	0.80	0.80	0.80
d_A, Approach Delay [s/veh]	11.34			11.86			0.13			0.58		
Approach LOS	B			B			A			A		
d_I, Intersection Delay [s/veh]	2.29											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 2: Kansas/State

Control Type:	Two-way stop	Delay (sec / veh):	328.2
Analysis Method:	HCM 7th Edition	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.813

Intersection Setup

Name	Kansas			Kansas			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			State			State		
Base Volume Input [veh/h]	80	19	241	3	5	10	10	180	263	122	216	10
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	80	19	241	3	5	10	10	180	263	122	216	10
Peak Hour Factor	0.6330	0.6330	0.6330	0.5630	0.5630	0.5630	0.6730	0.6730	0.6730	0.8660	0.8660	0.8660
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	8	95	1	2	4	4	67	98	35	62	3
Total Analysis Volume [veh/h]	126	30	381	5	9	18	15	267	391	141	249	12
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.81	0.16	0.64	0.13	0.06	0.02	0.01	0.00	0.00	0.15	0.00	0.00
d_M, Delay for Movement [s/veh]	328.22	324.28	311.01	103.76	36.39	16.01	7.78	0.00	0.00	9.05	0.00	0.00
Movement LOS	F	F	F	F	E	C	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	31.75	31.75	31.75	0.77	0.77	0.77	0.03	0.03	0.03	0.26	0.26	0.26
95th-Percentile Queue Length [ft/ln]	793.64	793.64	793.64	19.36	19.36	19.36	0.71	0.71	0.71	6.43	6.43	6.43
d_A, Approach Delay [s/veh]	315.79			35.45			0.17			3.17		
Approach LOS	F			E			A			A		
d_I, Intersection Delay [s/veh]	104.69											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 3: Tennessee/Park

Control Type:	Signalized	Delay (sec / veh):	8.7
Analysis Method:	HCM 7th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.359

Intersection Setup

Name	Tennessee			Tennessee			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	50.00	100.00	100.00	50.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			Park			Park		
Base Volume Input [veh/h]	89	648	59	38	526	115	60	82	50	20	81	7
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	-3	0	0	13	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	89	645	59	38	539	115	60	82	50	20	81	7
Peak Hour Factor	0.8420	0.8420	0.8420	0.7530	0.7530	0.7530	0.9030	0.9030	0.9030	0.6400	0.6400	0.6400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	192	18	13	179	38	17	23	14	8	32	3
Total Analysis Volume [veh/h]	106	766	70	50	716	153	66	91	55	31	127	11
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	65
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	38	0	0	38	0	0	27	0	0	27	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	65	65	65	65	65	65	65	65	65	65
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	46	46	46	46	46	46	11	11	11	11
g / C, Green / Cycle	0.71	0.71	0.71	0.71	0.71	0.71	0.16	0.16	0.16	0.16
(v / s)_i Volume / Saturation Flow Rate	0.18	0.25	0.25	0.08	0.27	0.27	0.06	0.09	0.03	0.08
s, saturation flow rate [veh/h]	573	1683	1634	591	1683	1582	1126	1578	1118	1660
c, Capacity [veh/h]	417	1200	1165	431	1200	1127	211	259	201	272
d1, Uniform Delay [s]	8.68	3.58	3.58	7.46	3.65	3.65	28.66	25.02	28.24	24.77
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.47	0.82	0.84	0.55	0.89	0.95	0.84	1.92	0.35	1.46
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.25	0.35	0.35	0.12	0.37	0.37	0.31	0.56	0.15	0.51
d, Delay for Lane Group [s/veh]	10.15	4.40	4.43	8.01	4.55	4.60	29.50	26.94	28.60	26.22
Lane Group LOS	B	A	A	A	A	A	C	C	C	C
Critical Lane Group	No	No	No	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.89	1.58	1.55	0.34	1.43	1.36	1.00	2.10	0.46	1.95
50th-Percentile Queue Length [ft/ln]	22.29	39.61	38.66	8.40	35.81	34.10	24.99	52.51	11.41	48.65
95th-Percentile Queue Length [veh/ln]	1.60	2.85	2.78	0.60	2.58	2.46	1.80	3.78	0.82	3.50
95th-Percentile Queue Length [ft/ln]	40.12	71.30	69.59	15.11	64.45	61.38	44.98	94.52	20.54	87.57

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	10.15	4.41	4.43	8.01	4.57	4.60	29.50	26.94	26.94	28.60	26.22	26.22
Movement LOS	B	A	A	A	A	A	C	C	C	C	C	C
d_A, Approach Delay [s/veh]	5.06			4.76			27.74			26.66		
Approach LOS	A			A			C			C		
d_I, Intersection Delay [s/veh]	8.71											
Intersection LOS	A											
Intersection V/C	0.359											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	24.12	24.12	24.12	24.12
l_p,int, Pedestrian LOS Score for Intersection	2.669	2.837	2.270	2.120
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1046	1046	708	708
d_b, Bicycle Delay [s]	7.39	7.39	13.57	13.57
l_b,int, Bicycle LOS Score for Intersection	2.337	2.318	1.909	1.838
Bicycle LOS	B	B	A	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Tennessee/State

Control Type:	Signalized	Delay (sec / veh):	16.5
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.506

Intersection Setup

Name	Tennessee			Tennessee			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	70.00	100.00	100.00	70.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			State			State		
Base Volume Input [veh/h]	108	544	77	35	443	79	192	130	149	116	164	69
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	1	2	0	-1	-1	0	0	0	0	0	0	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	109	546	77	34	442	79	192	130	149	116	164	71
Peak Hour Factor	0.8700	0.8700	0.8700	0.8040	0.8040	0.8040	0.6930	0.6930	0.6930	0.7530	0.7530	0.7530
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	31	157	22	11	137	25	69	47	54	39	54	24
Total Analysis Volume [veh/h]	125	628	89	42	550	98	277	188	215	154	218	94
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	29	0	0	29	0	0	31	0	0	31	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	25	25	25	25	25	25	27	27	27	27
g / C, Green / Cycle	0.42	0.42	0.42	0.42	0.42	0.42	0.45	0.45	0.45	0.45
(v / s)_i Volume / Saturation Flow Rate	0.18	0.22	0.22	0.06	0.20	0.20	0.29	0.26	0.17	0.20
s, saturation flow rate [veh/h]	705	1683	1611	661	1683	1596	961	1538	884	1598
c, Capacity [veh/h]	291	701	671	268	701	665	398	692	329	719
d1, Uniform Delay [s]	20.93	13.05	13.05	19.29	12.72	12.73	21.27	12.30	21.15	11.28
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.14	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.58	2.77	2.90	1.24	2.28	2.43	2.83	0.78	1.03	0.41
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.43	0.52	0.52	0.16	0.47	0.48	0.70	0.58	0.47	0.43
d, Delay for Lane Group [s/veh]	25.51	15.82	15.95	20.54	15.00	15.16	24.10	13.08	22.18	11.69
Lane Group LOS	C	B	B	C	B	B	C	B	C	B
Critical Lane Group	No	No	Yes	No	No	No	Yes	No	No	No
50th-Percentile Queue Length [veh/ln]	1.78	3.53	3.40	0.52	3.08	2.97	3.80	3.58	1.93	2.52
50th-Percentile Queue Length [ft/ln]	44.54	88.20	85.08	13.08	77.12	74.13	94.97	89.52	48.20	62.96
95th-Percentile Queue Length [veh/ln]	3.21	6.35	6.13	0.94	5.55	5.34	6.84	6.45	3.47	4.53
95th-Percentile Queue Length [ft/ln]	80.17	158.76	153.15	23.54	138.82	133.43	170.95	161.13	86.76	113.33

Movement, Approach, & Intersection Results

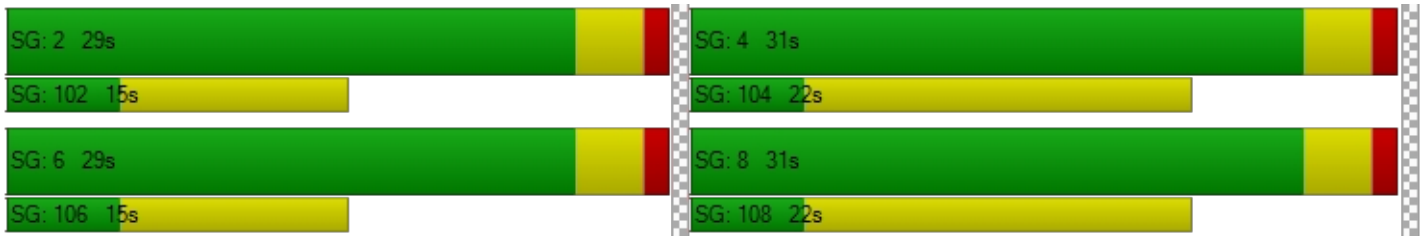
d_M, Delay for Movement [s/veh]	25.51	15.87	15.95	20.54	15.06	15.16	24.10	13.08	13.08	22.18	11.69	11.69
Movement LOS	C	B	B	C	B	B	C	B	B	C	B	B
d_A, Approach Delay [s/veh]	17.31			15.41			17.57			15.16		
Approach LOS	B			B			B			B		
d_I, Intersection Delay [s/veh]	16.51											
Intersection LOS	B											
Intersection V/C	0.506											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.957	3.114	2.463	2.236
Crosswalk LOS	C	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	833	833	900	900
d_b, Bicycle Delay [s]	10.21	10.21	9.08	9.08
l_b,int, Bicycle LOS Score for Intersection	2.254	2.129	2.682	2.329
Bicycle LOS	B	B	B	B

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



301 Tennessee Street Industrial

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Report File: C:\...\Existing Plus Project AM.pdf

Scenario 3 Existing Plus Project AM
2/20/2023

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Kansas/Park	5	6	14	5	15	21	4	172	35	18	214	5	514

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
2	Kansas/State	80	19	241	3	5	10	10	180	263	122	216	10	1159

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
3	Tennessee/Park	89	645	59	38	539	115	60	82	50	20	81	7	1785

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4	Tennessee/State	109	546	77	34	442	79	192	130	149	116	164	71	2109

301 Tennessee Street Industrial

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Scenario 4 Existing Plus Project PM
2/20/2023

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	Kansas/Park	Two-way stop	HCM 7th Edition	NB Left	0.059	13.1	B
2	Kansas/State	Two-way stop	HCM 7th Edition	SB Left	0.029	17.1	C
3	Tennessee/Park	Signalized	HCM 7th Edition	WB Left	0.348	10.7	B
4	Tennessee/State	Signalized	HCM 7th Edition	WB Left	0.400	12.3	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: Kansas/Park

Control Type:	Two-way stop	Delay (sec / veh):	13.1
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.059

Intersection Setup

Name	Kansas			Kansas			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			Park			Park		
Base Volume Input [veh/h]	9	9	2	2	4	9	7	219	5	2	120	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	12	1	0	0	-4	0	0	0	-20	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	21	10	2	2	0	9	7	219	0	2	120	4
Peak Hour Factor	0.7310	0.7310	0.7310	0.4410	0.4410	0.4410	0.7840	0.7840	0.7840	0.7880	0.7880	0.7880
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	3	1	1	0	5	2	70	0	1	38	1
Total Analysis Volume [veh/h]	29	14	3	5	0	20	9	279	0	3	152	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.03	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	13.08	13.02	10.46	12.57	12.44	9.20	7.54	0.00	0.00	7.81	0.00	0.00
Movement LOS	B	B	B	B	B	A	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.30	0.30	0.30	0.10	0.10	0.10	0.02	0.02	0.02	0.01	0.01	0.01
95th-Percentile Queue Length [ft/ln]	7.52	7.52	7.52	2.54	2.54	2.54	0.38	0.38	0.38	0.13	0.13	0.13
d_A, Approach Delay [s/veh]	12.89			9.87			0.24			0.15		
Approach LOS	B			A			A			A		
d_I, Intersection Delay [s/veh]	1.79											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 2: Kansas/State

Control Type:	Two-way stop	Delay (sec / veh):	17.1
Analysis Method:	HCM 7th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.029

Intersection Setup

Name	Kansas			Kansas			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Kansas			Kansas			State			State		
Base Volume Input [veh/h]	32	12	87	6	2	10	4	198	32	45	118	5
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	12	87	6	2	10	4	198	32	45	118	5
Peak Hour Factor	0.5370	0.5370	0.5370	0.6540	0.6540	0.6540	0.8240	0.8240	0.8240	0.9490	0.9490	0.9490
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	6	41	2	1	4	1	60	10	12	31	1
Total Analysis Volume [veh/h]	60	22	162	9	3	15	5	240	39	47	124	5
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Stop	Stop	Free	Free
Flared Lane	No	No		
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance	No	No		
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.05	0.21	0.03	0.01	0.02	0.00	0.00	0.00	0.04	0.00	0.00
d_M, Delay for Movement [s/veh]	16.60	16.50	13.23	17.12	13.45	9.28	7.48	0.00	0.00	7.86	0.00	0.00
Movement LOS	C	C	B	C	B	A	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	1.84	1.84	1.84	0.17	0.17	0.17	0.01	0.01	0.01	0.08	0.08	0.08
95th-Percentile Queue Length [ft/ln]	46.03	46.03	46.03	4.13	4.13	4.13	0.21	0.21	0.21	2.03	2.03	2.03
d_A, Approach Delay [s/veh]	14.36			12.36			0.13			2.10		
Approach LOS	B			B			A			A		
d_I, Intersection Delay [s/veh]	5.80											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 3: Tennessee/Park

Control Type:	Signalized	Delay (sec / veh):	10.7
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.348

Intersection Setup

Name	Tennessee			Tennessee			Park			Park		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	50.00	100.00	100.00	50.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			Park			Park		
Base Volume Input [veh/h]	66	472	38	10	464	56	123	126	99	19	58	30
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	-12	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	66	474	38	10	452	56	123	126	99	19	58	30
Peak Hour Factor	0.8150	0.8150	0.8150	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.8980	0.8980	0.8980
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	145	12	3	124	15	34	35	27	5	16	8
Total Analysis Volume [veh/h]	81	582	47	11	498	62	135	139	109	21	65	33
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	27	0	0	27	0	0	33	0	0	33	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	40	40	40	40	40	40	12	12	12	12
g / C, Green / Cycle	0.66	0.66	0.66	0.66	0.66	0.66	0.21	0.21	0.21	0.21
(v / s)_i Volume / Saturation Flow Rate	0.11	0.19	0.19	0.02	0.17	0.17	0.12	0.16	0.02	0.06
s, saturation flow rate [veh/h]	765	1683	1639	717	1683	1619	1167	1562	1018	1589
c, Capacity [veh/h]	507	1107	1078	475	1107	1065	308	326	196	332
d1, Uniform Delay [s]	8.16	4.33	4.34	7.77	4.23	4.23	23.89	22.32	26.23	20.01
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.67	0.66	0.67	0.09	0.56	0.59	0.98	3.65	0.24	0.49
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.16	0.29	0.29	0.02	0.26	0.26	0.44	0.76	0.11	0.30
d, Delay for Lane Group [s/veh]	8.83	4.99	5.01	7.86	4.79	4.82	24.87	25.97	26.47	20.50
Lane Group LOS	A	A	A	A	A	A	C	C	C	C
Critical Lane Group	No	No	Yes	No	No	No	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.58	1.30	1.28	0.07	0.98	0.95	1.78	3.37	0.28	1.12
50th-Percentile Queue Length [ft/ln]	14.41	32.52	31.88	1.71	24.41	23.83	44.55	84.34	7.06	28.08
95th-Percentile Queue Length [veh/ln]	1.04	2.34	2.30	0.12	1.76	1.72	3.21	6.07	0.51	2.02
95th-Percentile Queue Length [ft/ln]	25.94	58.54	57.39	3.08	43.94	42.90	80.19	151.81	12.70	50.54

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	8.83	5.00	5.01	7.86	4.80	4.82	24.87	25.97	25.97	26.47	20.50	20.50
Movement LOS	A	A	A	A	A	A	C	C	C	C	C	C
d_A, Approach Delay [s/veh]	5.44			4.87			25.58			21.55		
Approach LOS	A			A			C			C		
d_I, Intersection Delay [s/veh]	10.66											
Intersection LOS	B											
Intersection V/C	0.348											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.571	2.816	2.228	2.039
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	767	767	967	967
d_b, Bicycle Delay [s]	11.41	11.41	8.01	8.01
l_b,int, Bicycle LOS Score for Intersection	2.145	2.031	2.192	1.756
Bicycle LOS	B	B	B	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Tennessee/State

Control Type:	Signalized	Delay (sec / veh):	12.3
Analysis Method:	HCM 7th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.400

Intersection Setup

Name	Tennessee			Tennessee			State			State		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	70.00	100.00	100.00	70.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	40.00			40.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Tennessee			Tennessee			State			State		
Base Volume Input [veh/h]	38	372	35	53	473	37	74	112	125	35	83	56
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Proportion of CAVs [%]	0.00											
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	-1	-2	0	1	1	0	0	0	0	0	0	-2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	37	370	35	54	474	37	74	112	125	35	83	54
Peak Hour Factor	0.8460	0.8460	0.8460	0.8250	0.8250	0.8250	0.7210	0.7210	0.7210	0.8830	0.8830	0.8830
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	109	10	16	144	11	26	39	43	10	23	15
Total Analysis Volume [veh/h]	44	437	41	65	575	45	103	155	173	40	94	61
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing	0			0			0			0		
v_di, Inbound Pedestrian Volume crossing m	0			0			0			0		
v_co, Outbound Pedestrian Volume crossing	0			0			0			0		
v_ci, Inbound Pedestrian Volume crossing mi	0			0			0			0		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Located in CBD	Yes
Signal Coordination Group	-
Cycle Length [s]	60
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Semi-actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	0.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Green [s]	0	10	0	0	10	0	0	10	0	0	10	0
Maximum Green [s]	0	30	0	0	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	24	0	0	24	0	0	36	0	0	36	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	5	0	0	5	0	0	5	0	0	5	0
Pedestrian Clearance [s]	0	10	0	0	10	0	0	17	0	0	17	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
Minimum Recall		No			No			No			No	
Maximum Recall		No			No			No			No	
Pedestrian Recall		No			No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	L	C	C	L	C	L	C
C, Cycle Length [s]	60	60	60	60	60	60	60	60	60	60
L, Total Lost Time per Cycle [s]	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
g_i, Effective Green Time [s]	37	37	37	37	37	37	15	15	15	15
g / C, Green / Cycle	0.61	0.61	0.61	0.61	0.61	0.61	0.26	0.26	0.26	0.26
(v / s)_i Volume / Saturation Flow Rate	0.06	0.14	0.14	0.08	0.19	0.19	0.09	0.21	0.04	0.10
s, saturation flow rate [veh/h]	723	1683	1633	825	1683	1640	1108	1540	947	1574
c, Capacity [veh/h]	440	1023	993	507	1023	997	319	398	189	407
d1, Uniform Delay [s]	9.95	5.39	5.39	9.18	5.67	5.67	22.24	20.95	26.93	18.29
k, delay calibration	0.50	0.50	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.46	0.54	0.57	0.52	0.78	0.80	0.58	4.32	0.55	0.59
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.10	0.24	0.24	0.13	0.31	0.31	0.32	0.82	0.21	0.38
d, Delay for Lane Group [s/veh]	10.41	5.93	5.96	9.70	6.44	6.47	22.82	25.26	27.48	18.87
Lane Group LOS	B	A	A	A	A	A	C	C	C	B
Critical Lane Group	No	No	No	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.33	1.05	1.03	0.46	1.45	1.42	1.28	4.43	0.55	1.70
50th-Percentile Queue Length [ft/ln]	8.36	26.34	25.86	11.53	36.18	35.51	31.93	110.76	13.86	42.42
95th-Percentile Queue Length [veh/ln]	0.60	1.90	1.86	0.83	2.61	2.56	2.30	7.88	1.00	3.05
95th-Percentile Queue Length [ft/ln]	15.05	47.40	46.56	20.76	65.13	63.91	57.48	197.06	24.95	76.36

Movement, Approach, & Intersection Results

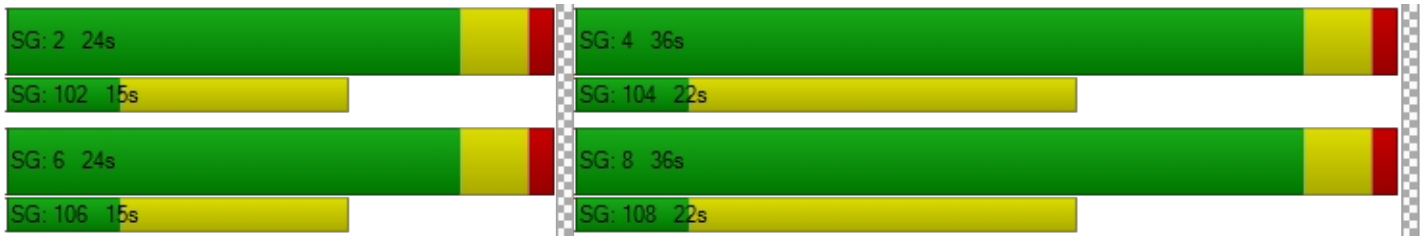
d_M, Delay for Movement [s/veh]	10.41	5.94	5.96	9.70	6.45	6.47	22.82	25.26	25.26	27.48	18.87	18.87
Movement LOS	B	A	A	A	A	A	C	C	C	C	B	B
d_A, Approach Delay [s/veh]	6.32			6.76			24.68			20.64		
Approach LOS	A			A			C			C		
d_I, Intersection Delay [s/veh]	12.33											
Intersection LOS	B											
Intersection V/C	0.400											

Other Modes

g_Walk,mi, Effective Walk Time [s]	9.0	9.0	9.0	9.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	21.68	21.68	21.68	21.68
l_p,int, Pedestrian LOS Score for Intersection	2.678	2.761	2.183	2.162
Crosswalk LOS	B	C	B	B
s_b, Saturation Flow Rate of the bicycle lane	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	667	1067	1067
d_b, Bicycle Delay [s]	13.33	13.33	6.53	6.53
l_b,int, Bicycle LOS Score for Intersection	1.990	2.125	2.271	1.881
Bicycle LOS	A	B	B	A

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



301 Tennessee Street Industrial

Vistro File: F:\Vistro - Updated.vistro
Report File: C:\...\Existing Plus Project PM.pdf

Scenario 4 Existing Plus Project PM
2/20/2023

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	Kansas/Park	21	10	2	2	0	9	7	219	0	2	120	4	396

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
2	Kansas/State	32	12	87	6	2	10	4	198	32	45	118	5	551

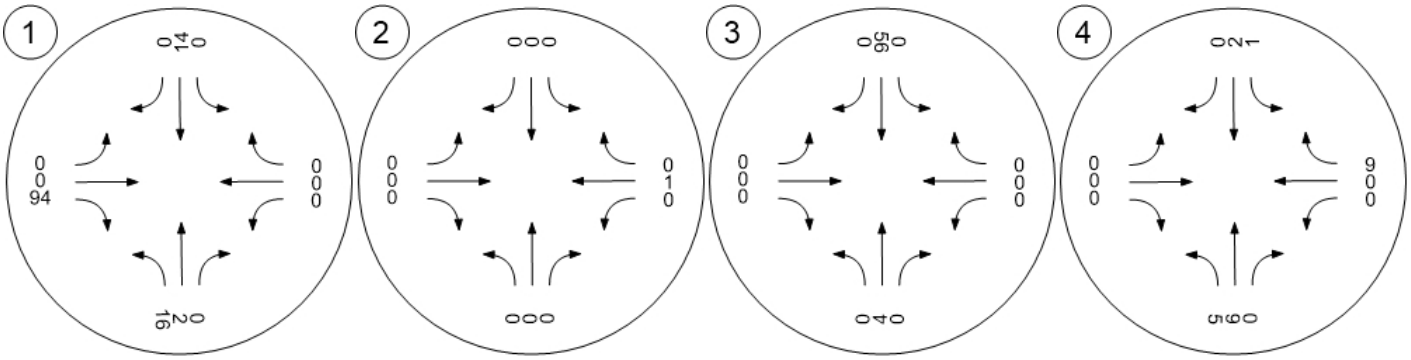
ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
3	Tennessee/Park	66	474	38	10	452	56	123	126	99	19	58	30	1551

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4	Tennessee/State	37	370	35	54	474	37	74	112	125	35	83	54	1490

Attachment D – Project Trip Assignment

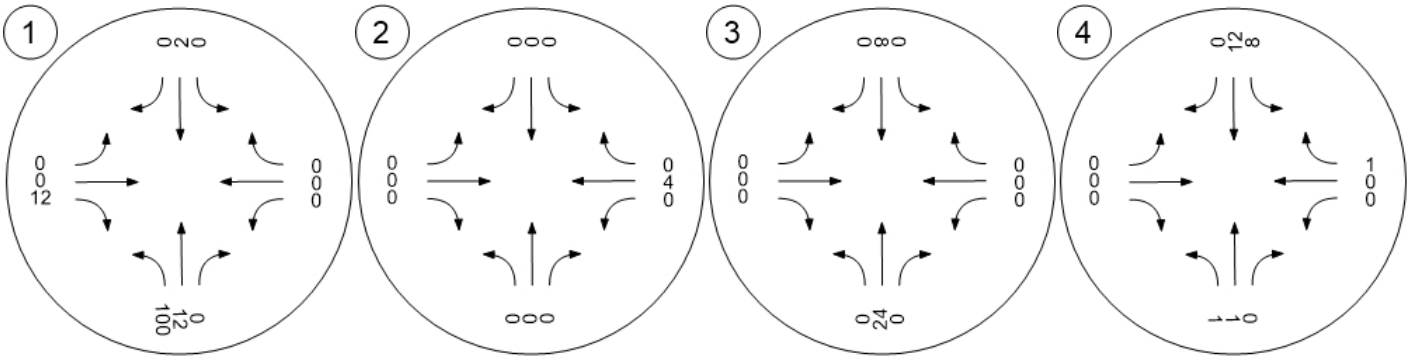
Traffic Volume - Net New Site Trips





Traffic Volume - Net New Site Trips





Environment | Planning | Development Solutions, Inc.

Date:	January 30, 2023
Prepared by:	Hashem Basrawi
To:	City of Redlands
Site:	301 Tennessee Street, City of Redlands
Subject:	**Response to City Comments**

EPD is in receipt of the City's comments on the traffic documents (i.e., scoping agreement, VMT screening analysis, and Measure U focused traffic analysis) dated December 5, 2022 for the 301 Tennessee Street industrial project. The traffic documents have been updated in response to the City's comments. A response to each comment is provided below.

A. VMT Screening Analysis

Response to Comment: Per CEQA, the baseline conditions to be used for the analysis are the conditions as of the date of the Notice of Preparation (NOP). The existing buildings are currently occupied and therefore credit can be taken for the existing land use. Therefore, the VMT screening analysis is based on the net increase between the prior use and the proposed use.

B. Scoping Agreement

Response to Comment 1: A site access analysis of driveways as well as a discussion that includes the project truck routing to/from the site was included in the updated FTA.

Response to Comment 2: A separate VMT screening analysis has been submitted for CEQA purposes.

C. Measure U Focused Traffic Analysis

Response to Comment 1: The statement on page 11 (i.e., It is to be noted that existing trips for the manufacturing warehouse were removed) clarifies that since the proposed industrial project is replacing the existing manufacturing building, credit for the existing manufacturing warehouse trips was accounted. Furthermore, trips of the existing manufacturing warehouse were deducted from the trips of the proposed industrial project to reflect the net number of trips. Please note that it has been confirmed that the building was in full operations during the time the traffic counts were collected.

Response to Comment 2: The 5-minute delay at the Kansas Street/State Street two-way stop control intersection is due to the large existing volume of vehicles on the northbound and eastbound approaches. There are 340 vehicles (including 241 vehicles turning right) on the northbound approach during the worst AM peak hour. There are 453 vehicles (including 263 vehicles turning right and 180 heading through) on the eastbound approach during the worst AM peak hour. Please note that the Kansas Street/State Street intersection would not be heavily utilized by project trips; as a result, the project would not cause a delay impact at the intersection.

Response to Comment 3: The document has been updated to reflect the correct formatting.

If you have any questions or would like to discuss our responses, please contact me at (909) 525-0528 or at hashem@epdsolutions.com.